OMNI 800
electronic data terminals

Maintenance Manual

Model 810 Printer

994386-0002, Rev. J
May 1984

Volume II

TEXAS INSTRUMENTS

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CHANGE NOTICES

Revision Letter	Date	ECN Number	ECN Level	Description
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Preface

The *Model 810 Printer Maintenance Manual* consists of two volumes.

Volume I provides detailed information for installing, operating, maintaining, and replacing assemblies and subassemblies of the Texas Instruments OMNI 800* Model 810 printer in Sections 1 through 8 and the Appendixes.

Volume II, this volume, provides drawings, lists of materials, schematics, and logic diagrams in Sections 9 and 10.

OTHER PUBLICATIONS

The following additional publications support the Model 810 printer.

- *Model 810 Printer Operator's Manual* (TI Part No. 994353-9701)
- *Model 810 Maintenance Manual — Volume I* (TI Part No. 994386-0001)

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Section 9

Assembly Drawings and Parts Lists

This section contains assembly drawings and parts lists. To aid in finding correct part numbers, consult the list below and the annotated expanded view of the Model 810 Printer Major Assemblies, Figure 9-1.

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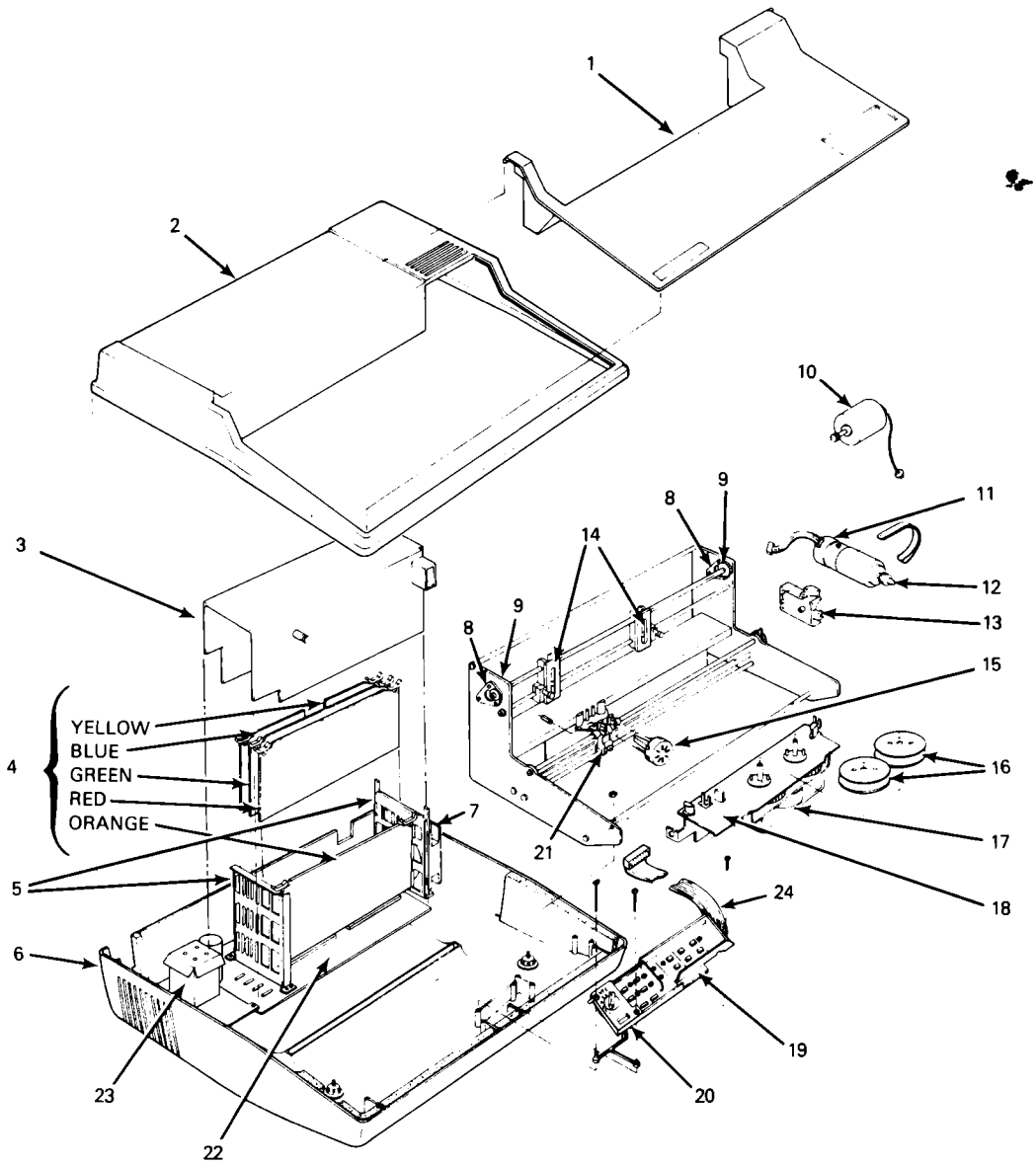


Figure 9-1. Model 810 Printer Major Assemblies

NO.	NAME	ASSEMBLY DRAWING	NO.	NAME	ASSEMBLY DRAWING
1	Access Door	994293	12	Motor Capstan	994238
2	Printer Cover	994293	13	Motor Cradle	994238
3	Electronics Cover	994293	14	Paper Tractors	994183
4	Printed Circuit Boards		15	Printhead Assembly	994258
	Interface Option (Yellow/Blue)	994305	16	Ribbon Spools	994293
	Processor (Green)	994244	17	Ribbon Drive Motor	994215
	Driver (Red)	994528	18	Ribbon Assembly, Top Plate	994215
		994322*	19	Control Panel	994555
	Power Supply (Orange)	994534			994251*
		994394*			994257**
5	Card Guides	994324	20	Control Panel Adapter	994545***
6	Printer Base	994324	21	Printhead Carriage	994183
7	Fan (Vendor Supplied)	996275	22	Motherboard	994531
8	Paper Advance Bearings	994183			994330*
9	Sideplate	994183	23	AC Power Module	994461
10	Paper Motor Drive	994183			994373*
11	Carriage Drive Motor	994546	24	Encoder Motor Cable	2210557
		994238*			

* Denotes alternate version, technicians should check numbers and refer to proper drawings.

** Denotes alternate version pair, technicians should check numbers and refer to proper drawings.

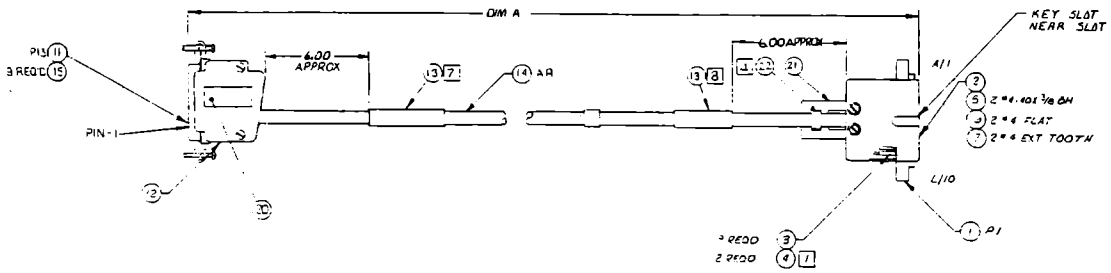
*** Used with 994330 Motherboard only. Not shown here.

WIRE NO.	DESCRIPTION	-0001 START STATION	-0001 FINISH STATION	-0001 SIGNATURE	-0002 START STATION	-0002 FINISH STATION	-0002 SIGNATURE
1	CABLE BLK	P1-A	P13-1	PROTECTIVE GROUND	P1-A	P13-1	PROTECTIVE GROUND
2	RED	P1-H	P13-2	TRANSMITTED DATA	P1-H	P13-2	TRANSMITTED DATA
3	GRN	P1-10	P13-3	RECIEVED DATA	P1-10	P13-3	RECIEVED DATA
4	WHT	P1-F	P13-4	REQUEST TO SEND	P1-C	P13-4	REQUEST TO SEND
5	BRN	P1-B	P13-5	CLEAR TO SEND	P1-B	P13-5	CLEAR TO SEND
6	BLU	P1-J	P13-6	DATA SET READY	P1-J	P13-6	DATA SET READY
7	ORG	P1-7	P13-7	SIGNAL GROUND	P1-7	P13-7	SIGNAL GROUND
8	YEL	P1-K	P13-8	DATA CARRIER DETECT	P1-K	P13-8	DATA CARRIER DETECT
9	VIO	P1-G	P13-20	DATA TERMINAL READY	P1-G	P13-20	DATA TERMINAL READY
10	CABLE GRAY	SPARE			SPARE		
11	#22 AWG WHT	—	—	—	—	—	—

WIRE NO.	DESCRIPTION	-0003 & -0004 START STATION	-0003 & -0004 FINISH STATION	-0003 & -0004 SIGNATURE	ITEM NO.
1	RED	P1-10	P13-3	RCVDE - XMTDE	14
2	BLK	[5]	[5]	SGRD	4
3	WHT	P1-K	P13-8	DCDE - RTSE	
4	BLK	[5]	[5]	SGRD	
5	BRN	P1-B	P13-5	CTSE - RCTSE	
6	BLK	[5]	[5]	SGRD	
7	BLU	P1-9	P13-6	DSRE - DTRE	
8	BLK	[5]	[5]	SGRD	
9	YEL	P1-G	P13-20	DTRE - DSRE	
10	BLK	[5]	[5]	SGRD	
11	BRN	P1-H	P13-2	XMTDE - RCVDE	
12	BLK	[5]	[5]	SGRD	14
13	#22 AWG WHT	P13-18	P13-21	JUMPER	26

NOTES:
1. INSTALL RETAINING SPRING, ITEM 6, IN POSITIONS 1 & 3 (FRONT ENTRY OF CONNECTOR, ITEM 1)
2. PLACE TWO SCREWS (ITEM 19) AND MOUNTING HARDWARE FOR P13 IN PLASTIC BAG (ITEM 18). THEN ATTACH BAG TO CABLE ASSEMBLY.
3. ~~APPLY PLATE TO ITEM 20 TO P13 (LIFEMAT) ONLY WHEN REQUIRED BY WORK ORDER.~~
4. MAKE TIE ON FARSIDE.
5. CONNECT ALL SGRD WIRES TO P1-7 AND P13-7 BUS BARS WITH 17.26 AWG INSULATE WITH ITEM 29.
6. ITEM 0101 IN -0001, 0002, -0003 & 0004 CONSIST OF BULK CABLE ASSEMBLY MATERIALS
7. MARK "P13" PER 2265070, LINE 4 TEXT
8. MARK "P1" PER 2265070, LINE 4 TEXT

REV	DESCRIPTION	DATE	APPD
AA	CN 480038 (D) Mod Drawn	4/9/85	
	1) REDRAW WITH CHANGE REVISE LM WITH CHANGES.		



PART NUMBER	DESCRIPTION	DIM A
959372-5004	CABLE ASSY, EIA INTERFACE BULK MAT'L	360 ± 5.00
959372-5003	CABLE ASSY, EIA INTERFACE "	360 ± 5.00
959372-5002	CABLE ASSY, EIA INTERFACE "	17.00 ± 5.00
959372-5001	CABLE ASSY, EIA INTERFACE "	17.00 ± 5.00
959372-0004	CABLE ASSY EIA INTERFACE - 733 ASR/KSR	60.00 ± 5.00
959372-0003	CABLE ASSY EIA INTERFACE - 733 ASR/KSR	360 ± 5.00
959372-0002	CABLE ASSY EIA INTERFACE-1200 BAUD	17.00 ± 5.00
959372-0001	CABLE ASSY EIA INTERFACE-300 BAUD	17.00 ± 5.00

7506			
8100			
8101			
4776	D	360973	
8764	D	997058	
7243			

TEXAS INSTRUMENTS
CABLE ASSY, EIA INTERFACE
TERMINAL ASSY
700 ASR
SIZE D 959372

LM

List of Materials

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PART NUMBER	REV	DESCRIPTION
0959372-0001	AA	CABLE ASSY,EIA 300 BAUD I/F

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0232118-0075	HOUSING CONN.PC 10 DUAL POS PHENOLIC	EA
			000779-582963-2	
0001A			P1	
			000779-582963-2	
0002	00001.000	0960914-0001	HOOD,I/O CONNECTOR 10 PIN	EA
			- - -000	
0004	00002.000	0235411-0050	SPRING RETAINING 42973-3	EA
			000779-42973-3	
0011	00001.000	0539409-0005	CONNECTOR,PLUG 25 PINS	EA
			AMP -205208-1	
0011A			P13	
			AMP -205208-1	
0012	00001.000	2210305-0003	HOOD STRN RLF 45/180DEG,BULK PK 25 POS	EA
			SEE TI- DRAWING	
0017	REF	0948424-9901	OMNI OPERATION PROC AND TEST FLOW	EA
0020	00001.000	0962571-0005	PLATE, ID, EDP CABLE	EA
0021	00001.000	0981301-0001	BRACKET,CABLE	EA
			1682-1301-037	
0025	REF	2265070-0001	SPEC, PRE-PRINTED CABLE MARKER	EA
0101	00001.000	0959372-5001	CABLE ASSY,EIA INTERFACE	EA
			1629-9372-000	

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PART NUMBER	REV	DESCRIPTION
0959372-0002	AA	CABLE ASSY,EIA INTERFACE-1200 BAUD

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0232118-0075	HOUSING CONN.PC 10 DUAL POS PHENOLIC	EA
			000779-582963-2	
0001A			P1	
			000779-582963-2	
0002	00001.000	0960914-0001	HOOD,I/O CONNECTOR 10 PIN	EA
			- - -000	
0004	00002.000	0235411-0050	SPRING RETAINING 42973-3	EA
			000779-42973-3	
0011	00001.000	0539409-0005	CONNECTOR,PLUG 25 PINS	EA
			AMP -205208-1	
0011A			P13	
			AMP -205208-1	
0012	00001.000	2210305-0003	HOOD STRN RLF 45/180DEG,BULK PK 25 POS	EA
			SEE TI- DRAWING	
0017	REF	0948424-9901	OMNI OPERATION PROC AND TEST FLOW	EA
0020	00001.000	0962571-0005	PLATE, ID, EDP CABLE	EA
0021	00001.000	0981301-0001	BRACKET,CABLE	EA
			1682-1301-037	
0025	REF	2265070-0001	SPEC, PRE-PRINTED CABLE MARKER	EA
0101	00001.000	0959372-5002	BULK CABLE ASSEMBLY MATERIAL FOR -0002	EA
			1629-1565-000	

List of Materials

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PART NUMBER	REV	DESCRIPTION
0959372-0003	AA	CABLE ASSY,EIA INTFC 733 ASR/KSR CONT

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0232118-0075	HOUSING CONN.PC 10 DUAL POS PHENOLIC 000779-582963-2	EA
0001A			P1 000779-582963-2	
0002	00001.000	0960914-0001	HOOD,I/O CONNECTOR 10 PIN - - -000	EA
0004	00002.000	0235411-0050	SPRING RETAINING 42973-3 000779-42973-3	EA
0011	00001.000	0539409-0005	CONNECTOR,PLUG 25 PINS AMP -205208-1	EA
0011A			P13 AMP -205208-1	
0012	00001.000	2210305-0003	HOOD STRN RLF 45/180DEG,BULK PK 25 POS SEE TI- DRAWING	EA
0017	REF	0948424-9901	OMNI OPERATION PROC AND TEST FLOW	EA
0020	00001.000	0962571-0005	PLATE, ID, EDP CABLE	EA
0021	00001.000	0981301-0001	BRACKET,CABLE 1682-1301-037	EA
0025	REF	2265070-0001	SPEC, PRE-PRINTED CABLE MARKER	EA
0101	00001.000	0959372-5003	BULK CABLE ASSEMBLY MATERIAL FOR -0003 1629-9373-000	EA

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PART NUMBER	REV	DESCRIPTION
0959372-0004	AA	CABLE ASSY,EIA INTFC 733 ASR/KSR 500 FT

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0232118-0075	HOUSING CONN.PC 10 DUAL POS PHENOLIC 000779-582963-2	EA
0001A			P1 000779-582963-2	
0002	00001.000	0960914-0001	HOOD,I/O CONNECTOR 10 PIN - - -000	EA
0004	00002.000	0235411-0050	SPRING RETAINING 42973-3 000779-42973-3	EA
0011	00001.000	0539409-0005	CONNECTOR,PLUG 25 PINS AMP -205208-1	EA
0011A			P13 AMP -205208-1	
0012	00001.000	2210305-0003	HOOD STRN RLF 45/180DEG,BULK PK 25 POS SEE TI- DRAWING	EA
0017	REF	0948424-9901	OMNI OPERATION PROC AND TEST FLOW	EA
0020	00001.000	0962571-0005	PLATE, ID, EDP CABLE	EA
0021	00001.000	0981301-0001	BRACKET,CABLE 1682-1301-037	EA
0024	00500.000	0800563-0106	CABLE,22 AWG PVC 6 PAIRS UNSHIELD	FT
0025	REF	2265070-0001	SPEC, PRE-PRINTED CABLE MARKER	EA
0101	00001.000	0959372-5004	BULK CABLE ASSY MATERIAL FOR -0004 1209- -000	EA

List of Materials

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PART NUMBER	REV	DESCRIPTION
0959372-5001	AA	CABLE ASSY,EIA INTERFACE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0003	00009.000	0972082-0011	CONT,CONN,PCB-CRIMP TYPE,STRIP,22-18WRNG 000779-583361-3	EA
0005	00002.000	0972988-0015	SCREW 4-40 X .375 PAN HEAD CRES	EA
0006	00002.000	0416622-0011	WASHER #4 FLAT QPL - AN960C4L	EA
0007	00002.000	0411101-0057	LOCKWASHER # 4 EXTERNAL TOOTH CRES QPL - MS35335-57	EA
0013	00002.000	2210317-0001	LABEL,BLANK,CABLE MARKER 085480-SLPF-19319-4	EA
0014	00006.500	0972444-0001	CABLE,10 COND 22AWG UL LISTED	FT
0015	00009.000	0539430-0003	CONTACT,PIN 24-20AWG .068 INSUL DIA AMP -205202-2 ST	EA
0018	00001.000	0532997-0014	BAG,POLYETHYLENE,HEAT SEALED,4 W X 6 D -SEE TI DWG	EA
0019	00002.000	0972988-0019	SCREW 4-40 X .750 PAN HEAD CRES	EA
0022	00001.000	0972632-0002	STRAP,TIEDOWN,5 3/4LG BUNDLE DIA0-1 1/4 006383-5ST1-5S	EA

01/28/84

PART NUMBER	REV	DESCRIPTION
0959372-5002	AA	BULK CABLE ASSEMBLY MATERIAL FOR -0002

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0003	00009.000	0972082-0011	CONT,CONN,PCB-CRIMP TYPE,STRIP,22-18WRNG 000779-583361-3	EA
0005	00002.000	0972988-0015	SCREW 4-40 X .375 PAN HEAD CRES	EA
0006	00002.000	0416622-0011	WASHER #4 FLAT QPL - AN960C4L	EA
0007	00002.000	0411101-0057	LOCKWASHER # 4 EXTERNAL TOOTH CRES QPL - MS35335-57	EA
0013	00002.000	2210317-0001	LABEL,BLANK,CABLE MARKER 085480-SLPF-19319-4	EA
0014	00006.500	0972444-0001	CABLE,10 COND 22AWG UL LISTED	FT
0015	00009.000	0539430-0003	CONTACT,PIN 24-20AWG .068 INSUL DIA AMP -205202-2 ST	EA
0018	00001.000	0532997-0014	BAG,POLYETHYLENE,HEAT SEALED,4 W X 6 D -SEE TI DWG	EA
0019	00002.000	0972988-0019	SCREW 4-40 X .750 PAN HEAD CRES	EA
0022	00001.000	0972632-0002	STRAP,TIEDOWN,5 3/4LG BUNDLE DIA0-1 1/4 006383-5ST1-5S	EA

List of Materials

01/28/84

PART NUMBER REV DESCRIPTION.....
0959372-5003 AA BULK CABLE ASSEMBLY MATERIAL FOR -0003

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0003	00007.000	0972082-0011	CONT,CONN,PCB-CRIMP TYPE,STRIP,22-18WRNG 000779-583361-3	EA
0005	00002.000	0972988-0015	SCREW 4-40 X .375 PAN HEAD CRES	EA
0006	00002.000	0416622-0011	WASHER #4 FLAT QPL - AN960C4L	EA
0007	00002.000	0411101-0057	LOCKWASHER # 4 EXTERNAL TOOTH CRES QPL - MS35335-57	EA
0013	00002.000	2210317-0001	LABEL,BLANK,CABLE MARKER 085480-SLPF-19319-4	EA
0014	00030.000	0800563-0106	CABLE,22 AWG PVC 6 PAIRS UNSHIELD	FT
0015	00009.000	0539430-0003	CONTACT,PIN 24-20AWG .068 INSUL DIA AMP -205202-2 ST	EA
0018	00001.000	0532997-0014	BAG,POLYETHYLENE,HEAT SEALED,4 W X 6 D -SEE TI DWG	EA
0019	00002.000	0972988-0019	SCREW 4-40 X .750 PAN HEAD CRES	EA
0022	00001.000	0972632-0002	STRAP,TIEDOWN,5 3/4LG BUNDLE DIAO-1 1/4 006383-5ST1-5S	EA
0025	00000.500	0972146-0006	TUBING,HEAT SHRINKABLE .250 ID BLACK	FT
0026	00000.500	2210012-3999	WIRE,WHT,UL 1429, 19X34, 22AWG 6145-3200-000	FT
9997	00005.384	0239999-5000	COST, SHRINKAGE CABLE BULK MATERIAL	EA

01/28/84

PART NUMBER REV DESCRIPTION.....
0959372-5004 AA BULK CABLE ASSY MATERIAL FOR -0004

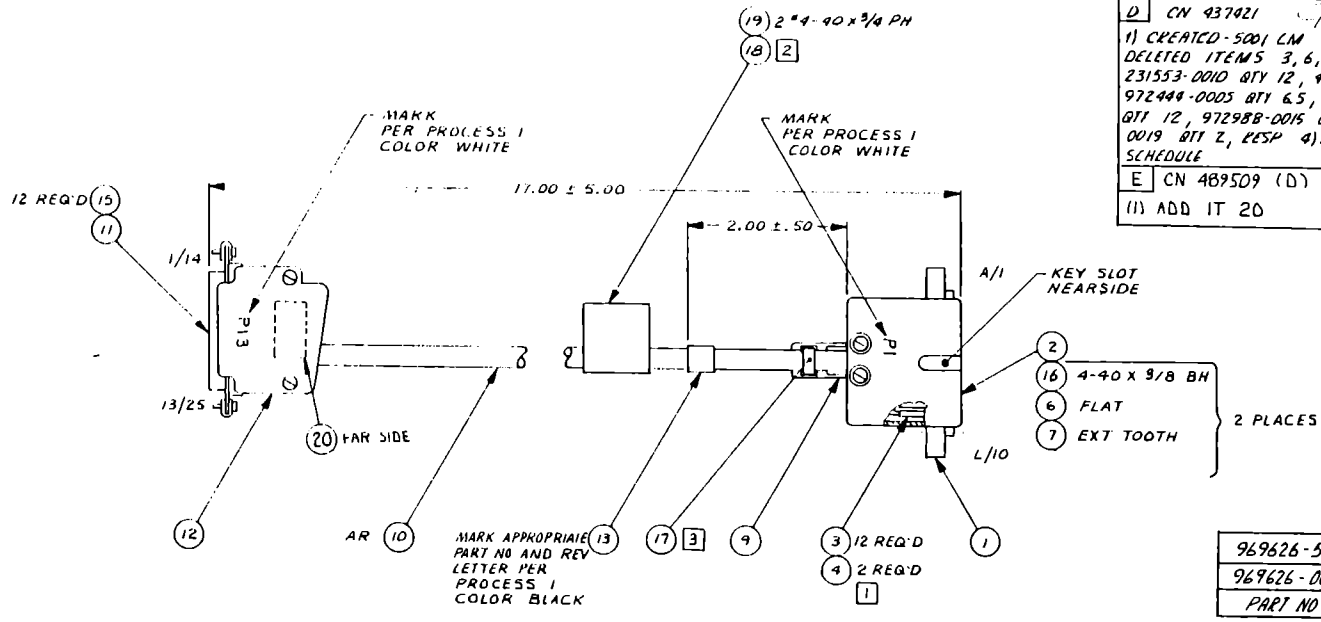
ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0003	00007.000	0972082-0011	CONT,CONN,PCB-CRIMP TYPE,STRIP,22-18WRNG 000779-583361-3	EA
0005	00002.000	0972988-0015	SCREW 4-40 X .375 PAN HEAD CRES	EA
0006	00002.000	0416622-0011	WASHER #4 FLAT QPL - AN960C4L	EA
0007	00002.000	0411101-0057	LOCKWASHER # 4 EXTERNAL TOOTH CRES QPL - MS35335-57	EA
0013	00002.000	2210317-0001	LABEL,BLANK,CABLE MARKER 085480-SLPF-19319-4	EA
0014	00500.000	0800563-0106	CABLE,22 AWG PVC 6 PAIRS UNSHIELD	FT
0015	00009.000	0539430-0003	CONTACT,PIN 24-20AWG .068 INSUL DIA AMP -205202-2 ST	EA
0018	00001.000	0532997-0012	BAG,POLYETHYLENE,HEAT SEALED, 3 X 3	EA
0019	00002.000	0972988-0019	SCREW 4-40 X .750 PAN HEAD CRES	EA
0022	00001.000	0972632-0002	STRAP,TIEDOWN,5 3/4LG BUNDLE DIAO-1 1/4 006383-5ST1-5S	EA
0025	00000.500	0972146-0006	TUBING,HEAT SHRINKABLE .250 ID BLACK	FT
0026	00000.500	2210012-3999	WIRE,WHT,UL 1429, 19X34, 22AWG 6145-3200-000	FT

WIRE NO	DESCRIPTION	START STATION	FINISH STATION	ITEM NO	SIGNAL DESCRIPTION
1	#22 AWG 12 COND	P1-H	P13-3	10	EIA DATA OUT
2		10	-3		EIA IMATA IN
3		F	-4		EIA RTS
4		B	-5		EIA CTS
5		J	-22		EIA RI
6		6	-20		EIA DTR
7		9	-6		EIA DSR
8		K	-8		EIA DCD
9		7	-7		EIA GND
10		A	-1		GND
11		-5	-11		EIA SA
12	#22 AWG 12 COND	P1-4	P13-12	10	EIA SB

NOTE

1. INSTALL RETAINING SPRING, ITEM 4, IN POSITIONS 1 & 3 (FRONT ENTRY OF CONNECTOR, ITEM 1)
2. INSTALL TWO CONNECTOR MOUNTING SCREWS (ITEM 19) IN BAG (ITEM 18) AND SECURE BAG AROUND CABLE APPROX. AREA SHOWN
3. MAKE TIE ON FARSIDE
4. ITEM 0101 171-0001 LM CONSISTS OF BULK CABLE ASSY MATERIALS ITEMS 3, 6, 7, 10, 13, 15, 16, 17, 19 ARE SHOWN FOR REF ONLY (REFER TO -5001 LM)

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	A	391591(E) M. Tatarchuk 8-26-74 DELETED: ITEM 5 WAS P/N 235463-0002 CHANGED: 1) TITLE WAS CABLE ASSY EIA WITH AUTO ANSWER -742 2) ITEM 9 WAS P/N 981301-0001 FORMAL RELEASE	8/20/74	
	B	CN429628	11/21/77	
		1) ADD ITEM 17, 18 & 19 (2) DELE ITEM 8 QTY 2 P/N 411115-0044 (3) ITEM 9 P/N WAS 230209-9000(4) ITEM 16 P/N WAS 418293-0018		
	C	CN 441604	11/7/78	
		(1) ITEM 10 WAS P/N 411634-2600 DESC. SLEEVE, PVC .263 DIA. .020 WALL (2) DELETED: ITEM 14, WAS AN 538397-3999 DESC. WIRE HOOKUP 8-22 AWG 19 STR WHT.		
	D	CN 437021	6-19-79	
		1) CREATED -5001 LM 2) -0001 ADDED ITEM 0101 3)-0001 DELETED ITEMS 3, 6, 7, 10, 13, 15, 16, 17, 19 P/NS 231553-0010 QTY 12, 416622-0011 QTY 2, 411101-0037 QTY 2, 972444-0005 QTY 6.5, 418201-0060 QTY 1, 539430-0003 QTY 12, 972988-0015 QTY 2, 0418212-0010 QTY 1, 972988-0019 QTY 2, DESP 4) ADDED NOTE 4 5) ADDED DASH SCHEDULE		
	E	CN 489509 (D)	09/6/3	
		(1) ADD IT 20		



969626-5001	CABLE ASSY EIA-742
969626-0001	CABLE ASSY EIA-742
PART NO	DESCRIPTION

PROCESSES:

1. HOT STAMP F-100, HEIGHT .12

PARTS LIST

QTY REQD :2	QTY REQD :1	ITEM NO	CODE IDENT	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION

UNLESS OTHERWISE SPECIFIED
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIR
- DIMENSIONAL LIMITS APPLY BEFORE FINISH PROCESSING
- IDENTIFYING NUMBERS SHOWN IN PARENTHESES FOR REFERENCE ONLY
- INTERPRET DRAWING IN ACCORDANCE WITH MIL STD 100

HOLE TOLERANCE

.013 THRU .125	± .004 .001	126 THRU 500	± .005 .001	.251 THRU .500	± .006 .001
501 THRU 750	± .008 .001	751 THRU 1.000	± .010 .001	1.001 THRU 2.000	± .012 .001

97-1000	A734
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES ANGLES ± 1°, 3 PLACE DECIMALS ± .010, 2 PLACE DECIMALS ± .02

MATERIAL:

DWN	M. Tatarchuk 7-25-74
CHK	E.O. Ulrich 8-2-74
ENGR	[illegible] 7-5-74
QA	
APVD	[illegible] 8-5-74
CONTR NO	R.C. Smith 8/28/74
DESIGN ACTIVITY RELEASE	E.O. Ulrich 8/28/74

TEXAS INSTRUMENTS INCORPORATED
Equipment Group Dallas, Texas

CABLE ASSY, EIA-742

SIZE	CODE IDENT NO	DRAWING NO
C	96214	969626

SCALE 1/1 SHEET

969626 C 02

34

LM

List of Materials

01/28/84

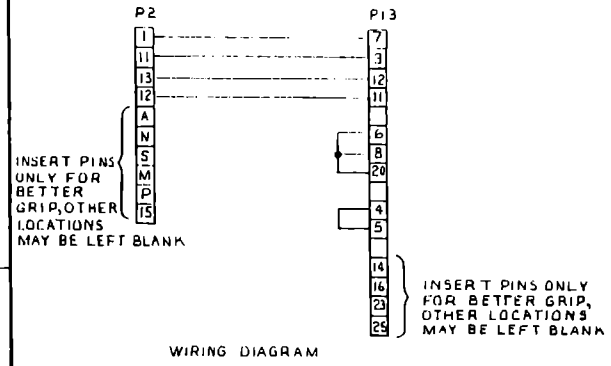
PART NUMBER	REV	DESCRIPTION
0969626-0001	E	CABLE ASSY EIA-742

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0232118-0075	HOUSING CONN.PC 10 DUAL POS PHENOLIC 000779-582963-2	EA
0001A			P1 000779-582963-2	
0002	00001.000	0960914-0001	HOOD,I/O CONNECTOR 10 PIN - - -000	EA
0004	00002.000	0235411-0050	SPRING RETAINING 42973-3 000779-42973-3	EA
0009	00001.000	0981301-0001	BRACKET,CABLE 1682-1301-037	EA
0011	00001.000	0539409-0005	CONNECTOR,PLUG 25 PINS AMP -205208-1	EA
0011A			P13 AMP -205208-1	
0012	00001.000	2210305-0003	HOOD STRN RLF 45/180DEG,BULK PK 25 POS SEE TI- DRAWING	EA
0018	00001.000	0532997-0012	BAG,POLYETHYLENE,HEAT SEALED, 3 X 3	EA
0020	00001.000	0962571-0005	PLATE, ID, EDP CABLE	EA
0101	00001.000	0969626-5001	CABLE ASSY,EIA-742 1629-9626-000	EA

01/28/84

PART NUMBER	REV	DESCRIPTION
0969626-5001	E	CABLE ASSY,EIA-742

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0003	00012.000	0231553-0010	CONTACT LEAF 42717-3 000779-42717-3	EA
0006	00002.000	0416622-0011	WASHER #4 FLAT QPL - AN960C4L	EA
0007	00002.000	0411101-0057	LOCKWASHER # 4 EXTERNAL TOOTH CRES QPL - MS35335-57	EA
0010	00006.500	0972444-0005	CABLE,12COND 22AWG UL LISTED 019007-6914UL	FT
0013	00001.000	0418201-0060	STRAP,MARKER,ADJUSTABLE,PLASTIC QPL-MS-3368-1-9B	EA
0015	00012.000	0539430-0003	CONTACT,PIN 24-20AWG .068 INSUL DIA AMP -205202-2 ST	EA
0016	00002.000	0972988-0015	SCREW 4-40 X .375 PAN HEAD CRES	EA
0017	00001.000	0418212-0010	STRAP,TIEDOWN,ADJUSTABLE,PLASTIC QPL - MS3367-1-9	EA
0019	00002.000	0972988-0019	SCREW 4-40 X .750 PAN HEAD CRES	EA



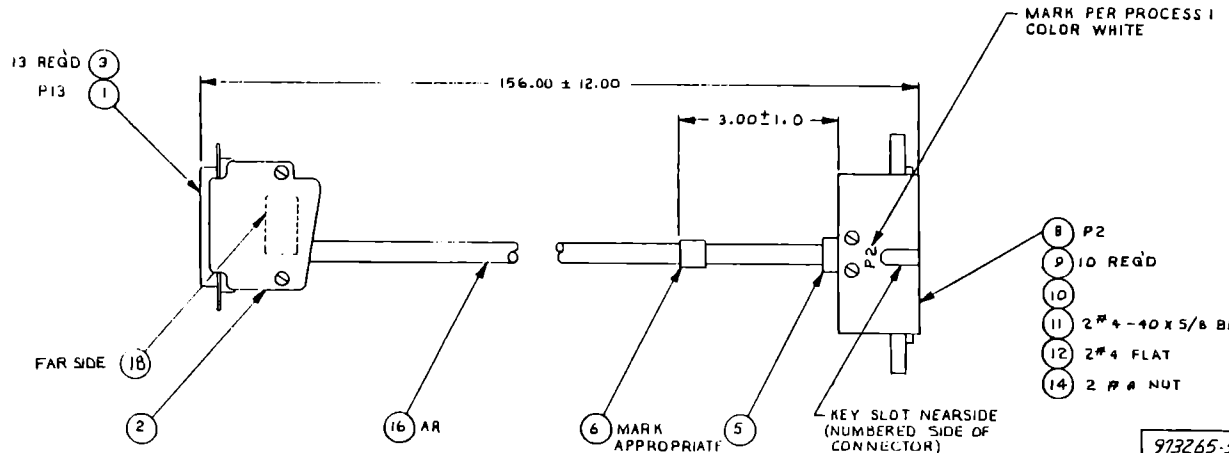
WIRING DIAGRAM

NOTES:

1. TO USE THIS CABLE WITH 742 TERMINAL HAVING INTERNAL 1200 BAUD MODEM AND USING BELL TYPE CBS DATA ACCESS ARRANGEMENT (DAA), LIFT RECEIVER
2. TO USE WITH 742 HAVING EXTERNAL BELL TYPE 202C DATASET, LIFT RECEIVER FROM HOOK, PUSH "TALK" BUTTON, WAIT 20 SECONDS FOR "WARBLE" SOUND THEN PUSH "DATA" BUTTON
3. PLACE TWO SCREWS (ITEM 13) IN BAG (ITEM 15) AND ATTACH TO CABLE. SCREWS ARE USED WHEN MOUNTING CONNECTOR (P2) TO MATING CONNECTOR.
4. ITEM 0101 IN -0001 LM CONSISTS OF BULK CABLE MATERIALS ITEMS 3,5,9,11,12,13,14,16 ARE SHOWN FOR REF ONLY (REFER TO -5001 LM)

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED
	A	3866321(B) [illegible] 3/7/75 (1) WIRING DIAGRAM P2: PIN 13 WAS 12 & 12 WAS 13	3/7/75	[illegible]
	B	CN 437910 [illegible] 1) CREATED -5001 LM 2) -0001 ADDED ITEM 0101 3) -0001 DELETED ITEMS 3,4,5,6,9,11,12,13,14,16 P/NS 539930-0004 538314-3999 911027-0804 915780-0093 235463-0006 418293-0049 231553-0010 418293-0001 911115-0044 915780-0044 RESP. 4) ADDED NOTE 4 5) ADDED DASH SCHEDULE	6-19-75	D. Stamm
	C	CN 472405 (D) L. WILKINSON (1) DELETE IT 9, P/N WAS 972082-11, DN -0001 LM	2/15/76	[illegible]
	D	CN 489510 (D) [illegible] (1) ADD IT 18 TO DASH -1 ONLY	10/14/76	[illegible]



973265-5001	CABLE ASSY AUX EIA I/F - 742
973265-0001	CABLE ASSY AUX EIA I/F - 742
PART NO	DESCRIPTION

PROCESSES:

1 HOT STAMP F-100, HEIGHT .12

PARTS LIST

QTY REQD .2	QTY REQD .1	ITEM NO	CODE IDENT	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION

UNLESS OTHERWISE SPECIFIED
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIR
- DIMENSIONAL LIMITS APPLY BEFORE FINISH PROCESSING
- IDENTIFYING NUMBERS SHOWN IN PARENTHESES FOR REFERENCE ONLY
- INTERPRET DRAWING IN ACCORDANCE WITH MIL STD 100

HOLE TOLERANCE

.013 THRU .125	+.004 -.001	126 THRU 250	+.005 -.001	251 THRU 500	+.006 -.001
501 THRU 750	+.008 -.001	751 THRU 1.000	+.010 -.001	1.001 THRU 2.000	+.012 -.001

971000	8734
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES ANGLES ± 1°, 3 PLACE DECIMALS ± .010, 2 PLACE DECIMALS ± .02

MATERIAL:

DWN	Andy Wilson	DATE 8-26-74
CHK	[illegible]	9/4/74
ENGR	[illegible]	10/14/74
QA		
APVD	[illegible]	10/14/74
CONTR NO	[illegible]	10/14/74
DESIGN ACTIVITY RELEASE	[illegible]	10/14/74

TEXAS INSTRUMENTS INCORPORATED
Equipment Group Dallas, Texas

CABLE ASSEMBLY, AUXILIARY EIA INTERFACE-742

SIZE	CODE IDENT NO	DRAWING NO
C	96214	973265

SCALE NONE SHEET

973265 C

LM

List of Materials

01/28/84

PART NUMBER	REV	DESCRIPTION
0973265-0001	D	CABLE ASSY,AUX EIA I/F - 742

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0539409-0006	CONNECTOR,RCPT 25 PINS AMP -205207-1	EA
0001A			P13 AMP -205207-1	
0002	00001.000	2210305-0003	HOOD STRN RLF 45/180DEG,BULK PK 25 POS SEE TI- DRAWING	EA
0004	00060.000	2210012-3999	WIRE,WHT,UL 1429, 19X34, 22AWG 6145-3200-000	FT
0008	00001.000	0539815-0001	CONNECTOR 15 DUAL POS PHENOLIC AMP -1-582147-5	EA
0008A			P2 AMP -1-582147-5	
0010	00001.000	0960914-0002	HOOD,I/O CONNECTOR-15 PIN	EA
0015	00001.000	0532997-0012	BAG,POLYETHYLENE,HEAT SEALED, 3 X 3	EA
0017	REF	0970635-9901	TEST PROGRAM,DITMCO-AUX EIA INTFC CABLE	EA
0018	00001.000	0962571-0005	PLATE, ID, EDP CABLE	EA
0101	00001.000	0973265-5001	CABLE ASSY,AUX EIA INTERFACE-742 1209-5265-000	EA

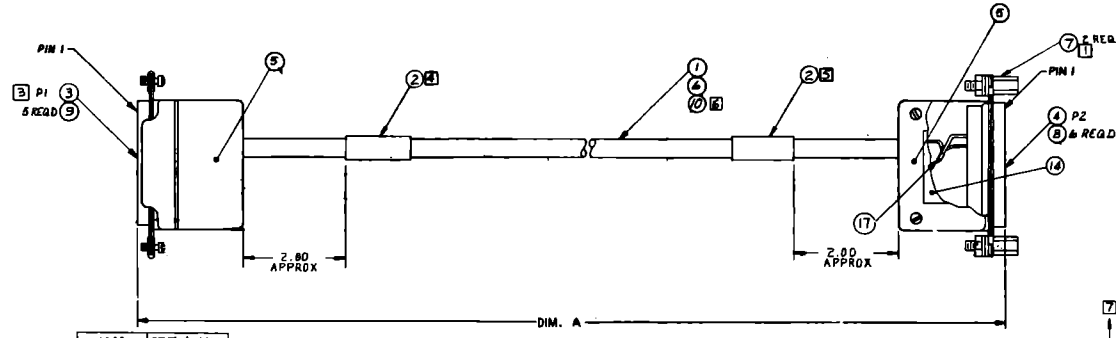
01/28/84

PART NUMBER	REV	DESCRIPTION
0973265-5001	D	CABLE ASSY,AUX EIA INTERFACE-742

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0003	00001.300	0539430-0004	CONTACT,SOCKET 24-20AWG .068 INSUL DIA AMP -205201-3 ST	EA
0004	00060.000	2210012-3999	WIRE,WHT,UL 1429, 19X34, 22AWG 6145-3200-000	FT
0005	00000.100	0972436-0013	INSUL SLVG, .263DIA X .020 WALL THK PVC 03890H-T-105C-2	FT
0009	00010.000	0972082-0011	CONT,CONN,PCB-CRIMP TYPE,STRIP,22-18WRNG 000779-583361-3	EA
0011	00002.000	0972988-0018	SCREW 4-40 X .625 PAN HEAD CRES	EA
0012	00002.000	0416622-0011	WASHER #4 FLAT QPL - AN960C4L	EA
0013	00002.000	0972988-0019	SCREW 4-40 X .750 PAN HEAD CRES	EA
0014	00002.000	0411115-0044	NUT,4-40 HEXAGON CRES STEEL MS -35649-244	EA
0016	00014.000	0972436-0011	INSULATION SLEEVING,PVC 8 X.133 003890-HT-105C-8	FT
0056	00001.000	0418201-0060	STRAP,MARKER,ADJUSTABLE,PLASTIC QPL-MS-3368-1-98	EA

ITEM NO	DESCRIPTION	TOTAL LENGTH	WIRE COLOR CODE	COMPONENT CONNECTION FOR FIRST STATION	COMPONENT CONNECTION FOR FINAL STATION	REMARKS	PART OR IDENTIFYING NO
1	BK	AR		P1-5	P2-6	CTRE	1
2	WHT	↑		P1-20	P2-20	DSRE	↑
3	BK			P1-7	P2-7	SG	
4	WHT			P1-3	P2-3	XMTDE	
5	SHIELD			P-1	P2-1	PROTECTIVE GND	
6	NO22 WHT	AR		P2-6	P2-8	DCDE	6

NOTES:
1. REPLACE WIRE SUPPLIED WITH ITEM 5 ON P2 WITH ITEM 7
2. CRIMP ITEM 6 TO ITEM 8 AND INSERT IN P2-6 AND P2-8. JOIN PIGTAILS WITH ITEM 1 USING ITEM 17.
3. MOUNTING HARDWARE FOR P1 COMES IN PLASTIC BAG ATTACH PLASTIC BAG TO CABLE ASSEMBLY NEAR P1
4. MARK PER 2265070 LINE 4 TEXT "CPU END (LENGTH)"
5. MARK PER 2265070 LINE 4 TEXT "PRINTER END (LENGTH)"
6. BEFORE LUGGING USE ITEM 10 TO INSULATE SHIELD OF CABLE (ITEM 1) AT BOTH ENDS
7. ITEM 101 IN -0010, -0020, -0030, -0040, -0050, -0060, -0070, -0080, -0090, -0100, -0200, -0300, -0400, -0500, -0600, -0700, -0800, -0900, & -1000 LMS CONSIST OF BULK CABLE ASS'Y MATERIAL



DASH NO	DIM A
-1000	1000FT ± 60IN
-0900	900FT ± 60IN
-0800	800FT ± 60IN
-0700	700FT ± 60IN
-0600	600FT ± 60IN
-0500	500FT ± 60IN
-0400	400FT ± 60IN
-0300	300FT ± 24IN
-0200	200FT ± 24IN
-0100	100FT ± 12IN
-0090	90FT ± 10IN
-0080	80FT ± 9IN
-0070	70FT ± 8IN
-0060	60FT ± 7IN
-0050	50FT ± 6IN
-0040	40FT ± 6IN
-0030	30FT ± 6IN
-0020	20FT ± 6IN
-0010	10FT ± 6IN

975056 – XXXX
BASIC NO
DIM A IN FT

REV STATUS OF SHEETS	REV	M
	SHEET	1

PROCESSES:
~~1. MARK PER F 100, METHOD III, CLASS 2.~~
~~2. COLOR BLACK, SATIN.~~
~~3. SOLDER PER F 457, METHOD E.~~

REVISIONS			
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	A	CN [illegible] (1) REVISED [illegible] ITEMS 11 & 12 (2) ADDED ITEM 13 (3) ADDED ITEMS 11 1/2 & 12 1/2 (4) ADDED -2000 LMS	11/1/75	[illegible]
	B	CN [illegible] (1) CREATED ITEM LIST FOR -0010, -0020, -0030, -0040, -0050, -0060, -0070, -0080 & -0090	11/31/75	[illegible]
	C	CN [illegible] (1) REVISED ITEM 1 W/PC -0001	12/1/75	[illegible]
	D	CN 41953 (1) REVISED QUAN ALL LMS QTY OF ITEM 2 WAS -1 (2) ADDED ITEM 16 TO ALL W/M 3. ITEM 10 WAS 417177-18 IN ALL LMS (3) SEE NEW CABLE MARKER	10-1-76	[illegible]
	E	CN [illegible] (1) INITIAL ALL DATA W/S DELETED ITEM 13 & ADDED ITEM 12	2-6-78	[illegible]
	F	CN 44837G (D) (1) REVISED PER EXTENSIVE ENGR CHANGES	1-30-80	[illegible]
	G	CN 44832G (C) (1) CREATED -5010-5020-5030-5040-5999 LMS (2) ADDED ITEM 101 (3) -0010-0020 ADDED, -0100 & -1000 LMS (3) ADDED FLAG NOTE 7 (4) ADDED P/N BLOCK	1-30-80	[illegible]
	H	CN 45805 (C) (1) REVISED PER EXTENSIVE ENGR CHANGES	1-30-80	[illegible]
	J	CN 45270 7 (C) (1) DELETED W/M ITEMS FROM FIELD OF DRAWING IN ZB4 AND ZB6-7 (2) ADDED APPROX TO ZB4 AND ZB6-7 BELOW 2.80 (3) DELETED ITEM 16 FROM 5010, 5020, 5040, 5050, 5060, 5070, 5080, 5090, 5100, 5200, AND 5999 LMS (4) IN ALL LMS QTY WAS .085 FT (5) NOTE 6 ITEM 10 WAS ITEM 16	5-23-80	[illegible]

— REV'S CONT ON SHEET 2 —

975056	-5999	BULK CABLE ASSY MATL FOR -1000
	-5900	-0900
	-5800	-0800
	-5700	-0700
	-5600	-0600
	-5500	-0500
	-5400	-0400
	-5300	-0300
	-5200	-0200
	-5100	-0100
	-5090	-0090
	-5080	-0080
	-5070	-0070
	-5060	-0060
	-5050	-0050
	-5040	-0040
	-5030	-0030
	-5020	-0020
	-5010	BULK CABLE ASSY MATL FOR -0010
7	-1000	CABLE ASSY, EXTN, EIA LINE PRINTER, 1000FT
	-0900	900FT
	-0800	800FT
	-0700	700FT
	-0600	600FT
	-0500	500FT
	-0400	400FT
	-0300	300FT
	-0200	200FT
	-0100	100FT
	-0090	90FT
	-0080	80FT
	-0070	70FT
	-0060	60FT
	-0050	50FT
	-0040	40FT
	-0030	30FT
	-0020	20FT
7	975056-0010	CABLE ASSY, EXTN, EIA LINE PRINTER, 10FT
PART NUMBER		DESCRIPTION

QTY REQD	ITEM NO	CODE IDENT	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION

PARTS LIST

UNLESS OTHERWISE SPECIFIED
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIR
- DIMENSIONAL LIMITS APPLY BEFORE FINISH PROCESSING
- IDENTIFYING NUMBERS SHOWN IN PARENTHESES FOR REFERENCE ONLY
- INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100

HOLE TOLERANCE

.XX ± .005	.XXX ± .005	.XXXX ± .0005	
.XX ± .010	.XXX ± .010	.XXXX ± .0010	
.XX ± .020	.XXX ± .020	.XXXX ± .0020	

NEXT ASSY | USED ON
APPLICATION

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES ANGLES ±1°
  2 PLACE DECIMALS ±.010
  3 PLACE DECIMALS ±.005
- MATERIAL:

DRAWN [illegible] DATE 11-25-74
CHK'D
QA
CONTR NO
DESIGN ACTIVITY RELEASE

TEXAS INSTRUMENTS INCORPORATED
Equipment Group
Dallas, Texas

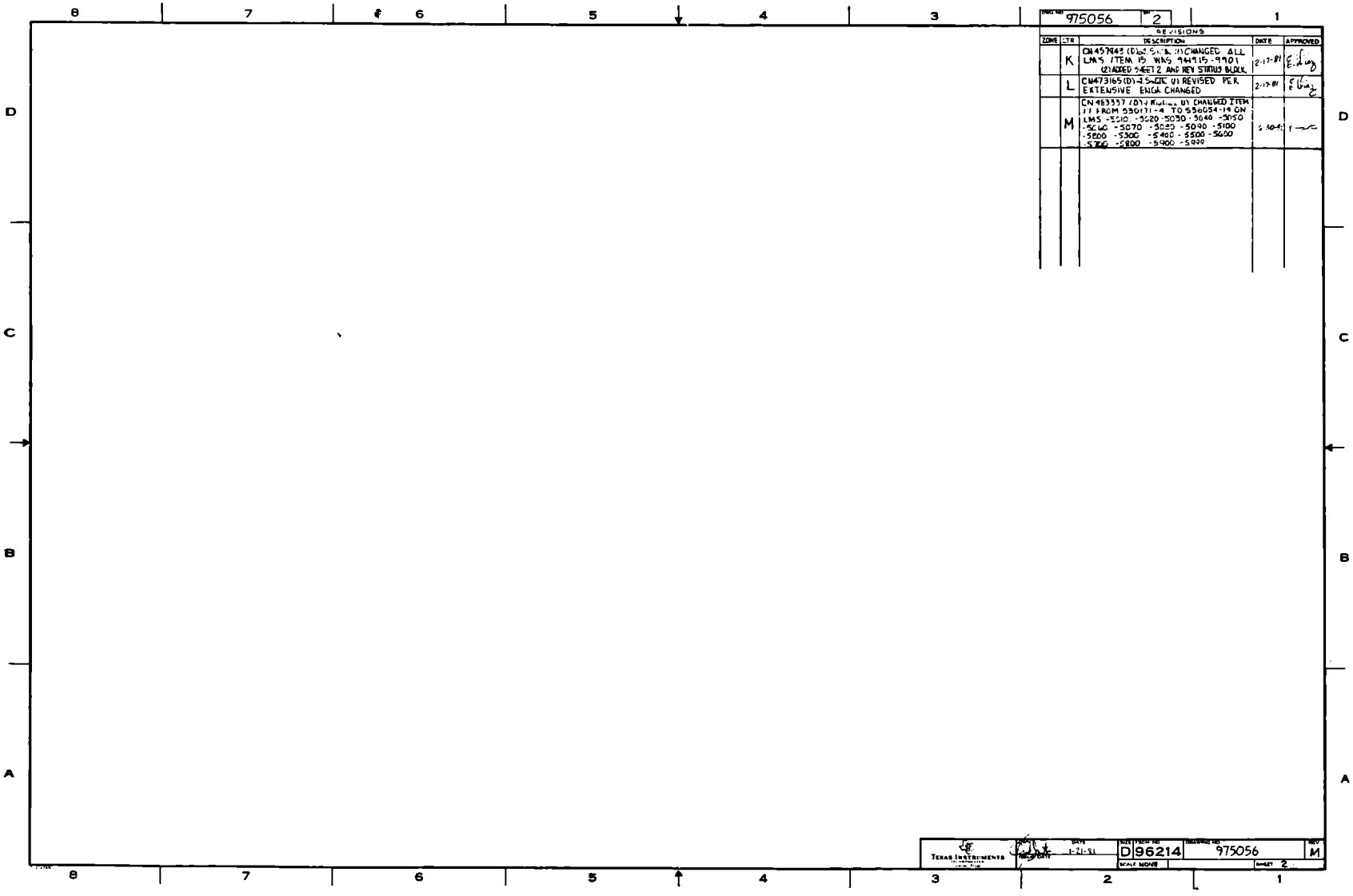
CABLE ASSY, EXTENSION, EIA LINE PRINTER

SIZE D | CODE IDENT NO 96214 | DRAWING NO 975056
SCALE NONE | SHEET 1 of 2

975056 D

34 LM

TI-79141 R


975056
2
REVISIONS
ZONE | LTR | DESCRIPTION | DATE | APPROVED
K | CN457465 (D) 2.5-CIL (1) CHANGED ALL LMS ITEM IS WAS 949915-9901 (2) ADDED SHEET 2 AND REV STATUS BLOCK | 2-17-81
L | CN473165(D)-2.5-CIL (1) REVISED PER EXTENSIVE ENGR CHANGED | 2-17-81
M | CN 483537 (D) 2.5-CIL (1) CHANGED ITEM 1 IS FROM 5501114 TO 5536054-14 ON LMS -5010 -5020 -5030 -5040 -5050 -5060 -5070 -5080 -5090 -5100 -5200 -5300 -5400 -5500 -5600 -5700 -5800 -5900 -5909 | 4-30-81
TEXAS INSTRUMENTS
DATE 1-21-81
SIZE D
TRACE NO 96214
DRAWING NO 975056
REV M
SCALE NONE
SHEET 2
8 7 6 5 4 3 2 1
D C B A

List of Materials

01/28/84

PART NUMBER	REV	DESCRIPTION
0975056-0010	M	CABLE ASSY,EXTN,EIA LINE PRINTER,10FT

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0003	00001.000	0539409-0005	CONNECTOR,PLUG 25 PINS	EA
			AMP -205208-1	
0003A			P1	
			AMP -205208-1	
0004	00001.000	0539409-0006	CONNECTOR,RCPT 25 PINS	EA
			AMP -205207-1	
0004A			P2	
			AMP -205207-1	
0005	00002.000	2210305-0003	HOOD STRN RLF 45/180DEG,BULK PK 25 POS	EA
			SEE TI- DRAWING	
0007	00002.000	0406769-0001	SCREW,SPECIAL,CONNECTOR LOCKING	EA
			CIE - D20418-2	
0014	00001.000	0962571-0005	PLATE, ID, EDP CABLE	EA
0015	REF	0948424-9901	OMNI OPERATION PROC AND TEST FLOW	EA
0101	00001.000	0975056-5010	BULK CABLE ASSEMBLY MATERIAL FOR -0010	EA
			1629-5050-000	
9999	00000.140	0239999-9999	COST, SHRINKAGE	EA

01/28/84

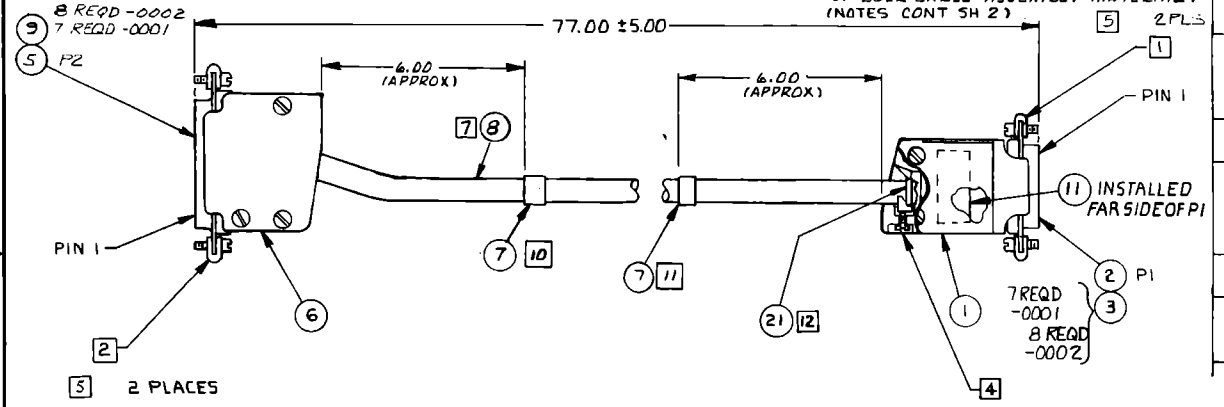
PART NUMBER	REV	DESCRIPTION
0975056-5010	M	BULK CABLE ASSEMBLY MATERIAL FOR -0010

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00010.000	0539883-0002	CABLE 4 COND 2SHIELDED & 2UNSHIELD INSUL	FT
0002	00002.000	2210317-0001	LABEL,BLANK,CABLE MARKER	EA
			085480-SLPF-19319-4	
0006	00000.500	2210012-3999	WIRE,WHT,UL 1429, 19X34, 22AWG	FT
			6145-3200-000	
0008	00006.000	0539430-0004	CONTACT,SOCKET 24-20AWG .068 INSUL DIA	EA
			AMP -205201-3 ST	
0009	00005.000	0539430-0003	CONTACT,PIN 24-20AWG .068 INSUL DIA	EA
			AMP -205202-2 ST	
0010	00000.600	0972146-0004	TUBING,.020THK X 1/8 HT SHRNKABLE .125ID	FT
			003890-P0135125C1/16"	
0017	00001.000	0538054-0014	SPLICE,CNDCT, HEAT SHRINKABLE, INSULATED	EA
			SEE TI- DRAWING	

WIRE NO.	DESCRIPTION	TOTAL LENGTH	SIGNATURE	START STA.	FINISH STA.	REMARKS	ITEM NO.
1	22 AWG WHT	6FT.5 IN.	PGND	P1-9	P2-1	-0001 & -0002	8
2	RED		XMTD	P1-13	P2-2		
3	GRN		RCVD	P1-12	P2-3		
4	BLU		SGND	P1-1	P2-7		
5	ORN		DCD(CDET)	P1-11	P2-8		
6	BLK		DTR	P1-15	P2-20		
7	22 AWG BRN	6FT.5 IN.	RTS(P12V)	P1-10	P2-4	-0001 & -0002	8
8	22 AWG VIOLET	6FT.5 IN.	DSR	P1-7	P2-6	-0002 ONLY, [7]	8

NOTES: UNLESS OTHERWISE SPECIFIED

1. CABLE CLAMP SCREWS AND RETAINER CLIPS AND SCREWS INCLUDED WITH (ITEM 1)
2. CABLE CLAMP SCREWS AND RETAINER CLIPS AND SCREWS INCLUDED WITH (ITEM 6).
3. RETAINER CLIPS AND SCREWS INCLUDED WITH ITEMS 1 AND 6 ARE TO BE PLACED IN A PLASTIC BAG AND SECURED TO CABLE
4. CABLE CLAMP DETAIL IN P2 SAME AS P1.
5. SCREWS MUST BE THREADED COMPLETELY THRU RETAINER CLIPS WITH THREADED HOLE ON SAME SIDE AS SCREW HEAD IF INSTALLED ON CONNS
6. THIS CABLE IS TO BE CONSTRUCTED WITH U.L. LISTED MATERIAL ONLY
7. ITEM 8, ON -0002 ONLY, IS A 10-WIRE MULTI-CONDUCTOR CABLE. UNUSED WIRES (GREY & YELLOW) MAY BE CUT OFF
8. THE -0002 DOES NOT REQUIRE A UL LABEL.
9. ITEM 101 ON -0001 & -0002 LM CONSISTS OF BULK CABLE ASSEMBLY MATERIAL. (NOTES CONT SH 2)



DASH NO.	DESCRIPTION
-5002	BULK CABLE ASSEMBLY MATERIAL FOR -0002
-5001	BULK CABLE ASSEMBLY MATERIAL FOR -0001
9 8 -0002	CABLE ASSY, EIA (103A) I/F, GERMANY
9 -0001	CABLE ASSY, EIA (103A) I/F

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED
	A	406027 (E) E.E. Rodriguez 8-12-75 1. TITLE WAS CABLE ASSY E.I.A. INTERFACE 2. ITEM 7 P/N WAS 533841-0001		
		FORMAL RELEASE		
	B	406446(E) [illegible] 10-22-75 ADDED 1) ITEM 10	9/24/75	
	C	409821(E) L Wheet 11-1-75 ADDED NOTE 5		
	D	410063(D) L. Wheet 12-9-75 CHANGED NOTE 3 WAS "_____ WITH LARGE HOLE ON SAME SIDE AS SCREW HEAD."	12-9-75	
	E	413102(C) Shirley B Little 7-20-76 F/D: ADDED DIMENSION 2.00 T. 50 TO P2; ADDED MARKER STRAP TO SHOW ITEM 7 AND CALLED OUT "MARK EIA/103A PER PROCESS 1"; LM: ITEM 7 P/N 235463-0006 QTY WAS 1.0	7/8/76	
	F	429340 (D) G. M. Little ON LM ITEM 3 P/N WAS 533935-0002	1-4-78	
	G	CN424588 (D) A. Tinsen (1) DELETED ITEM 4(2) WIRE LIST, DESCRIP 1 THRU 7 WAS 22 AWG 1 PVC WHT (3) QTY ITEM 8 WAS 45.5 FT (4) ITEM 8 P/N WAS 538347-3999	2-1-78	
	H	CN432506(C) C. [illegible] (1) REVISED PER EXTENSIVE ENGR. CHANGES	6-5-78	
	J	CN434207 (C) G. Mills (1) ADDED -0001 & -0002 UNDER REMARKS ON WIRE LIST (2) ADDED NOTES 7 & 8 AND WIRE 8 (3) F/D, DELETED 7 PLS FROM ITEMS 9 & 3 (4) ADDED DASH NO. DESC. BLOCK AND CREATED -0002 LM	7-24-78	
	K	CN438128 (D) ROMA (1) IN WL COLORS OF WIRES 1 & 7 WERE YEL & BRN RESP	8-9-78	
	L	CN 437466 (C) L. Tuttle (1) CREATED -5001 & -5002 LM (2) ADDED ITEM 101 TO -0001 & -0002 LM (3) ADDED NOTE 9	7-27-79	
	M	CN449009(D) S Dolan (1) REVISED PER EXTENSIVE ENG CHANGES (2) ADDED SH 2	7-2-80	
	N	CN 452704 (C) D Andersen (1) REVISED PER EXTENSIVE ENGR CHANGES	5/2/80	
	P	CN477772(C) S Dolan (1) DELETED ITEM 11	3-27-81	
	R	CN 502697 (C) J KLEPAC (1) ADDED NOTE 12	7-29-82	
	T	CN 495453 (E) J. KLEPAC (1) ADDED ITEM 11	9-23-82	
	U	CN494751 (D) J. ANGEL (1) ON -0001 DELETED ITEM #11 (2) ON -5001 ADDED ITEM #11	11-1-82	

~~2 MARK 100-07 712 CLR WHITE TYPE 8~~
~~1 MARK 100-07 712 CLR BLACK TYPE 6~~

SEQ NO	IDENT	F-SPEC	NO	ADDITIONAL
	PROCESS			CLASSIFICATION

~~INTERPRET PROCESSES PER SI DRAWING 230402.~~

REV STATUS OF SHEETS	REV	U	R
	SH	1	2

QTY REQD -2	QTY REQD -1	ITEM NO	CODE IDENT	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION

PARTS LIST

UNLESS OTHERWISE SPECIFIED
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIR
- DIMENSIONAL LIMITS APPLY BEFORE FINISH PROCESSING
- IDENTIFYING NUMBERS SHOWN IN PARENTHESES FOR REFERENCE ONLY
- INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100

HOLE TOLERANCE

.013 THRU .125 ± .004 ± .001	.126 THRU .250 ± .005 ± .001	.251 THRU .500 ± .006 ± .001
.501 THRU .750 ± .008 ± .001	.751 THRU 1.000 ± .010 ± .001	1.001 THRU 2.000 ± .012 ± .001

	8733
983800	8732
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES: ANGLES ± 1° 3 PLACE DECIMALS ± .010 2 PLACE DECIMALS ± .02

		DATE
DWN	E.E. Rodriguez	6-27-75
CHK	D Wyatt S	7-29-75
ENGR	[illegible]	7-29-75
QA	[illegible]	8/15/75
APVD	Jennie Shadrick	8-15-75
CONTR NO	[illegible] RH	8/18/75
DESIGN ACTIVITY RELEASE	[illegible]	8/20/75

TEXAS INSTRUMENTS INCORPORATED
Equipment Group Dallas, Texas

CABLE ASSY, E.I.A. (103A) INTERFACE

SIZE	CODE IDENT NO	DRAWING NO
C	96214	983848

SCALE NONE SHEET 1 OF 2

983848

9-19

LM FILMED

NOTES: CONTINUED

10. MARK PER 2265070, LINE 4 TEXT P2 EIA/103A

11. MARK PER 2265070, LINE 4 TEXT "P1"

12. ITEM 21 IS TO BE FASTENED AROUND THE SLEEVING AND PULLED TIGHT. INSERT SLEEVING WITH TIE WRAP INSIDE THE HOUSING.

TEXAS INSTRUMENTS INCORPORATED Dallas, Texas	DWN	DATE 2-23-79	SIZE C	FSCM NO 96214	DRAWING NO 983848
	ISSUE DATE		SCALE NONE		SHEET 2

List of Materials

01/28/84

PART NUMBER	REV	DESCRIPTION
0983848-0001	U	CABLE ASSY,EIA 103A INTERFACE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2210305-0002	HOOD STRN RLF 45/180DEG,BULK PK 15 POS 000779-2-206478-1	EA
0002	00001.000	0539409-0004	CONNECTOR,RCPT 15 PINS 5935-0200-000	EA
0002A			P1 5935-0200-000	
0005	00001.000	0539409-0005	CONNECTOR,PLUG 25 PINS AMP -205208-1	EA
0005A			P2 AMP -205208-1	
0006	00001.000	2210305-0003	HOOD STRN RLF 45/180DEG,BULK PK 25 POS SEE TI- DRAWING	EA
0010	REF	0970671-9901	OMNI TEST PROGRAM FOR CABLE ASSY,INTFC	EA
0101	00001.000	0983848-5001	BULK CABLE ASSEMBLY MATERIAL FOR -0001 1224-0848-119	EA

01/28/84

PART NUMBER	REV	DESCRIPTION
0983848-5001	U	BULK CABLE ASSEMBLY MATERIAL FOR -0001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0003	00007.000	0539430-0004	CONTACT,SOCKET 24-20AWG .068 INSUL DIA AMP -205201-3 ST	EA
0007	00002.000	2210317-0001	LABEL,BLANK,CABLE MARKER 085480-SLPF-19319-4	EA
0008	00006.500	0972444-0015	CABLE,#22 AWG 7 COND 1061/2464 UL STYLE 054387-2506226	FT
0009	00007.000	0539430-0003	CONTACT,PIN 24-20AWG .068 INSUL DIA AMP -205202-2 ST	EA
0011	00001.000	0962571-0005	PLATE, ID, EDP CABLE	EA
0012	00001.000	0532997-0013	BAG,POLYETHLENE,3X6	EA
0021	00002.000	0972632-0001	STRAP,TIE DOWN,CABLE-NON-STD,0-1-1/4 D.	EA
9997	00000.000	0239999-5000	COST, SHRINKAGE CABLE BULK MATERIAL	EA

NOTES: UNLESS OTHERWISE SPECIFIED

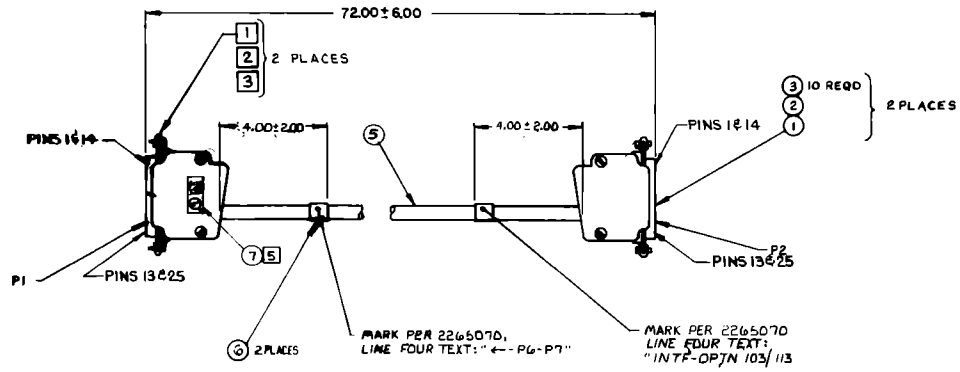
1. CABLE CLAMP SCREWS & RETAINER CLIPS & SCREWS INCLUDED WITH ITEM 2
2. RETAINER CLIP INSTALLED WITH THREADED HOLE ON SAME SIDE AS SCREW HEAD
3. SCREWS MUST BE THREADED COMPLETELY THRU RETAINER CLIPS
4. ITEM 101 IN -0001 LM CONSISTS OF BULK CABLE ASSEMBLY MATERIAL
5. INSTALL UL ID TAG ON EITHER SIDE OF CONNECTOR HOOD

WIRE NO.	DESCRIPTION		START STATION	FINISH STATION	SIGNATURE	ITEM NO	REMARKS
1	22 AWG	BLK	P1 - 1	P2 - 1	AA	5	
2		WHT	- 2	- 2	BA		
3		RED	- 3	- 3	BB		
4		GRN	- 4	- 4	CA		
5		BRN	- 5	- 5	CB		
6		BLU	- 6	- 6	CC		
7		ORN	- 7	- 7	AB		
8		YEL	- 8	- 8	CF		
9		VIO	- 20	- 20	CD		
10	22 AWG	GRY	P1 - 22	P2 - 22	CE	5	

DWG NO 993204

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	415775(C) RELEASED 11/10/76 REV PER ENGR MARKUP	11/12/76	
	FORMAL RELEASE		
B	CN 439016(E) ADDED ITEM 4 QTY WAS 2 (2) CREATED -5001 LM(3) ADDED ITEM 101 TO -0001 LM(4) ADDED PN BLOCK(5) ADDED NOTE 4	1-5-80	
C	CN 462885(C) CHANGED (1) ON -0001 LM ITEM 2 P/N WAS 539908 -0001	8-10-80	
D	CN 472241(D) CHANGED (1) ADDED NOTE 5, (2) ADDED LABEL TO # 2-7, (3) ADDED ITEM 7 TO LM	11-25-80	
E	CN 491973(D) PRUNYON: -0001 LM DELETED ITEM 6 AND ADDED ITEM 8 ON -5001 LM, DELETED NOTE 4 AND ALSO ADDED NOTE 5 AS DELETED PROCESSES AND 2 (4) P.O. DELETED DIM 4.00 ± .50 (5) DIM 4.00 ± .50 WAS 2.00 ± .50 (6) MARK PER 2265070 LINE FOUR TEXT: INTF OPTN 103/113 MARK PART NUMBER & REV LETTER PER PROCESS 1 (7) MARK PER 2265070 - NE FOUR TEXT "← P6-P7" WAS MARK INTF-OPTN 103/113	3-10-82	
F	CN 494956(D) PRUNYON: DELETED ITEM 7 ON -0001 LM (2) ADDED ITEM 7 TO -5001	11-8-82	



SEQ NO	IDENT	F-SPEC	NO	ADDITIONAL	NOTES
	PROCESS		CLASSIFICATION		
2	MARK	100-07	712	COLOR WHITE, TYPE B	
3	MARK	100-07	712	COLOR BLACK, TYPE B	

PROCESSES — FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 729467

4	993204-0001	CABLE ASSY, 103/113 DATA SET
	993204-5001	BULK CABLE ASSEMBLY MATERIAL FOR -0001
	PART NO.	DESCRIPTION

PARTS LIST

-1 QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES: ANGLES ±1°; 3 PLACE DECIMALS ± .010; 2 PLACE DECIMALS ± .02
- INTERPRET DRAWING PER MIL-D-1000
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIM
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

.013 THRU .091	LIB .004 .001	.151 THRU .385	LIB .006 .001
.120 THRU .201	LIB .005 .001	.390 THRU .201	LIB .007 .001
.208 THRU .281	LIB .008 .001	.312 THRU .390	LIB .010 .001

8785

DRAWN: L. KNOWLES 9-1-76
CHECKED: 11-30-76
ENGR: 12-1-76
APPROVED: 12-1-76

TEXAS INSTRUMENTS INCORPORATED, Dallas, Texas

CABLE ASSY, 103/113 DATA SET

SIZE D | FSCM NO 96214 | DRAWING NO 993204 | SCALE | SHEET

List of Materials

01/28/84

PART NUMBER	REV	DESCRIPTION
0993204-0001	F	CABLE ASSY,103/113 DATA SET

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00002.000	0539409-0005	CONNECTOR,PLUG 25 PINS AMP -205208-1	EA
0002	00002.000	2210305-0003	HOOD STRN RLF 45/180DEG,BULK PK 25 POS SEE TI- DRAWING	EA
0008	00REF 000	2265070-0001	SPEC, PRE-PRINTED CABLE MARKER	EA
0101	00001.000	0993204-5001	BULK CABLE ASSEMBLY MATERIAL FOR -0001 1225-0204-000	EA

01/28/84

PART NUMBER	REV	DESCRIPTION
0993204-5001	F	BULK CABLE ASSEMBLY MATERIAL FOR -0001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0003	00020.000	0539430-0003	CONTACT,PIN 24-20AWG .068 INSUL DIA AMP -205202-2 ST	EA
0005	00006.500	0972444-0001	CABLE,10 COND 22AWG UL LISTED	FT
0006	00002.000	2210317-0001	LABEL,BLANK,CABLE MARKER 085480-SLPF-19319-4	EA
0007	00001.000	0962571-0005	PLATE, ID, EDP CABLE	EA

DWG NO 993205 REV

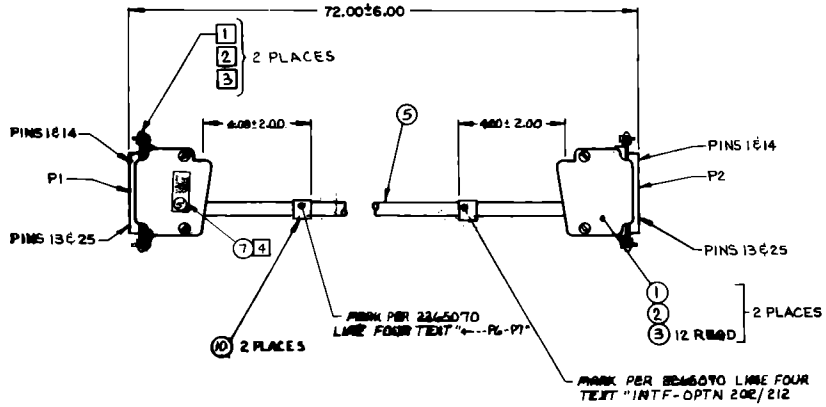
NOTES: UNLESS OTHERWISE SPECIFIED

1. CABLE CLAMP SCREWS & RETAINER CLIPS& SCREWS INCLUDED WITH ITEM 2
2. RETAINER CLIP INSTALLED WITH THREADED HOLE ON SAME SIDE AS SCREW HEAD
3. SCREWS MUST BE THREADED COMPLETELY THRU RETAINER CLIPS
4. INSTALL UL ID TAG ON EITHER SIDE OF CONNECTOR HOOD

WIRE NO.	DESCRIPTION	START STATION	FINISH STATION	SIGNATURE	ITEM NO	REMARKS
1	22 AWG-CABLE-BLK	P1-1	P2-1	AA	5	
2	-WHT	-2	-2	BA		
3	-RED	-3	-3	BB		
4	-GRN	-4	-4	CA		
5	-BRN	-5	-5	CB		
6	-BLU	-6	-6	CC		
7	-ORN	-7	-7	AB		
8	-YEL	-8	-8	CF		
9	-VIO	-11	-11	SCA		
10	-GRY	-12	-12	SCF		
11	-PINK	-20	-20	CD		
12	22 AWG-CABLE-TAN	P1-22	P2-22	CE	5	

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	415775(C) REV PER ENGR MARKUP	11/5/76	
	FORMAL RELEASE		
B	CN438012(D)PRUNTON(1)ITEM 4 QTY-1 WAS 2 (2) ADDED DIM 4.50±.50 2PL (2)ADDED PROJECT NO 8233	11-23-79	
C	CN4722146(D)C (1)ADDED NOTE 4 (2) ADDED ITEM 7 TO 8 C-7 (3) ADDED ITEM 7 TO LM	11-20-80	
D	CN4756179(D)C (1)ADDED LM DELETED ITEMS 3 & 5, ADDED ITEM 6012(2)CREATED -5001 LIT	7/28/81	
E	CN4819774(D)PRUNTON(1)ON-0001 LM DELETED ITEMS 6 AND 4 (2) ALSO ON-0001 ADDED ITEM 9 AND 10 (5) DELETED PROCESS 5 AND 2 (4) DELETED 50 DIM 4.00±.50, 2 PLACES (5) DIM 6.00±2.00 WAS 2.00±.50 (6) MARK PER 226070 LINE FOUR TEXT "←PG-P7" WAS MARK INTF-OPTN 202/212 (7) MARK PER 226070 LINE FOUR TEXT "INTF-OPTN 202/212" WAS MARK PIN AND REV LETTER PER PROCESS 5	7-16-81	
F	CN4947554(D)PRUNTON(1)ON-0001 LIT DELETED ITEMS 7 AND 8 (2)ON-5001 ADDED ITEM 7	1-8-82	



SEQ NO	MARK	100-07	712	COLOR WHITE, TYPE B
1	MARK	100-07	712	COLOR BLACK, TYPE B

SEQ NO	PROCESS: IDENT	PROCESS: F.SPEC	CLASSIFICATION: NO	CLASSIFICATION: ADDITIONAL	NOTES

PROCESSES — FOR CORRELATION TO GOVT/IND SPECIFICATION

PARTS LIST

QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	REQUIREMENT SPECIFICATION	NOTES

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES ANGLES ±1°
  3 PLACE DECIMALS ± .010
  2 PLACE DECIMALS ± .02
- INTERPRET DRAWING PER MIL-D-1000
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIM
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

.012 THRU .031	.004	.126 THRU .250	.008	.751 THRU 1.000	.008
.031 THRU .125	.005	.251 THRU .500	.010	1.001 THRU 2.000	.012
.126 THRU .250	.006	.501 THRU .750	.010	2.001 THRU 3.000	.016

8710
NEXT ASSY USED ON
APPLICATION

DRN E.E. Rodriguez DATE 9-2-76
CHK [illegible] 11/5/76
ENGR [illegible] 11-10-76
PROJ [illegible] 12-3-76
QUAL [illegible] 12-7-76

TEXAS INSTRUMENTS INCORPORATED
Dallas, Texas

CABLE ASSY,
202/212 DATA SET

SIZE D | FSCM NO 96214 | 993205
SCALE | SHEET

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
0993205-0001	F	CABLE ASSY,202/212 DATA SET

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00002.000	0539409-0005	CONNECTOR,PLUG 25 PINS AMP -205208-1	EA
0002	00002.000	0539903-0001	HOOD,CONN 25 PIN WITH RETAINERS AMP - 206478-3	EA
0009	00REF 000	2265070-0001	SPEC, PRE-PRINTED CABLE MARKER	EA
0101	00001.000	0993205-5001	BULK CABLE ASSY MATERIAL FOR -0001 1221-0205-063	EA

05/12/84

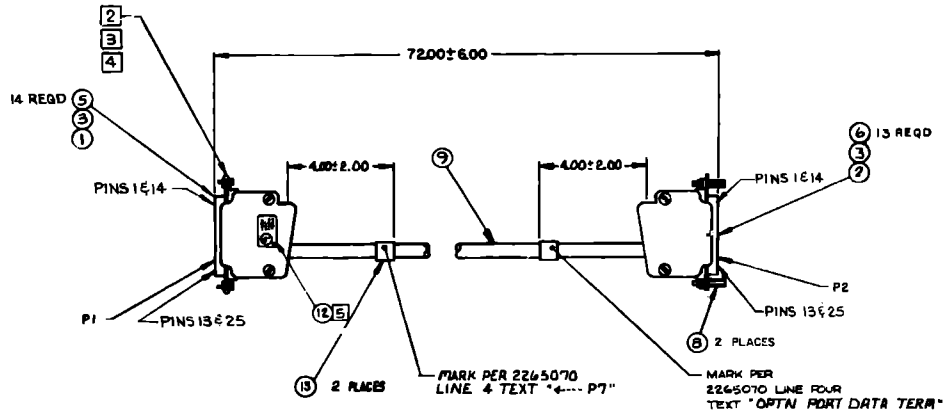
PART NUMBER	REV	DESCRIPTION
0993205-5001	F	BULK CABLE ASSY MATERIAL FOR -0001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0003	00024.000	0539430-0003	CONTACT,PIN 24-20AWG .068 INSUL DIA AMP -205202-2 ST	EA
0005	00006.500	0972444-0005	CABLE,12COND 22AWG UL LISTED C19057-6914UL	FT
0007	00001.000	0962571-0005	PLATE, ID, EDP CABLE	EA
0010	00002.000	2210317-0001	LABEL,BLANK,CABLE MARKER 085480-SLPF-19319-4	EA

NOTES: UNLESS OTHERWISE SPECIFIED:

1. TWO WIRES CRIMPED TOGETHER AT THIS STATION.
2. CABLE CLAMP SCREWS & RETAINER CLIPS & SCREWS INCLUDED WITH ITEM 3
3. RETAINER CLIP INSTALLED WITH THREADED HOLE ON SAME SIDE AS SCREW HEAD
4. SCREWS MUST BE THREADED COMPLETELY THRU RETAINER CLIPS
5. INSTALL UL ID TAG ON EITHER SIDE OF CONNECTOR HOOD

WIRE NO.	DESCRIPTION	START STATION	FINISH STATION	SIGNATURE	ITEM NO	REMARKS
1	22 AWG BLK	P1 - 1	P2 - 1	AA ⟷ AA	9	
2	WHT	- 2	- 3	BA ⟶ BB		
3	RED	- 3	- 2	BB ⟵ BA		
4	GRN	- 4 [1]	- 8	CA ⟶ CF		
5	BRN	- 6	- 20	CC ⟵ CC		
6	BLU	- 7	- 7	AB ⟷ AB		
7	ORG	- 8	- 4 [1]	CF ⟵ CA		
8	YEL	- 11	- 12	SCA ⟶ SCF		
9	VIO	- 12	- 11	SCF ⟵ SCA		
10	GRY	- 15 [1]	- 17	DB ⟷ DD		
11	PNK	- 17 [1]	- 15	DD ⟷ DB		
12	22 AWG TAN	- 20	P2 - 6	CD ⟶ CC	9	
13	26 AWG IPVC WHT	- 4	P1 - 5	CA ⟶ CB	10	2ND WIRE ON P1-4
14		P1 - 15	P1 - 24 [1]	DB ⟵ AUXL10		2ND WIRE ON P1-15
15		P2 - 4	P2 - 5	CA ⟶ CB		2ND WIRE ON P2-4
16	26 AWG IPVC WHT	P1 - 17	P1 - 24	DD ⟵ AUXL10	10	2ND WIRE ON P1-17



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
L	CN513045(D) M. DURHAM 2-17-84	2/17/84	

993210

SEQ NO	PROCESS	CLASSIFICATION	NOTES
3	MARK 100-07 - 712 COLOR WHITE, TYPE G		
4	MARK 100-07 - 712 COLOR BLACK, TYPE G		

PROCESSES — FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 72847

-1 QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES
		PARTS LIST			

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES: ANGLES ±1°; 3 PLACE DECIMALS ± .010; 2 PLACE DECIMALS ± .02
- INTERPRET DRAWING PER MIL-D-1000
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIM
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSING
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

.014 THRU .125	.008 .001	.751 THRU .875	.008 .001
.126 THRU .250	.008 .001	.876 THRU 1.000	.010 .001
.251 THRU .750	.008 .001	1.001 THRU 3.000	.012 .001

8740

NEXT ASSY | USED ON

APPLICATION

DRAWN L.ENOVER 9-1-76
CHK'D 11-18-76
ENGR 12-3-76
QUAL
MFG APPR
PROJ ENGR

TEXAS INSTRUMENTS INCORPORATED, DALLAS, TEXAS

CABLE ASSEMBLY, DATA TERMINAL

SIZE D | FSCM NO 96214 | 993210

SCALE NONE | SHEET

34C DB LM

List of Materials

01/28/84

PART NUMBER	REV	DESCRIPTION
0993210-0001	L	CABLE ASSY,DATA TERMINAL

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0539409-0005	CONNECTOR,PLUG 25 PINS AMP -205208-1	EA
0002	00001.000	0539409-0006	CONNECTOR,RCPT 25 PINS AMP -205207-1	EA
0003	00002.000	2210305-0003	HOOD STRN RLF 45/180DEG,BULK PK 25 POS SEE TI- DRAWING	EA
0008	00001.000	0808129-0001	CONNECTOR,ELECT SCREW-LOCK ASSY FEMALE 081349-M24308/26-1	EA
0101	00001.000	0993210-5001	BULK CABLE ASSY MATERIAL FOR -0001 1221-0210-045	EA

02/04/84

PART NUMBER	REV	DESCRIPTION
0993210-5001	L	BULK CABLE ASSY MATERIAL FOR -0001

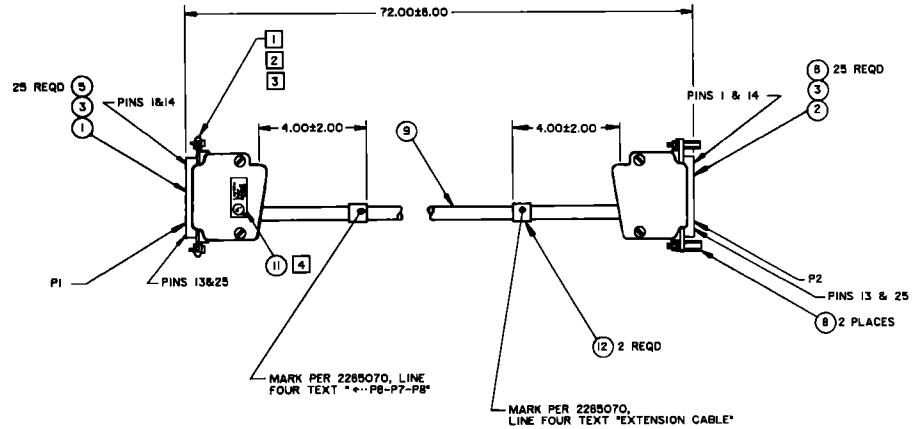
ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0005	00014.000	0539430-0003	CONTACT,PIN 24-20AWG .068 INSUL DIA AMP -205202-2 ST	EA
0006	00013.000	0539430-0004	CONTACT,SOCKET 24-20AWG .068 INSUL DIA AMP -205201-3 ST	EA
0009	00006.500	0972444-0005	CABLE,12COND 22AWG UL LISTED 019007-6914UL	FT
0010	AR 000	2210012-1999	WIRE,ELECT,WHT,26 AWG,19 X 38,U/L 1429 090484-SEE TI DWG	FT
0012	00001.000	0962571-0005	PLATE, ID, EDP CABLE	EA
0013	00002.000	2210317-0001	LABEL,BLANK,CABLE MARKER 085480-SLPF-19319-4	EA
0014	REF	2265070-0001	SPEC, PRE-PRINTED CABLE MARKER	EA

NOTES: UNLESS OTHERWISE SPECIFIED

1. CABLE CLAMP SCREWS & RETAINER CLIPS & SCREWS INCLUDED WITH ITEM 3
2. RETAINER CLIP INSTALLED WITH THREADED HOLE ON SAME SIDE AS SCREW HEAD
3. SCREWS MUST BE THREADED COMPLETELY THRU RETAINER CLIPS
4. INSTALL UL ID TAG ON EITHER SIDE OF CONNECTOR HOOD

WIRE NO.	DESCRIPTION	START STATION	FINISH STATION	SIGNATURE	ITEM NO	REMARKS
1	22 AWG-BLK	P1-1	P2-1	CRKT -1	9	
2	-WHT	-2	-2	-2		
3	-RED	-3	-3	-3		
4	-GRN	-4	-4	-4		
5	-ORN	-5	-5	-5		
6	-BLU	-6	-6	-6		
7	-WHT/BLK	-7	-7	-7		
8	-RED/BLK	-8	-8	-8		
9	-GRN/BLK	-9	-9	-9		
10	-ORN/BLK	-10	-10	-10		
11	-BLU/BLK	-11	-11	-11		
12	-BLK/WHT	-12	-12	-12		
13	-RED/WHT	-13	-13	-13		
14	-GRN/WHT	-14	-14	-14		
15	-BLU/WHT	-15	-15	-15		
16	-BLK/RED	-16	-16	-16		
17	-WHT/RED	-17	-17	-17		
18	-ORN/RED	-18	-18	-18		
19	-BLU/RED	-19	-19	-19		
20	-RED/GRN	-20	-20	-20		
21	-ORN/GRN	-21	-21	-21		
22	-BLK/WHT/RED	-22	-22	-22		
23	-WHT/BLK/RED	-23	-23	-23		
24	-RED/BLK/WHT	-24	-24	-24		
25	22 AWG-GRN/BLK/WHT	P1-25	P2-25	CRKT -25	9	

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
G	CN5130451(D) M. DURHAM 5-11-84	5/11/84	



PART NUMBER	DESCRIPTION
993211-5001	BULK CABLE ASSY MATERIAL FOR -0001
993211-0001	CABLE ASSY EIA EXTENSION

QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES
			PARTS LIST		

SEQ NO	PROCESS		CLASSIFICATION			NOTES
	IDENT	SPEC	NO	ADDITIONAL		
2	MARK	100-07	712	COLOR WHITE TYPE 9		
1	MARK	100-07	712	COLOR BLACK TYPE 6		

PROCESSES — FOR CORRELATION "C GOV" INC SPECIFICATIONS SEE " DRAWING "29687

NEXT ASSY 8740 USED ON APPLICATION 340

DRAWN 9-2-76 E. Williams
CHECKED 12-3-76
ENGR 1/3 C. WILLIAMS 12-4-76

TEXAS INSTRUMENTS INCORPORATED Dallas, Texas

CABLE ASSY, EIA EXTENSION

SIZE D | FSCM NO 96214 | DRAWING NO 993211 | SCALE NONE | SHEET

DB LM

List of Materials

01/28/84

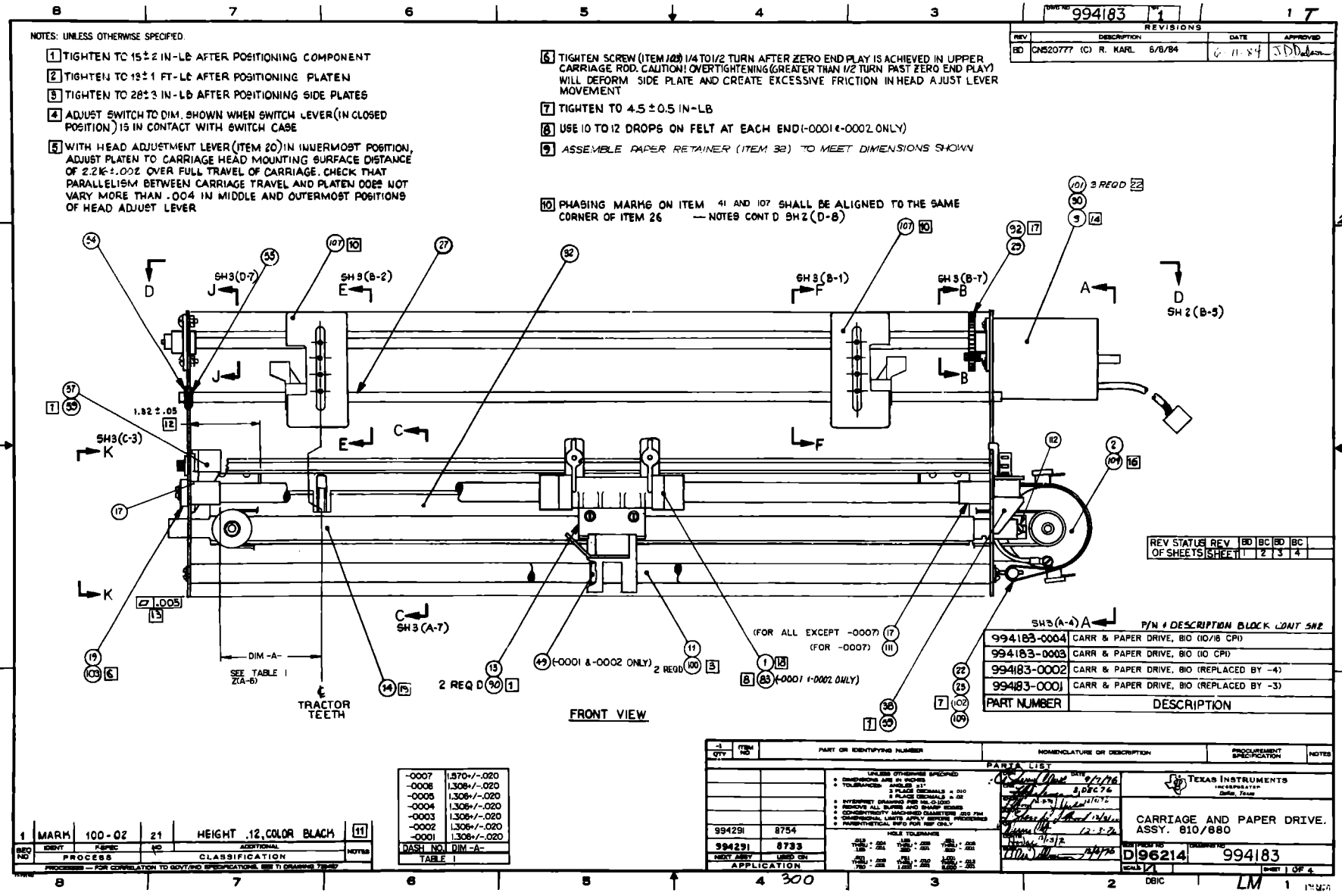
PART NUMBER	REV	DESCRIPTION
0993211-0001	G	CABLE ASSY,EIA EXTENSION

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0539409-0005	CONNECTOR,PLUG 25 PINS AMP -205208-1	EA
0002	00001.000	0539409-0006	CONNECTOR,RCPT 25 PINS AMP -205207-1	EA
0003	00002.000	2210305-0003	HOOD STRN RLF 45/180DEG,BULK PK 25 POS SEE TI- DRAWING	EA
0008	00001.000	0808129-0001	CONNECTOR,ELECT SCREW-LOCK ASSY FEMALE 081349-M24308/26-1	EA
0013	REF	2265070-0001	SPEC, PRE-PRINTED CABLE MARKER	EA
0101	00001.000	0993211-5001	BULK CABLE ASSY MATERIAL FOR -0001 1221-0211-000	EA

02/04/84

PART NUMBER	REV	DESCRIPTION
0993211-5001	G	BULK CABLE ASSY MATERIAL FOR -0001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0005	00025.000	0539430-0003	CONTACT,PIN 24-20AWG .068 INSUL DIA AMP -205202-2 ST	EA
0006	00025.000	0539430-0004	CONTACT,SOCKET 24-20AWG .068 INSUL DIA AMP -205201-3 ST	EA
0009	00006.500	0972444-0006	CABLE,25COND 22AWG UL LISTED 019007-6918UL	FT
0011	00001.000	0962571-0005	PLATE, ID, EDP CABLE	EA
0012	00002.000	2210317-0001	LABEL,BLANK,CABLE MARKER 085480-SLPF-19319-4	EA


994183
REVISIONS
REV DESCRIPTION DATE APPROVED
BD CN520777 (C) R. KARL 6/6/84 6-11-84 J.D.D.
NOTES: UNLESS OTHERWISE SPECIFIED.
1 TIGHTEN TO 15±2 IN-LB AFTER POSITIONING COMPONENT
2 TIGHTEN TO 19±1 FT-LB AFTER POSITIONING PLATEN
3 TIGHTEN TO 28±3 IN-LB AFTER POSITIONING SIDE PLATES
4 ADJUST SWITCH TO DIM. SHOWN WHEN SWITCH LEVER (IN CLOSED POSITION) IS IN CONTACT WITH SWITCH CASE
5 WITH HEAD ADJUSTMENT LEVER (ITEM 20) IN INNERMOST POSITION, ADJUST PLATEN TO CARRIAGE HEAD MOUNTING SURFACE DISTANCE OF 2.216±.002 OVER FULL TRAVEL OF CARRIAGE. CHECK THAT PARALLELISM BETWEEN CARRIAGE TRAVEL AND PLATEN DOES NOT VARY MORE THAN .004 IN MIDDLE AND OUTERMOST POSITIONS OF HEAD ADJUST LEVER
6 TIGHTEN SCREW (ITEM 103) 1/4 TO 1/2 TURN AFTER ZERO END PLAY IS ACHIEVED IN UPPER CARRIAGE ROD. CAUTION! OVERTIGHTENING (GREATER THAN 1/2 TURN PAST ZERO END PLAY) WILL DEFORM SIDE PLATE AND CREATE EXCESSIVE FRICTION IN HEAD ADJUST LEVER MOVEMENT
7 TIGHTEN TO 4.5±0.5 IN-LB
8 USE 10 TO 12 DROPS ON FELT AT EACH END (-0001 & -0002 ONLY)
9 ASSEMBLE PAPER RETAINER (ITEM 32) TO MEET DIMENSIONS SHOWN
10 PHASING MARKS ON ITEM 41 AND 107 SHALL BE ALIGNED TO THE SAME CORNER OF ITEM 26 — NOTES CONT'D SH 2 (D-8)
SH3(D-7)
SH3(B-2)
SH3(B-1)
SH3(B-7)
SH2(B-5)
SH3(C-3)
SH3(A-7)
SH3(A-4)
1.82±.05
.005
DIM -A-
SEE TABLE I Z(A-6)
TRACTOR TEETH
2 REQD
(-0001 & -0002 ONLY)
(FOR ALL EXCEPT -0007)
(FOR -0007)
3 REQD
FRONT VIEW
P/N & DESCRIPTION BLOCK CONT SH2
994183-0004 CARR & PAPER DRIVE, 810 (10/16 CPI)
994183-0003 CARR & PAPER DRIVE, 810 (10 CPI)
994183-0002 CARR & PAPER DRIVE, 810 (REPLACED BY -4)
994183-0001 CARR & PAPER DRIVE, 810 (REPLACED BY -3)
PART NUMBER DESCRIPTION
REV STATUS REV BD BC BD BC
OF SHEETS SHEET 1 2 3 4
-0007 1.570+/-.020
-0006 1.308+/-.020
-0005 1.308+/-.020
-0004 1.308+/-.020
-0003 1.308+/-.020
-0002 1.308+/-.020
-0001 1.308+/-.020
DASH NO. DIM -A-
TABLE I
1 MARK 100-02 21 HEIGHT .12, COLOR BLACK 11
BILL OF MATERIAL IDENT P/SPEC NO ADDITIONAL NOTES
PROCESS CLASSIFICATION
PROCESSES — FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING TSS67
PARTS LIST
994291 8754
994291 8733
NEXT ASSY USED ON
APPLICATION
TEXAS INSTRUMENTS INCORPORATED Dallas, Texas
CARRIAGE AND PAPER DRIVE, ASSY. 810/880
D96214 994183
SCALE 1 SHEET 1 OF 4
DBIC LM 1

NOTES : CONT D

11 MARK SITE/DATE CODE AND SERIAL NUMBER ON ITEM 84 PER PROCESS 1 AND ITEM 85 WHERE SHOWN. MARK ASSEMBLY NUMBER AND REV LETTER ON ITEM 84 PER PROCESS 1 AS SHOWN

12 ASSEMBLE ITEMS 12 & 31 SO THAT ASSEMBLY MEETS DIM SHOWN ON SH 1 (C-7)

13 APPLIES AT LOCATION DIRECTLY BELOW THE TWO BOTTOM SPACER MOUNTING HOLES

14 ORIENT MTR SO THAT MTR CABLE EXITS IN POSITION SHOWN

~~15 TIGHTEN TO 4 ± 0.5 IN-LB.~~

16 TIGHTEN TO 9 ± 1 IN-LB

17 USE SMALL AMOUNT OF ITEM 92 AT INTERFACE OF ITEMS 29 AND 3

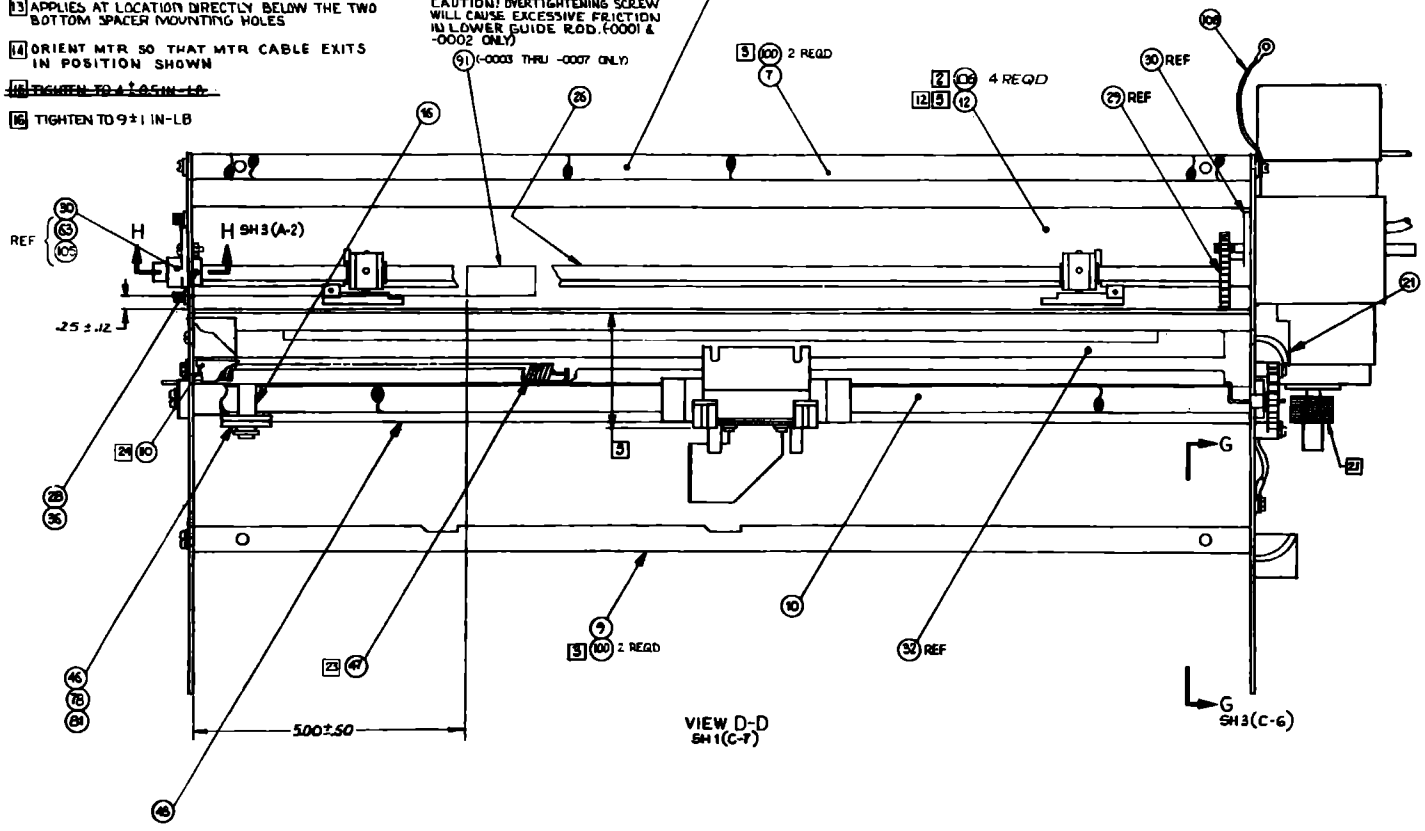
18 ADJUST SCREW TO ACHIEVE ZERO PLAY BETWEEN CARRIAGE (IT.1) AND BEARING (IT.49). NUT PLATE ON CARRIAGE SHOULD NOT BE LOOSE. CAUTION! OVERTIGHTENING SCREW WILL CAUSE EXCESSIVE FRICTION IN LOWER GUIDE ROD. (-0001 & -0002 ONLY)

19 APPLY LUBRICANT (ITEM 92) TO IDLER PULLEY SUPPORT (ITEM 14) WHERE SUPPORT PASSES THRU SIDE PLATES (ITEM 15)

20 TIGHTEN TO 20 ± 2 IN-LBS AFTER POSITIONING COMPONENT

21 THERE SHOULD BE 1 TO 1 1/6 TURNS OF WIRE ROPE REMAINING ON MOTOR END OF CAPSTAN WHEN CARRIAGE IS AGAINST LEFT BUMPER.

22 TIGHTEN TO 9 ± 1 IN-LB.

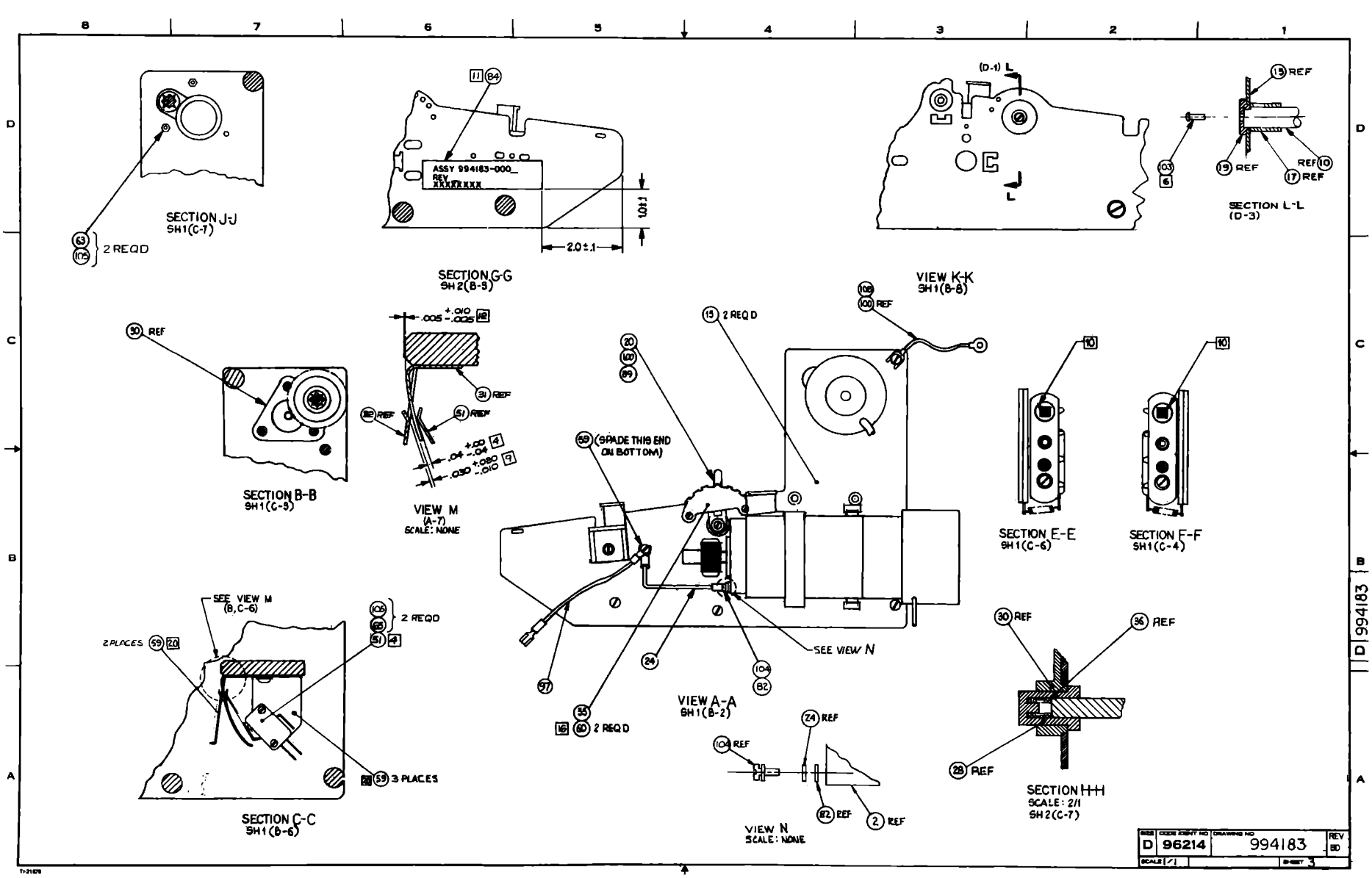


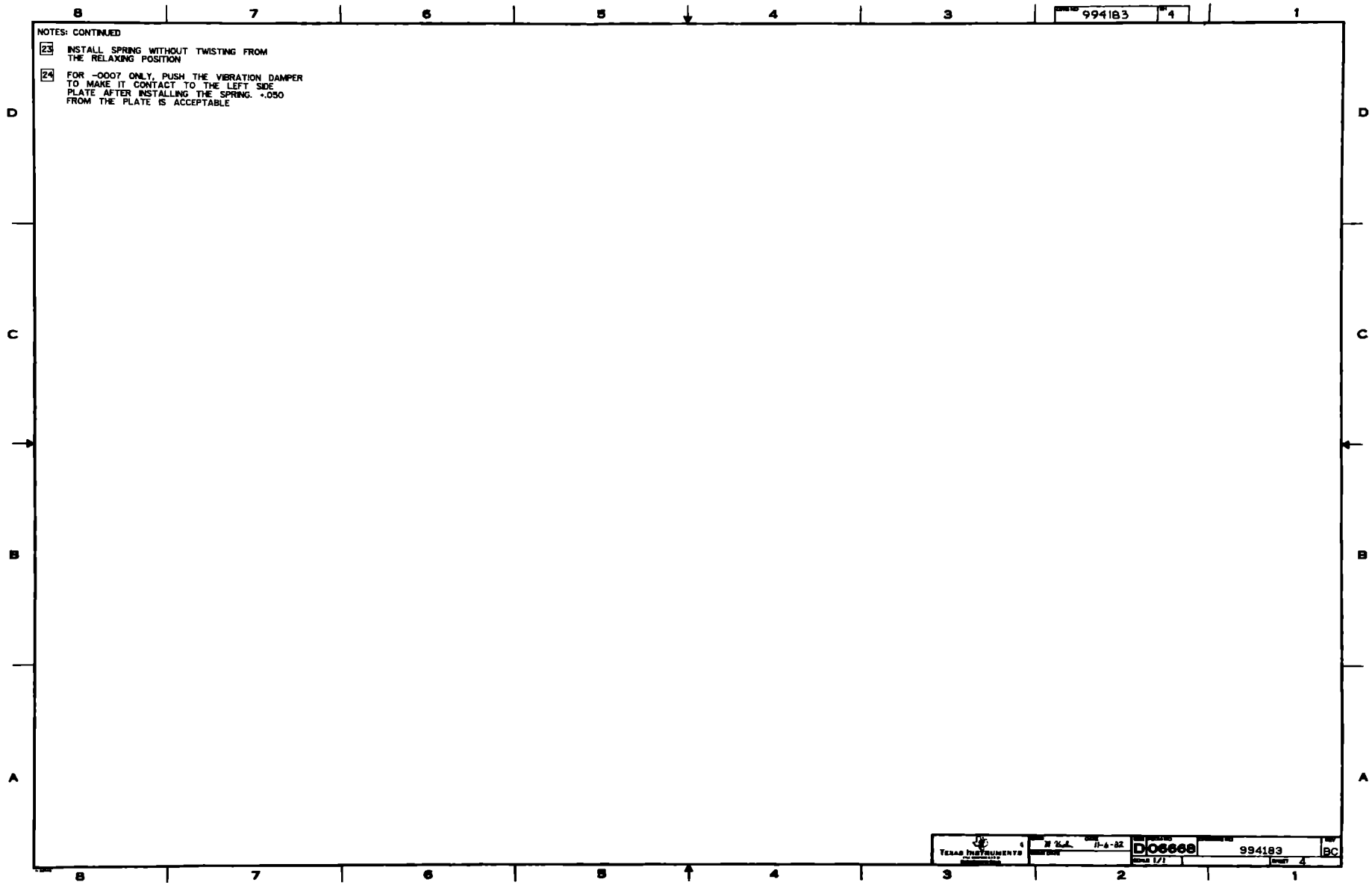
VIEW D-D
SH 1 (C-7)

PART NUMBER	DESCRIPTION CONT FROM SH 1
994183-0005	CARR & PAPER DRIVE, 880 LQ (10 CPI)
994183-0006	CARR & PAPER DRIVE, 880 LQ (10/18 CPI)
994183-0007	CARRIAGE & PAPER DRIVE ASSY, 880 DP
994183-8003	CARR & PAPER DR, 880 (10CPI)-SPARES
994183-8004	CARR & PAPER DR, 880 (10/18 CPI)-SPARES

SIZE	CODE IDENT NO	DRAWING NO	REV
D	96214	994183	BC
SCALE 1/1		SHEET 2	

D 994183


SECTION J-J
SH1(C-7)
2 REQD
ASSY 994183-000_
REV
XXXXXXXX
2.0±.1
SECTION G-G
SH2(B-5)
(D-1) L
SECTION L-L
(D-3)
VIEW K-K
SH1(B-8)
SECTION B-B
SH1(C-5)
VIEW M
(A-7)
SCALE: NONE
(SPADE THIS END ON BOTTOM)
SEE VIEW N
VIEW A-A
SH1(B-2)
SECTION E-E
SH1(C-6)
SECTION F-F
SH1(C-4)
SEE VIEW M (B,C-6)
2 PLACES
3 PLACES
SECTION C-C
SH1(B-6)
VIEW N
SCALE: NONE
SECTION H-H
SCALE: 2/1
SH2(C-7)
D 96214
994183
REV BD
SCALE 2/1
SHEET 3
D 994183


994183
4
NOTES: CONTINUED
23 INSTALL SPRING WITHOUT TWISTING FROM THE RELAXING POSITION
24 FOR -0007 ONLY, PUSH THE VIBRATION DAMPER TO MAKE IT CONTACT TO THE LEFT SIDE PLATE AFTER INSTALLING THE SPRING. +.050 FROM THE PLATE IS ACCEPTABLE
TEXAS INSTRUMENTS
11-4-82
D06668
994183
BC
SCALE 1/1
SHEET 4

List of Materials

07/14/84

PART NUMBER	REV	DESCRIPTION
0994183-0001	BD	CARR & PAPER DRIVE,810 (REPLACED BY-3)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994239-0001	CARRIAGE ASSY,PRINT HEAD	EA
			0000-0000-000	
0002	00001.000	2232582-0001	CARRIAGE MOTOR-ENCODER ASSY,10 CPI	EA
			1225- -000	
0002A			*ITEM 98 IS AN ALTERNATE	
			1225- -000	
0003	00001.000	0994207-0001	MOTOR ASSY,810,PAPER DRIVE	EA
			1225-1207-163	
0007	00001.000	0994185-0001	SPACER,UPPER	EA
			1680-0185-123	
0008	00001.000	0994186-0001	SPACER,LOWER REAR	EA
			1680-0186-121	
0009	00001.000	0994187-0001	SPACER,LOWER FRONT	EA
			1680-0187-114	
0010	00001.000	0994188-0001	ROD,UPPER GUIDE	EA
			1680-0188-000	
0011	00001.000	0994189-0001	ROD,LOWER GUIDE,810	EA
			1680-0189-123	
0012	00001.000	0999724-0001	PLATEN, 810/820/880	EA
			1680-2724-500	
0013	00001.000	0994191-0001	CLAMP,WIRE ROPE	EA
			1680-0191-055	
0014	00001.000	0994194-0001	SUPPORT,IDLER PULLEY	EA
			1680-0194-204	
0015	00002.000	0994184-0001	SIDE PLATE,DRIVE MECHANISM	EA
			1680-4184-061	
0016	00001.000	0994195-0001	SPACER,IDLER PULLEY	EA
			1680-0195-047	
0017	00002.000	0994196-0001	BUMPER,CARRIAGE	EA
0019	00001.000	0994197-0001	BUSHING,GUIDE ROD	EA
			1255-0074-030	
0020	00001.000	0994198-0001	LEVER,PRINTHEAD ADJUSTMENT	EA
			1255-0006-025	
0021	00001.000	0994200-0001	CRADLE,MOTOR	EA
			1255-0007-023	
0022	00001.000	0994201-0001	STRAP,MOTOR	EA
			1680-0201-039	
0023	00001.000	0994202-0001	NUT,MOTOR STRAP	EA
			1680-0202-203	
0024	00001.000	0960967-0003	LEAD,ELECTRICAL-GND	EA
			1225-3967-071	
0026	00001.000	0994172-0001	DRIVE SHAFT,TRACTOR	EA
			1680-0072-061	
0027	00001.000	0994209-0001	ROD,TRACTOR SUPPORT	EA
			1680-0209-090	
0028	00001.000	0994173-0001	HUB,PAPER ADVANCE	EA
			1255-0001-028	
0029	00001.000	0994453-0001	GEAR ASSY, PAPER ADVANCE (810)	EA
			1225-1453-000	
0030	00002.000	0994175-0001	BEARING,PAPER ADVANCE	EA
			1255-0003-030	
0031	00001.000	0994210-0001	PAPER GUIDE,PLATEN	EA
			1680-0210-088	
0032	00001.000	0999725-0001	RETAINER, PAPER-PLATEN	EA
			1684-1725-066	
0035	00001.000	0994232-0001	SCALE,HEAD GAP	EA
			1255-0017-027	
0036	00001.000	0994302-0001	SPRING,COMPRESSION-PAPER DRIVE SHAFT	EA

List of Materials

07/14/84

PART NUMBER	REV	DESCRIPTION
0994183-0001	BD	CARR & PAPER DRIVE,810 (REPLACED BY-3)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0037	00001.000	0994260-0001	GUIDE,UPPER LEFT-RIBBON 1255-0019-029	EA
0038	00001.000	0994261-0001	GUIDE,LOWER RIGHT-RIBBON 1255-0020-029	EA
0041	00000.000	2210148-0003	PAPER TRACTOR, DATA, PAIR SEE TI- DRAWING	PR
0041A			*ALTERNATE FOR ITEM 107 SEE TI- DRAWING	
0046	00001.000	0994241-0001	PULLEY ASSY,IDLER	EA
0047	00001.000	0994263-0001	SPRING,TENSION WIRE ROPE	EA
0048	00001.000	0994233-0001	WIRE ROPE,DRIVE MECHANISM	EA
0049	00001.000	0972405-0199	BEARING,SLEEVE BRONZE OIL-IMPREGNATED	EA
0051	00001.000	0996169-0001	SWITCH,SENSITIVE 1620-0000-000	EA
0054	00001.000	0411778-0005	RING,RETAINING,EXTERNAL BOWED WAL - 5139-31	EA
0055	00001.000	0416402-4031	RING,RETAINING,EXTERNAL "E"	EA
0059	00008.000	2220775-0030	SCREW,TAPTITE,6-32X.375 HEX HD SEE TI- DWG	EA
0060	00002.000	0972684-0013	SCREW,THD FRMG,HEX-WSHR HD,6-32X.625LG	EA
0063	00002.000	0972988-0015	SCREW 4-40 X .375 PAN HEAD CRES 1202-5001-000	EA
0065	00002.000	0972988-0018	SCREW 4-40 X .625 PAN HEAD CRES	EA
0078	00001.000	0411104-0138	WASHER, LOCK-SPRING, HELICAL, #10 QPL - MS35338-138	EA
0081	00001.000	0416453-0024	NUT,#10 HEX SMALL PATTERN	EA
0082	00001.000	0411101-0058	LOCKWASHER #6 EXTERNAL TOOTH CRES QPL - MS35335-58	EA
0083	AR	0199594-0001	LUBRICANT-1 OZ. BOTTLE 1611-0858-074	EA
0084	00001.000	0232208-3500	LABEL WIRE MARKER DATABS VINYL CLOTH 1286-2208-000	EA
0085	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0089	00001.000	0994454-0001	SPRING,GROUNDING 1680-1454-031	EA
0090	00002.000	0972969-0006	SCREW #6-20 X 1/2 LG THD PL HEX WASHER	EA
0092	AR	0232334-6050	LUBRICANT SILICONE GRS LT GR 2 OZ TUBE 001139-G322L 1.7 OZ T	TU
0095	00000.000	0996158-0003	TRACTOR,PAPER,PREC. PR RT & LF HAND 1225-6158-000	EA
0095A			*ALTERNATE FOR ITEM 107 1225-6158-000	
0097	00001.000	0994444-0001	GROUND LEAD,6 INCH 1225-1444-082	EA
0098	00000.000	0994546-0001	MOTOR ASSY,CARR DR,10 CPI,810/820 0000-0000-000	EA
0098A			*ALTERNATE FOR ITEM 2 0000-0000-000	
0098B			*REQUIRES ITEM 99 0000-0000-000	
0099	00000.000	2210557-0003	CABLE 10-CONDUCTOR	EA

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PART NUMBER REV DESCRIPTION.....
0994183-0001 BD CARR & PAPER DRIVE,810 (REPLACED BY-3)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0099A			*USED WITH ITEM 98	
0100	00009.000	2210084-0033	SEMS, PAN HEAD, SLOTTED, 3/8 LONG SEE TI- DRAWING	EA
0101	00003.000	2211692-0005	SEMS,4-40X.437,PAN HEAD,CONE WASHER SEE TI- DRAWING	EA
0102	00001.000	0972988-0031	SCREW 6-32 X .625 PAN HEAD CRES	EA
0103	00001.000	2211978-0003	SCREW,SEMS,PAN HD.,CAMGRIP SELF-LOCK SEE TI- DRAWING	EA
0104	00002.000	2210084-0014	SEMS,PNH, SLTD, EXT TOOTH 32UNC-2A,.375L	EA
0105	00004.000	2210006-0001	ASSY,HEX NUT,LOCKWASHERS, 4-40 092550-SEE DRAWING	EA
0106	00004.000	2211967-0010	SCREW,CAP,SEMS,HEX-SOCKET HEAD,B.O. SEE TI- DRAWING	EA
0107	00001.000	2220316-0001	TRACTOR,PAIR, .142" DIA PIN,4 TEETH IN SEE TI- DRAWING	PR
0107A			*ITEMS 41 & 55 ARE SEE TI- DRAWING	
0107B			*ALTERNATE SEE TI- DRAWING	
0108	00001.000	0960967-0004	LEAD ELECTRICAL 1225-4967-013	EA
0109	00001.000	0411104-0136	WASHER, LOCK-SPRING, HELICAL, #6 CPL - MS35338-136	EA
9998	00001.000	0239999-9998	COST, AS REQUIRED	EA
9999	00002.000	0239999-9999	COST, SHRINKAGE	EA

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PART NUMBER REV DESCRIPTION.....
0994183-0002 BC CARR & PAPER DRIVE,810 (REPLACED BY -4)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	0994239-0001	CARRIAGE ASSY,PRINT HEAD 0000-0000-000	EA
0002	00001.000	2232582-0002	CARRIAGE MOTOR-ENCODER ASSY,10/16.5 CPI 1225- -000	EA
0002A			*ITEM 98 IS AN ALTERNATE 1225- -000	
0003	00001.000	0994207-0001	MOTOR ASSY,810,PAPER DRIVE 1225-1207-163	EA
0007	00001.000	0994185-0001	SPACER,UPPER 1680-0185-123	EA
0008	00001.000	0994186-0001	SPACER,LOWER REAR 1680-0186-121	EA
0009	00001.000	0994187-0001	SPACER,LOWER FRONT 1680-0187-114	EA
0010	00001.000	0994188-0001	ROD,UPPER GUIDE 1680-0188-000	EA
0011	00001.000	0994189-0001	ROD,LOWER GUIDE,810 1680-0189-123	EA
0012	00001.000	0999724-0001	PLATEN, 810/820/880 1680-2724-500	EA

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PART NUMBER REV DESCRIPTION.....
0994183-0002 8D CARR & PAPER DRIVE,810 (REPLACED BY -4)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0013	00001.000	0994191-0001	CLAMP,WIRE ROPE 1680-0191-055	EA
0014	00001.000	0994194-0001	SUPPORT,IDLER PULLEY 1680-0194-204	EA
0015	00002.000	0994184-0001	SIDE PLATE,DRIVE MECHANISM 1680-4184-061	EA
0016	00001.000	0994195-0001	SPACER,IDLER PULLEY 1680-0195-047	EA
0017	00002.000	0994196-0001	BUMPER,CARRIAGE	EA
0019	00001.000	0994197-0001	BUSHING,GUIDE ROD 1255-0074-030	EA
0020	00001.000	0994198-0001	LEVER,PRINTHEAD ADJUSTMENT 1255-0006-025	EA
0021	00001.000	0994200-0001	CRADLE,MOTOR 1255-0007-023	EA
0022	00001.000	0994201-0001	STRAP,MOTOR 1680-0201-039	EA
0023	00001.000	0994202-0001	NUT,MOTOR STRAP 1680-0202-203	EA
0024	00001.000	0960967-0003	LEAD,ELECTRICAL-GND 1225-3967-071	EA
0026	00001.000	0994172-0001	DRIVE SHAFT,TRACTOR 1680-0072-061	EA
0027	00001.000	0994209-0001	ROD,TRACTOR SUPPORT 1680-0209-090	EA
0028	00001.000	0994173-0001	HUB,PAPER ADVANCE 1255-0001-028	EA
0029	00001.000	0994453-0001	GEAR ASSY, PAPER ADVANCE (810) 1225-1453-000	EA
0030	00002.000	0994175-0001	BEARING,PAPER ADVANCE 1255-0003-030	EA
0031	00001.000	0994210-0001	PAPER GUIDE,PLATEN 1680-0210-088	EA
0032	00001.000	0999725-0001	RETAINER, PAPER-PLATEN 1684-1725-066	EA
0035	00001.000	0994232-0001	SCALE,HEAD GAP 1255-0017-027	EA
0036	00001.000	0994302-0001	SPRING,COMPRESSION-PAPER DRIVE SHAFT	EA
0037	00001.000	0994260-0001	GUIDE,UPPER LEFT-RIBBON 1255-0019-029	EA
0038	00001.000	0994261-0001	GUIDE,LOWER RIGHT-RIBBON 1255-0020-029	EA
0041	00000.000	2210148-0003	PAPER TRACTOR, DATA, PAIR SEE TI- DRAWING	PR
0041A			*ALTERNATE FOR ITEM 107 SEE TI- DRAWING	
0046	00001.000	0994241-0001	PULLEY ASSY,IDLER	EA
0047	00001.000	0994263-0001	SPRING,TENSION WIRE ROPE	EA
0048	00001.000	0994233-0001	WIRE ROPE,DRIVE MECHANISM	EA
0049	00001.000	0972405-0199	BEARING,SLEEVE BRONZE OIL-IMPREGNATED	EA
0051	00001.000	0996169-0001	SWITCH,SENSITIVE 1620-0000-000	EA
0054	00001.000	0411778-0005	RING,RETAINING,EXTERNAL BOWED NAL - 5135-31	EA
0055	00001.000	0416402-4031	RING,RETAINING,EXTERNAL "E"	EA

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PART NUMBER REV DESCRIPTION.....
0994183-0002 BD CARR & PAPER DRIVE,810 (REPLACED BY -4)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0059	00008.000	2220775-0030	SCREW,TAPTITE,6-32X.375 HEX HD SEE TI- DWG	EA
0060	00002.000	0972684-0013	SCREW,THD FRMG,HEX-WSHR HD,6-32X.625LG	EA
0063	00002.000	0972988-0015	SCREW 4-40 X .375 PAN HEAD CRES 1202-5001-000	EA
0065	00002.000	0972988-0018	SCREW 4-40 X .625 PAN HEAD CRES	EA
0078	00001.000	0411104-0138	WASHER, LOCK-SPRING, HELICAL, #10 QPL - MS35338-138	EA
0081	00001.000	0416453-0024	NUT,#10 HEX SMALL PATTERN	EA
0082	00001.000	0411101-0058	LOCKWASHER #6 EXTERNAL TOOTH CRES QPL - MS35335-58	EA
0083	AR	0199594-0001	LUBRICANT-1 OZ. BOTTLE 1611-0058-074	EA
0084	00001.000	0232208-3500	LABEL WIRE MARKER DATABS VINYL CLOTH 1286-2208-000	EA
0085	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0089	00001.000	0994454-0001	SPRING,GROUNDING 1680-1454-031	EA
0090	00002.000	0972969-0006	SCREW #6-20 X 1/2 LG THD PL HEX WASHER	EA
0092	AR	0232334-6050	LUBRICANT SILICONE GRS LT GR 2 OZ TUBE 001139-G322L 1.7 OZ T	TU
0095	00000.000	0996158-0003	TRACTOR,PAPER,PREC. PR RT & LF HAND 1225-6158-000	EA
0095A			*ALTERNATE FOR ITEM 107 1225-6158-000	
0097	00001.000	0994444-0001	GROUND LEAD,6 INCH 1225-1444-082	EA
0098	00000.000	0994546-0002	MOTOR ASSY,CARR DR,10/16.5 CPI,810/820 0000-0000-000	EA
0098A			*ALTERNATE FOR ITEM 2 0000-0000-000	
0098B			*REQUIRES ITEM 99 0000-0000-000	
0099	00000.000	2210557-0002	CABLE,ELEC.,MULTI-COND.,FLAT, 13-360 SEE TI- DRAWING	EA
0099A			*USED WITH ITEM 98 SEE TI- DRAWING	
0100	00009.000	2210084-0033	SEMS, PAN HEAD, SLOTTED, 3/8 LONG SEE TI- DRAWING	EA
0101	00003.000	2211692-0005	SEMS,4-40X.437,PAN HEAD,CONE WASHER SEE TI- DRAWING	EA
0102	00001.000	0972988-0031	SCREW 6-32 X .625 PAN HEAD CRES	EA
0103	00001.000	2211978-0003	SCREW,SEMS,PAN HD.,CAMGRIP SELF-LOCK SEE TI- DRAWING	EA
0104	00002.000	2210084-0014	SEMS,PNH, SLTD, EXT TOOTH 32UNC-2A,.375L	EA
0105	00004.000	2210006-0001	ASSY,HEX NUT,LOCKWASHERS, 4-40 092550-SEE DRAWING	EA
0106	00004.000	2211967-0010	SCREW,CAP,SEMS,HEX-SOCKET HEAD,B.O. SEE TI- DRAWING	EA

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PART NUMBER	REV	DESCRIPTION
0994183-0002	BD	CARR & PAPER DRIVE,810 (REPLACED BY -4)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0107	00001.000	2220316-0001	TRACTOR,PAIR, .142" DIA PIN,4 TEETH IN SEE TI- DRAWING	PR
0107A			*ITEMS 41 & 95 ARE SEE TI- DRAWING	
0107B			*ALTERNATE SEE TI- DRAWING	
0108	00001.000	0960967-0004	LEAD ELECTRICAL 1225-4967-013	EA
0109	00001.000	0411104-0136	WASHER, LOCK-SPRING, HELICAL, #6 CPL - MS35338-136	EA
9998	00001.000	0239999-9998	COST, AS REQUIRED	EA
9999	00002.000	0239999-9999	COST, SHRINKAGE	EA

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PART NUMBER	REV	DESCRIPTION
0994183-0003	BD	CARR & PAPER DRIVE,810 (10 CPI)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0999913-0001	CARRIAGE ASSY, PRINTHEAD,810/820 1225-1913-000	EA
0002	00001.000	2232582-0001	CARRIAGE MOTOR-ENCODER ASSY,10 CPI 1225- -000	EA
0002A			*ITEM 98 IS AN ALTERNATE 1225- -000	
0003	00001.000	0994207-0001	MOTOR ASSY,810,PAPER DRIVE 1225-1207-163	EA
0007	00001.000	0994185-0001	SPACER,UPPER 1680-0185-123	EA
0008	00001.000	0994186-0001	SPACER,LOWER REAR 1680-0186-121	EA
0009	00001.000	0994187-0001	SPACER,LOWER FRONT 1680-0187-114	EA
0010	00001.000	0994490-0001	GUIDE ROD, UPPER 1680-0490-146	EA
0011	00001.000	0994189-0001	ROD,LOWER GUIDE,810 1680-0189-123	EA
0012	00001.000	0999724-0001	PLATEN, 810/820/880 1680-2724-500	EA
0013	00001.000	0994191-0001	CLAMP,WIRE ROPE 1680-0191-055	EA
0014	00001.000	0994194-0001	SUPPORT,IDLER PULLEY 1680-0194-204	EA
0015	00002.000	0994184-0001	SIDE PLATE,DRIVE MECHANISM 1680-4184-061	EA
0016	00001.000	0994195-0001	SPACER,IDLER PULLEY 1680-0195-047	EA
0017	00002.000	0999727-0002	BUMPER,CARRIAGE-LEFT 1255-0051-031	EA
0019	00001.000	0994197-0001	BUSHING,GUIDE ROD 1255-0074-030	EA
0020	00001.000	0994198-0001	LEVER,PRINTHEAD ADJUSTMENT 1255-0006-025	EA
0021	00001.000	0994200-0001	CRADLE,MOTOR 1255-0007-023	EA

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PART NUMBER REV DESCRIPTION.....
0994183-0003 BD CARR & PAPER DRIVE,810 (10 CPI)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0022	00001.000	0994201-0001	STRAP,MOTOR 1680-0201-039	EA
0023	00001.000	0994202-0001	NUT,MOTOR STRAP 1680-0202-203	EA
0024	00001.000	0960967-0003	LEAD,ELECTRICAL-GND 1225-3967-071	EA
0026	00001.000	0994172-0001	DRIVE SHAFT,TRACTOR 1680-0072-061	EA
0027	00001.000	0994209-0001	ROD,TRACTOR SUPPORT 1680-0209-090	EA
0028	00001.000	0994173-0001	HUB,PAPER ADVANCE 1255-0001-028	EA
0029	00001.000	0994453-0001	GEAR ASSY, PAPER ADVANCE (810) 1225-1453-000	EA
0030	00002.000	0994175-0001	BEARING,PAPER ADVANCE 1255-0003-030	EA
0031	00001.000	0994210-0001	PAPER GUIDE,PLATEN 1680-0210-088	EA
0032	00001.000	0999725-0001	RETAINER, PAPER-PLATEN 1684-1725-066	EA
0035	00001.000	0994232-0001	SCALE,HEAD GAP 1255-0017-027	EA
0036	00001.000	0994302-0001	SPRING,COMPRESSION-PAPER DRIVE SHAFT	EA
0037	00001.000	0994260-0001	GUIDE,UPPER LEFT-RIBBON 1255-0019-029	EA
0038	00001.000	0994261-0001	GUIDE,LOWER RIGHT-RIBBON 1255-0020-029	EA
0041	00000.000	2210148-0003	PAPER TRACTOR, DATA, PAIR SEE TI- DRAWING	PR
0041A			*ALTERNATE FOR ITEM 107 SEE TI- DRAWING	
0046	00001.000	0994241-0001	PULLEY ASSY,IDLER	EA
0047	00001.000	0994263-0001	SPRING,TENSION WIRE ROPE	EA
0048	00001.000	0994233-0001	WIRE ROPE,DRIVE MECHANISM	EA
0051	00001.000	0996169-0001	SWITCH,SENSITIVE 1620-0000-000	EA
0054	00001.000	0411778-0005	RING,RETAINING,EXTERNAL BOWED WAL - 5139-31	EA
0055	00001.000	0416402-4031	RING,RETAINING,EXTERNAL "E"	EA
0059	00008.000	2220775-0030	SCREW,TAPTITE,6-32X.375 HEX HD SEE TI- DWG	EA
0060	00002.000	0972684-0013	SCREW,THD FRMG,HEX-WSHR HD,6-32X.625LG	EA
0063	00002.000	0972988-0015	SCREW 4-40 X .375 PAN HEAD CRES 1202-5001-000	EA
0065	00002.000	0972988-0018	SCREW 4-40 X .625 PAN HEAD CRES	EA
0078	00001.000	0411104-0138	WASHER, LOCK-SPRING, HELICAL, #10 QPL - MS35338-138	EA
0081	00001.000	0416453-0024	NUT,#10 HEX SMALL PATTERN	EA
0082	00001.000	0411101-0058	LOCKWASHER #6 EXTERNAL TOOTH CRES QPL - MS35335-58	EA

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PART NUMBER REV DESCRIPTION.....
0994183-0003 BD CARR & PAPER DRIVE,810 (10 CPI)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0084	00001.000	0232208-7000	LABEL 1X3INS RECTL SELF-ADHESIVE 016956-43551	EA
0084A			*P/N 232208-3500 IS AN 016956-43551	
0084B			*ALTERNATE 016956-43551	
0085	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0089	00001.000	0994454-0001	SPRING,GROUNDING 1680-1454-031	EA
0090	00002.000	0972969-0006	SCREW #6-20 X 1/2 LG THD PL HEX WASHER	EA
0091	00001.000	2360001-0001	TAG,BEARING 7690-2000-000	EA
0092	AR	0232334-6050	LUBRICANT SILICONE GRS LT GR 2 OZ TUBE 001139-G322L 1.7 OZ T	TU
0093	00000.000	0994190-0001	PLATEN 1680-0190-000	EA
0094	00000.000	0996596-0043	SCREW 1/4-28 .750 LG CAP,SOCKET HEAD	EA
0095	00000.000	0996158-0003	TRACTOR,PAPER,PREC. PR RT & LF HAND 1225-6158-000	EA
0095A			*ALTERNATE FOR ITEM 107 1225-6158-000	
0097	00001.000	0994444-0001	GROUND LEAD,6 INCH 1225-1444-082	EA
0098	00000.000	0994546-0001	MOTOR ASSY,CARR DR,10 CPI,810/820 0000-0000-000	EA
0098A			*ALTERNATE FOR ITEM 2 0000-0000-000	
0098B			*REQUIRES ITEM 99 0000-0000-000	
0099	00000.000	2210557-0003	CABLE 10-CONDUCTOR	EA
0099A			*USED WITH ITEM 98	
0100	00009.000	2210084-0033	SEMS, PAN HEAD, SLOTTED, 3/8 LONG SEE TI- DRAWING	EA
0101	00003.000	2211692-0005	SEMS,4-40X.437,PAN HEAD,CONE WASHER SEE TI- DRAWING	EA
0102	00001.000	0972988-0031	SCREW 6-32 X .625 PAN HEAD CRES	EA
0103	00001.000	2211978-0003	SCREW,SEMS,PAN HD.,CAMGRIP SELF-LOCK SEE TI- DRAWING	EA
0104	00002.000	2210084-0014	SEMS,PNH, SLTD, EXT TOOTH 32UNC-2A,.375L	EA
0105	00004.000	2210006-0001	ASSY,HEX NUT,LOCKWASHERS, 4-40 092550-SEE DRAWING	EA
0106	00004.000	2211967-0010	SCREW,CAP,SEMS,HEX-SOCKET HEAD,B.O. SEE TI- DRAWING	EA
0107	00001.000	2220316-0001	TRACTOR,PAIR, .142" DIA PIN,4 TEETH IN SEE TI- DRAWING	PR
0107A			*ITEMS 41 & 55 ARE SEE TI- DRAWING	
0107B			*ALTERNATE SEE TI- DRAWING	
0108	00001.000	0960967-0004	LEAD ELECTRICAL 1225-4567-013	EA
0109	00001.000	0411104-0136	WASHER, LOCK-SPRING, HELICAL, #6 CPL - MS35338-136	EA
0112	00001.000	0972988-0029	SCREW 6-32 X .375 PAN HEAD CRES 1208- -000	EA

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PART NUMBER	REV	DESCRIPTION
0994183-0004	BD	CARR & PAPER DRIVE,810 (10/16 CPI)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0999913-0001	CARRIAGE ASSY, PRINTHEAD,810/820 1225-1913-000	EA
0002	00001.000	2232582-0002	CARRIAGE MOTOR-ENCODER ASSY,10/16.5 CPI 1225- -000	EA
0002A			*ITEM 98 IS AN ALTERNATE 1225- -000	
0003	00001.000	0994207-0001	MOTOR ASSY,810,PAPER DRIVE 1225-1207-163	EA
0007	00001.000	0994185-0001	SPACER,UPPER 1680-0185-123	EA
0008	00001.000	0994186-0001	SPACER,LOWER REAR 1680-0186-121	EA
0009	00001.000	0994187-0001	SPACER,LOWER FRONT 1680-0187-114	EA
0010	00001.000	0994490-0001	GUIDE ROD, UPPER 1680-0490-146	EA
0011	00001.000	0994189-0001	ROD,LOWER GUIDE,810 1680-0189-123	EA
0012	00001.000	0999724-0001	PLATEN, 810/820/880 1680-2724-500	EA
0013	00001.000	0994191-0001	CLAMP,WIRE ROPE 1680-0191-055	EA
0014	00001.000	0994194-0001	SUPPORT,IDLER PULLEY 1680-0194-204	EA
0015	00002.000	0994184-0001	SIDE PLATE,DRIVE MECHANISM 1680-4184-001	EA
0016	00001.000	0994195-0001	SPACER,IDLER PULLEY 1680-0195-047	EA
0017	00002.000	0999727-0002	BUMPER,CARRIAGE-LEFT 1255-0051-031	EA
0019	00001.000	0994197-0001	BUSHING,GUIDE ROD 1255-0074-030	EA
0020	00001.000	0994198-0001	LEVER,PRINTHEAD ADJUSTMENT 1255-0006-025	EA
0021	00001.000	0994200-0001	CRADLE,MOTOR 1255-0007-023	EA
0022	00001.000	0994201-0001	STRAP,MOTOR 1680-0201-039	EA
0023	00001.000	0994202-0001	NUT,MOTOR STRAP 1680-0202-203	EA
0024	00001.000	0960967-0003	LEAD,ELECTRICAL-GND 1225-3967-071	EA
0026	00001.000	0994172-0001	DRIVE SHAFT,TRACTOR 1680-0072-061	EA
0027	00001.000	0994209-0001	ROD,TRACTOR SUPPORT 1680-0209-090	EA
0028	00001.000	0994173-0001	HUB,PAPER ADVANCE 1255-0001-028	EA
0029	00001.000	0994453-0001	GEAR ASSY, PAPER ADVANCE (810) 1225-1453-000	EA
0030	00002.000	0994175-0001	BEARING,PAPER ADVANCE 1255-0003-030	EA
0031	00001.000	0994210-0001	PAPER GUIDE,PLATEN 1680-0210-088	EA
0032	00001.000	0999725-0001	RETAINER, PAPER-PLATEN 1684-1725-066	EA
0035	00001.000	0994232-0001	SCALE,HEAD GAP 1255-0017-027	EA
0036	00001.000	0994302-0001	SPRING,COMPRESSION-PAPER DRIVE SHAFT	EA

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PART NUMBER REV DESCRIPTION.....
0994183-0004 BD CARR & PAPER DRIVE,810 (10/16 CPI)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0037	00001.000	0994260-0001	GUIDE,UPPER LEFT-RIBBON 1255-0019-029	EA
0038	00001.000	0994261-0001	GUIDE,LOWER RIGHT-RIBBON 1255-0020-029	EA
0041	00000.000	2210148-0003	PAPER TRACTOR, DATA, PAIR SEE TI- DRAWING	PR
0041A			*ALTERNATE FOR ITEM 107 SEE TI- DRAWING	
0046	00001.000	0994241-0001	PULLEY ASSY,IDLER	EA
0047	00001.000	0994263-0001	SPRING,TENSION WIRE ROPE	EA
0048	00001.000	0994233-0001	WIRE ROPE,DRIVE MECHANISM	EA
0051	00001.000	0996169-0001	SWITCH,SENSITIVE 1620-0000-000	EA
0054	00001.000	0411778-0005	RING,RETAINING,EXTERNAL BOWED WAL - 5139-31	EA
0055	00001.000	0416402-4031	RING,RETAINING,EXTERNAL "E"	EA
0059	00008.000	2220775-0030	SCREW,TAPTITE,6-32X.375 HEX HD SEE TI- DWG	EA
0060	00002.000	0972684-0013	SCREW,THD FRMG,HEX-WSHR HD,6-32X.625LG	EA
0063	00002.000	0972988-0015	SCREW 4-40 X .375 PAN HEAD CRES 1202-5001-000	EA
0065	00002.000	0972988-0018	SCREW 4-40 X .625 PAN HEAD CRES	EA
0078	00001.000	0411104-0138	WASHER, LOCK-SPRING, HELICAL, #10 CPL - MS35338-138	EA
0081	00001.000	0416453-0024	NUT,#10 HEX SMALL PATTERN	EA
0082	00001.000	0411101-0058	LOCKWASHER #6 EXTERNAL TOOTH CRES CPL - MS35335-58	EA
0084	00001.000	0232208-7000	LABEL 1X3INS RECTL SELF-ADHESIVE 016956-43551	EA
0084A			*P/N 232208-3500 IS AN 016956-43551	
0084B			*ALTERNATE 016956-43551	
0085	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0089	00001.000	0994454-0001	SPRING,GROUNDING 1680-1454-031	EA
0090	00002.000	0972969-0006	SCREW #6-20 X 1/2 LG THD PL HEX WASHER	EA
0091	00001.000	2360001-0001	TAG,BEARING 7690-2000-000	EA
0092	AR	0232334-6050	LUBRICANT SILICONE GRS LT GR 2 OZ TUBE 001139-G322L 1.7 OZ T	TU
0093	00000.000	0994190-0001	PLATEN 1680-0190-000	EA
0094	00000.000	0996596-0043	SCREW 1/4-28 .750 LG CAP,SOCKET HEAD	EA
0095	00000.000	0996158-0003	TRACTOR,PAPER,PREC. PR RT & LF HAND 1225-6158-000	EA
0095A			*ALTERNATE FOR ITEM 107 1225-6158-000	
0097	00001.000	0994444-0001	GROUND LEAD,6 INCH 1225-1444-082	EA
0098	00000.000	0994546-0002	MOTOR ASSY,CARR DR,10/16.5 CPI,810/820 0000-0000-000	EA

List of Materials

07/14/84

PART NUMBER 0994183-0004 REV BD DESCRIPTION..... CARR & PAPER DRIVE,810 (10/16 CPI)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0098A			*ALTERNATE FOR ITEM 2	
			0000-0000-000	
0098B			*REQUIRES ITEM 99	
			0000-0000-000	
0099	00000.000	2210557-0002	CABLE,ELEC.,MULTI-COND.,FLAT, 13-360	EA
			SEE TI- DRAWING	
0099A			*USED WITH ITEM 98	
			SEE TI- DRAWING	
0100	00009.000	2210084-0033	SEMS, PAN HEAD, SLOTTED, 3/8 LONG	EA
			SEE TI- DRAWING	
0101	00003.000	2211692-0005	SEMS,4-40X.437,PAN HEAD,CONE WASHER	EA
			SEE TI- DRAWING	
0102	00001.000	0972988-0031	SCREW 6-32 X .625 PAN HEAD CRES	EA
0103	00001.000	2211978-0003	SCREW,SEMS,PAN HD.,CAMGRIP SELF-LOCK	EA
			SEE TI- DRAWING	
0104	00002.000	2210084-0014	SEMS,PNH, SLTD, EXT TCCTH 32UNC-2A,.375L	EA
0105	00004.000	2210006-0001	ASSY,HEX NUT,LOCKWASHERS, 4-40	EA
			092550-SEE DRAWING	
0106	00004.000	2211967-0010	SCREW,CAP,SEMS,HEX-SOCKET HEAD,B.O.	EA
			SEE TI- DRAWING	
0107	00001.000	2220316-0001	TRACTOR,PAIR, .142" DIA PIN,4 TEETH IN	PR
			SEE TI- DRAWING	
0107A			*ITEMS 41 & 95 ARE	
			SEE TI- DRAWING	
0107B			*ALTERNATE	
			SEE TI- DRAWING	
0108	00001.000	0960967-0004	LEAD ELECTRICAL	EA
			1225-4967-013	
0109	00001.000	0411104-0136	WASHER, LOCK-SPRING, HELICAL, #6	EA
			CPL - MS35338-136	
0112	00001.000	0972988-0028	SCREW 6-32 X .375 PAN HEAD CRES	EA
			1208- -000	

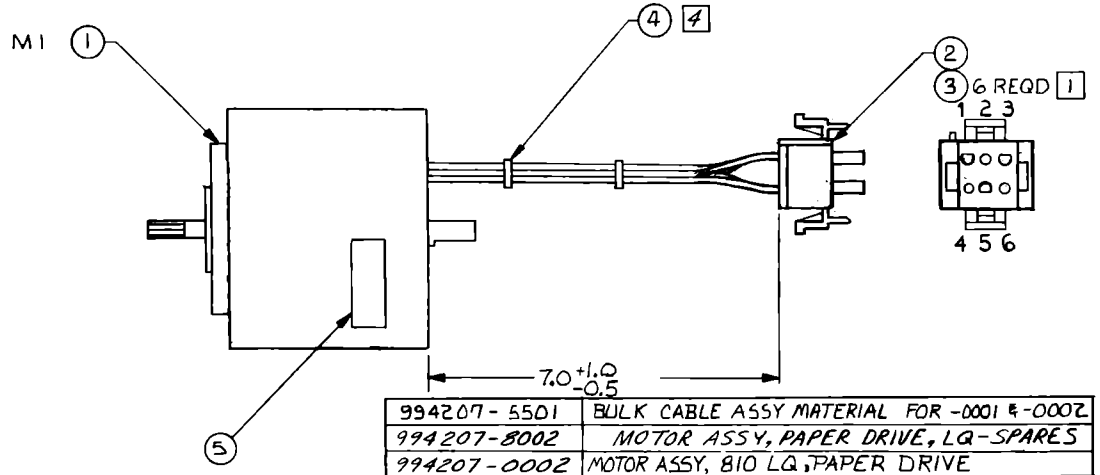
NOTES:

1. STRIP WIRE INSULATION BACK .20 BEFORE INSTALLING ITEM 3
2. ~~SUBSTITUTE LARGER DIAMETER SLEEVING (ITEM 6) WHEN MOTOR WIRING IS TOO LARGE FOR ITEM 4.~~
3. MARK WITH PART NUMBER AND REVISION USING PROCESS 1
4. EQUALLY SPACE TIE DOWNS (ITEM 4) ON CABLE (2 TO 3 INCHES APART)

WIRE NO	DESCRIPTION	SIGNATURE	START	FINISH	REMARKS
1	MOTOR LEAD	PHASE C GND	MI-YEL	P12-4	
2	MOTOR LEAD	PHASE C +	MI-BRN	P12-5	
3	MOTOR LEAD	PHASE B GND	MI-GRN	P12-1	
4	MOTOR LEAD	PHASE B +	MI-RED	P12-2	
5	MOTOR LEAD	PHASE A GND	MI-BLU	P12-6	
6	MOTOR LEAD	PHASE A +	MI-ORN	P12-3	

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
N	CN497553 (D) S. VINSON	11-1-82	
	(1) REVISED PER EXTENSIVE ENGR CHANGES		
P	CN494772 (D) PRINYON	6-23-83	
	1) ADDED -5501 LM (2) ADDED 810 TO TITLES		



PART NUMBER	DESCRIPTION
994207-5501	BULK CABLE ASSY MATERIAL FOR -0001 & -0002
994207-8002	MOTOR ASSY, PAPER DRIVE, LQ-SPARES
994207-0002	MOTOR ASSY, 810 LQ, PAPER DRIVE
994207-0001	MOTOR ASSY, 810, PAPER DRIVE

SEQ NO	IDENT	F-SPEC	NO	ADDITIONAL
	PROCESS		CLASSIFICATION	
1	MARK	909-01	01	COLOR BLK, HGT 0.10

FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 729467

.2 QTY REQD	.1 QTY REQD	ITEM NO	CODE IDENT	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION
				PARTS LIST		

UNLESS OTHERWISE SPECIFIED
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIR
- DIMENSIONAL LIMITS APPLY BEFORE FINISH PROCESSING
- IDENTIFYING NUMBERS SHOWN IN PARENTHESES FOR REFERENCE ONLY
- INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100

HOLE TOLERANCE

.013 THRU .125 ± .004 ± .001	.126 THRU .250 ± .005 ± .001	.251 THRU .500 ± .006 ± .001	
.501 THRU .750 ± .008 ± .001	.751 THRU 1.000 ± .010 ± .001	1.001 THRU 2.000 ± .012 ± .001	

	8754	
994183	8733	
NEXT ASSY	USED ON	
APPLICATION		

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES: ANGLES ± 1° 3 PLACE DECIMALS ± .010 2 PLACE DECIMALS ± .02

		DATE
DWN	R Ausi	5-13-76
CHK	(6)	7/13/76
ENGR		7-20-76
QA		7.20.76
APVD		7/20/76
CONTR NO		7/21/76
DESIGN ACTIVITY RELEASE		7/22/76

TEXAS INSTRUMENTS INCORPORATED
Equipment Group Dallas, Texas

810 PAPER DRIVE, MOTOR ASSY

SIZE	CODE IDENT NO	DRAWING NO
C	96214	994207

SCALE NONE SHEET

994207 C

945

300

LM

List of Materials

01/28/84

PART NUMBER	REV	DESCRIPTION
0994207-0001	P	MOTOR ASSY,810,PAPER DRIVE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994240-0001	MOTOR,STEPPING DRIVE,WITH PINION	EA
0001A			M1	
0002	00001.000	0996009-0005	CONNECTOR HOUSING,MALE PLUG 6 CIRCUITS AMP - 350715-1	EA
0002A			P12 AMP - 350715-1	
0004	00002.000	0418212-0040	STRAP,TIEDOWN,ADJUSTABLE,PLASTIC QPL - MS3367-4-9	EA
0005	00001.000	0232208-3500	LABEL WIRE MARKER DATABS VINYL CLOTH 1286-2208-000	EA
0006	00001.000	0994207-5501	BULK CABLE ASSY MATERIAL FOR -1 & -2 1225-0207-143	EA

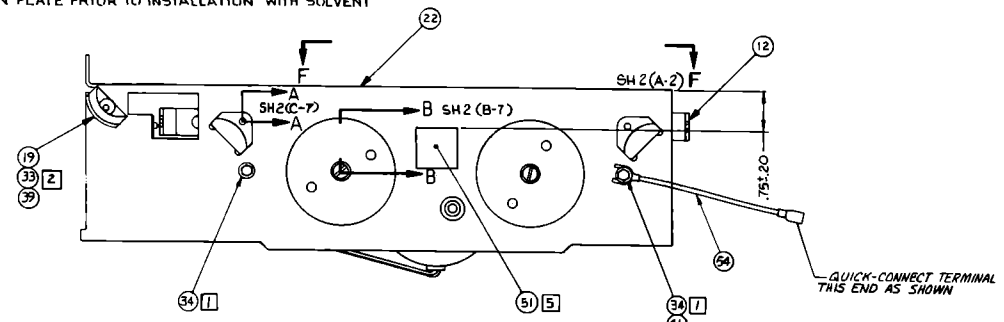
01/28/84

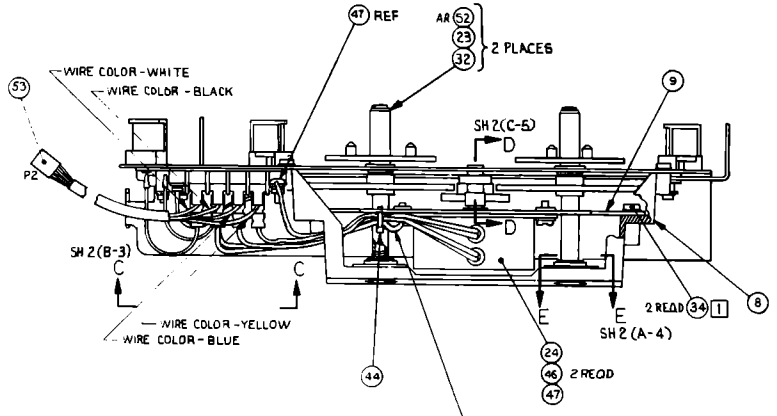
PART NUMBER	REV	DESCRIPTION
0994207-0002	P	MOTOR ASSY,810 LQ, PAPER DRIVE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2360089-0001	MOTOR,STEPPING DRIVE (WITH PINION) SEE TI- DRAWING	EA
0001A			M1 SEE TI- DRAWING	
0002	00001.000	0996009-0005	CONNECTOR HOUSING,MALE PLUG 6 CIRCUITS AMP - 350715-1	EA
0002A			P12 AMP - 350715-1	
0004	00002.000	0418212-0040	STRAP,TIEDOWN,ADJUSTABLE,PLASTIC QPL - MS3367-4-9	EA
0005	00001.000	0232208-3500	LABEL WIRE MARKER DATABS VINYL CLOTH 1286-2208-000	EA
0006	00001.000	0994207-5501	BULK CABLE ASSY MATERIAL FOR -1 & -2 1225-0207-143	EA

NOTES: UNLESS OTHERWISE SPECIFIED:

1. APPLY 16 ± 1 IN-LBS TORQUE ON ITEM 34 AT ASSY
2. APPLY 5.5 ±.5 IN-LBS TORQUE ON ITEM 36 & 33 AT ASSY.
3. MARK ITEM 45 PER PROCESS 1 TO SHOW ASSY NO AND REV AS SHOWN. MARK SITE/DATE CODE AND SERIAL NUMBER ON ITEM 45 PER PROCESS 1 AND PER ITEM 48, PARAGRAPH 3.0
4. ITEM 30 MAYBE INSTALLED FROM EITHER SIDE OF ITEM 22 (SHOP OPTION)
5. CENTER FOAM PAD BETWEEN RIBBON HUBS WITHIN .20, CLEAN PLATE PRIOR TO INSTALLATION WITH SOLVENT
6. INSTALL WITH PRONGS TOWARD END OF STUD





REV STATUS	REV	Y	T
OF SHEETS	SH	1	2

SEQ NO	IDENT	MARK	100-02	21	HEIGHT .12 COLOR BLACK	3
		F SPEC	NO	ADDITIONAL		NOTES
		PROCESS		CLASSIFICATION		

PROCESSES — FOR CORRELATION TO GOVT/IND SPECIFICATIONS SEE TI DRAWING 729487

994291 | 8733
NEXT ASSY | USED ON
APPLICATION

DWG NO 994215 REV 1

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
B	402092(E) 10-19-76 ADDED ITEMS 17,31,38,144 CHANGED ITEMS 18,19,26,27,33,142 CHANGED QTY ITEMS 25,28,37,39,143	11-01-76	
C	W2 #02076(C) ARTHUR CLARK 11/16/76 (1) LM: ITEM 32 QTY WAS 4 ITEM 37 QTY WAS 3 ITEM 39 P/N WAS 411087-0804 ITEM 41 P/N WAS 411104-0136 (2) ADDED ITEMS 46,47 AND REVISE F/D	11/19/76	
	FORMAL RELEASE		
D	408525 (D) 12-1-76 ITEM 45 PART NO. 232208-7000 WAS 232203-7000	12/1/76	
E	423251(C) 1/19/77 ITEM 37 P/N WAS 416622-0013; ITEM 43 P/N WAS 416622-0024	2/5/77	
F	CN 414885 ARTHUR CLARK (1) NOTE [3] WAS "MARK ITEM 45 PER PROCESS 1 AND ITEM 48 AND INSTALL WHERE SHOWN." (2) REVISE VIEW F-F SERIAL NUMBER CALLOUT (3) REVISE MTG HARDWARE STACK UP(ITEM47) AT TB 1(ENCL2,SH2)	4/5/77	
G	CN 423286 CHRIS EBERWINE (1) LM ITEM 27 P/N WAS 996330-0006 (2) ADDED LM ITEM 50 (3) SH2 SECTION E-E ADDED NOTE "CLOSED... ...STUD"	4-21-77	
H	CN 421013 (1) ITEM 33 P/N WAS 972679-8	4-28-77	
J	CN 428049 (1) ADD ITEM 51 (2) ADD NOTE 5	5/18/77	
K	CN 432324(D) (1) LM-DELETED ITEM 50 (2) REVISED SEC B-B SH 2	7/14/77	
L	CN 439140(D) (1) REVISED NOTE 2 AND ITEM 34 CALLOUT (2) ADDED ITEM 52 (3) QTY ITEM 41 WAS 2	7/30/77	
M	CN 438961 (D) (1) ADDED GROUND LEAD (2) LM CHANGE QTY OF ITEM 47 FROM 1 TO 2	9/14/78	
N	CN 438932(D) (1) ADDED ITEM 34 TO F/D & B-5	2/16/78	
P	CN 457256(E) D. STARNES -1 LM ITEM 24 P/N WAS 0994229-0001	10/10/80	
R	CN 472363 (D) (1) ON LM, ADDED ITEM 53	2-20-81	
T	CN 477204(D) (1) ADDED NOTE 6 (2) ON SECTION D-D, ADDED DIM .050 MAX	2-20-81	
U	CN 465621 (D) (1) ON LM QTY OF ITEM 44 WAS 2	3-27-81	
V	CN 477272(D) (1) ITEM 47 QTY WAS 2 (2) ADDED ITEM 54 (3) QUICK-CONNECT TERMINAL ... WAS RING LUG...	3-27-81	
W	CN 477285 (D) M. DURHAM (1) ITEM 44 WAS 0418212-0001	5-11-81	
Y	CN 477229(D) Grant Smith (1) LM - ITEM 46 P/N WAS 0972988-0028; ITEM 41 QTY WAS 3	7/9/81	

PARTS LIST

QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES ANGLES ±1°; 3 PLACE DECIMALS ± .010; 2 PLACE DECIMALS ± .02
- INTERPRET DRAWING PER MIL-D-1000
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIM
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

.013 THRU .129	.001 - .001	.129 THRU .750	.003 - .001
.501 THRU .750	.009 - .001	.751 THRU .750	.010 - .001
.751 THRU 1.000	1.001 THRU 2.000	.012 - .001	

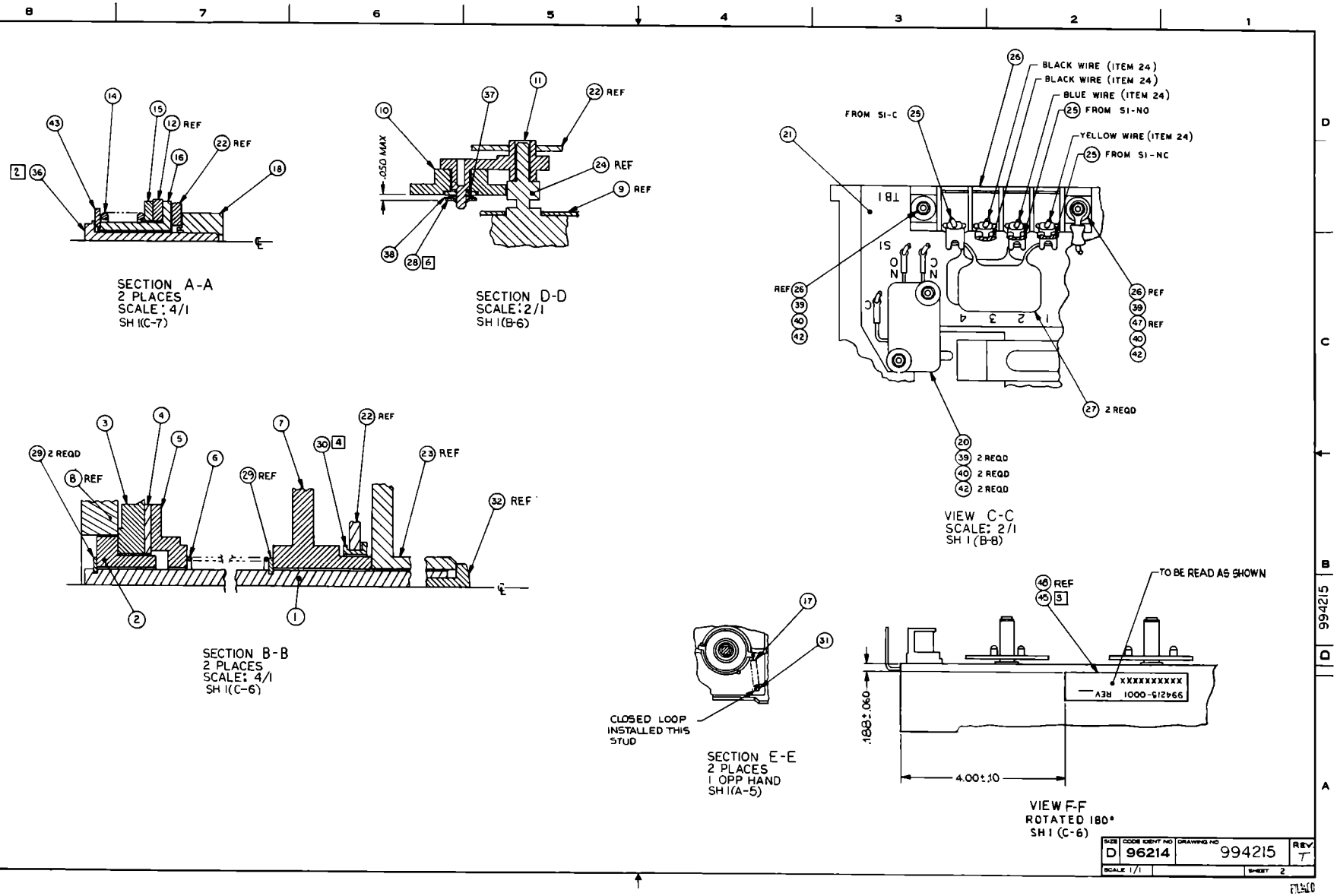
DRAWN 10-6-76
CHECKED 11/19/76
ENGR 2204V 76
PROJ 11/23/76
QUALITY 11/23/76
MFG 11/23/76

TEXAS INSTRUMENTS INCORPORATED Dallas, Texas

RIBBON DRIVE

SIZE D | CAGE NO 96214 | DRAWING NO 994215 | FILMED
SCALE 1/1 | SHEET 1 OF 2

LM


SECTION A-A
2 PLACES
SCALE: 4/1
SH 1(C-7)
SECTION D-D
SCALE: 2/1
SH 1(B-6)
.050 MAX
BLACK WIRE (ITEM 24)
BLACK WIRE (ITEM 24)
BLUE WIRE (ITEM 24)
FROM S1-C
FROM S1-NO
YELLOW WIRE (ITEM 24)
FROM S1-NC
TB1
S1
VIEW C-C
SCALE: 2/1
SH 1 (B-8)
2 REQD
SECTION B-B
2 PLACES
SCALE: 4/1
SH 1(C-6)
CLOSED LOOP
INSTALLED THIS
STUD
SECTION E-E
2 PLACES
1 OPP HAND
SH 1(A-5)
TO BE READ AS SHOWN
.188±.060
4.00±.10
VIEW F-F
ROTATED 180°
SH 1 (C-6)
SIZE D
CODE IDENT NO 96214
DRAWING NO 994215
REV T
SCALE 1/1
SHEET 2

LIST OF MATERIALS

07/15/81

PART NUMBER	REV	DESCRIPTION
0994215-0001	Y	RIBBON DRIVE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00002.000	0994216-0001	SHAFT,DRIVE-RIBBON 1680-0216-000	EA
0002	00002.000	0994217-0001	BEARING,LOWER-RIBBON 1215-4217-000	EA
0003	00002.000	0994218-0001	DISK,FRICTION-RIBBON 1215-0218-016	EA
0004	00002.000	0994219-0001	PAD,FRICTION-RIBBON	EA
0005	00002.000	0994220-0001	HUB,PRESSURE-RIBBON 1215-0220-015	EA
0006	00002.000	0994221-0001	SPRING,COMPRESSION-GEAR DRIVE	EA
0007	00002.000	0994222-0001	GEAR,DRIVE RIBBON 1215-0222-022	EA
0008	00001.000	0994223-0001	CHASSIS,RIBBON DRIVE 1215-4223-014	EA
0009	00001.000	0994224-0001	PLATE,RIBBON MOTOR 1680-0224-000	EA
0010	00001.000	0994225-0001	GEAR,IDLER-REVERSE-MTR 1215-0225-014	EA
0011	00001.000	0994226-0001	ARM,REVERSE-MTR 1215-4226-011	EA
0012	00001.000	0994227-0001	ARM,SHIFT-RIBBON 1680-0227-027	EA
0014	00002.000	0994228-0001	SPRING,COMPRESSION-SHIFT ARM	EA
0015	00002.000	0994230-0001	WASHER,THRUST-SHIFT ARM 1215-0230-014	EA
0016	00002.000	0994285-0001	BEARING,SHIFT ARM 1215-0285-021	EA
0017	00002.000	0994355-0001	SPRING,EXTENSION-RIBBON TAKEUP	EA
0018	00002.000	0994377-0001	GUIDE,RIBBON-SPOOL 1215-0377-015	EA
0019	00001.000	0994378-0001	GUIDE,RIBBON-LOWER LEFT 1215-0378-013	EA
0020	00001.000	0996168-0001	MINIATURE PRECISION SWITCH CEP - E22-00AX	EA
0021	00001.000	0994288-0001	INSULATOR,SWITCH 1680-0288-021	EA
0022	00001.000	0994289-0001	PLATE,TOP 1680-0289-000	EA
0023	00002.000	0994290-0001	HUB,DRIVE-RIBBON 1215-0290-017	EA
0024	00001.000	0996160-0002	MOTOR, SYNCHRONOUS, REVERSIBLE SEE TI- DRAWING	EA
0025	00003.000	0994231-0001	JUMPER ASSY,RIBBON DRIVE 1225-1231-056	EA
0026	00001.000	0996368-0001	TERMINAL BLOCK 075382-#799W/3/4ST	EA
0027	00002.000	0996330-0001	NETWORK 22 OHMS 10% #22 AWG SOLID LEADS	EA
0028	00001.000	0412991-0003	RING #4 PRONGS RETAINING EXTERNAL	EA
0029	00004.000	0416402-4018	RING,RETAINING EXTERNAL "E" MSI -6633-4018	EA
0030	00002.000	0230033-0001	BEARING SNAP-IN NYLON THP -6L1-FF	EA
0031	00002.000	0996342-0001	PIN,GROOVED	EA
0032	00002.000	0972988-0027	SCREW 6-32 X .312 PAN HEAD CRES	EA
0033	00001.000	0972679-0009	SCREW #4-20 X 3/8"LG THD FORM,HEX	EA

LIST OF MATERIALS

07/15/81

PART NUMBER REV DESCRIPTION.....
0994215-0001 Y RIBBON DRIVE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0034	00004.000	0972679-0013	SCREW # 6-19 X 1/2 SLOTTED HEX	EA
0036	00002.000	0972679-0026	SCREW THREAD SLOTTING HEX .750	EA
0037	00001.000	0411027-0806	WASHER,#6 FLAT,CRES,.156 X .375 X .049 QPL - MS15795-806	EA
0038	00001.000	0996277-0001	WASHER,SPRING,#5 ITW - 3502-05-32S	EA
0039	00005.000	0416622-0011	WASHER #4 FLAT QPL - AN960C4L	EA
0040	00004.000	0411104-0135	WASHER, LOCK-SPRING, HELICAL, #4 QPL - MS35338-135	EA
0041	00001.000	0411101-0058	LOCKWASHER #6 EXTERNAL TOOTH CRES QPL - MS35335-58	EA
0042	00004.000	0416453-0021	NUT,PLAIN,4-40 UNC-2B HEX,CRES,SMALL QPL - NAS671-C4	EA
0043	00002.000	0411027-0807	WASHER,#8 FLAT,CRES,.188 X .375 X .049 QPL - MS15795-807	EA
0044	00001.000	0418212-0040	STRAP,TIEDOWN,ADJUSTABLE,PLASTIC QPL - MS3367-4-9	EA
0045	AR	0232208-7000	LABEL 1X3INS RECTL SELF-ADHESIVE DEN -43551	BX
0046	00002.000	2210084-0014	SEMS,PNH, SLTD, EXT TOOTH 32UNC-2A,.375L	EA
0047	00001.000	0960967-0003	LEAD,ELECTRICAL-GND 1225-3967-050	EA
0048	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0049	REF	0994392-9901	ELECTRONIC SCHEMATIC DIAG,POWER SUPPLY	EA
0051	00001.000	0994496-0001	PAD, STATIC GROUND- FOAM	EA
0052	AR	0415804-0005	SEALING COMPOUND,ANAEROBIC-BLUE GRADE C	QT
0053	00001.000	0994309-0001	CABLE ASSY,RIBBON DRIVE 1225-1309-051	EA
0054	00001.000	0994444-0002	GROUND LEAD,4 INCH 1225-2444-007	EA

LIST OF MATERIALS

07/15/81

PART NUMBER	REV	DESCRIPTION
0994215-8001	Y	RIBBON DRIVE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994215-0001	RIBBON DRIVE 1225-1215-107	EA

NOTES: UNLESS OTHERWISE SPECIFIED:

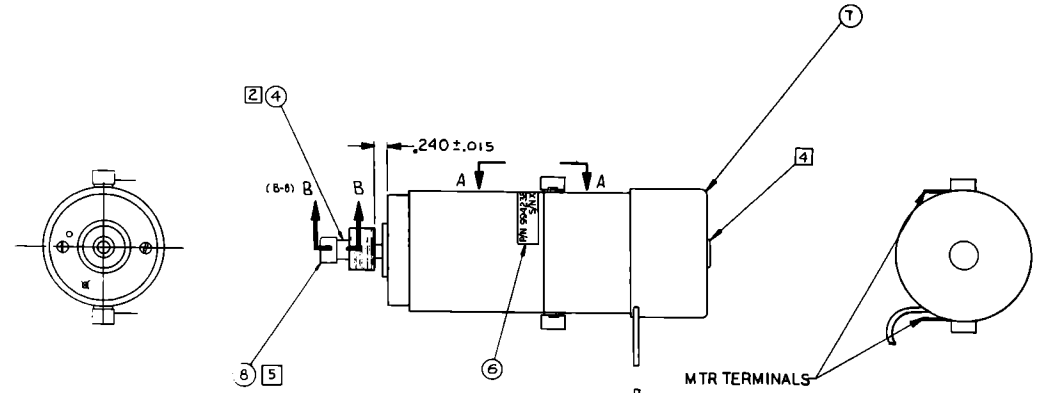
1 MOUNTING HARDWARE PROVIDED WITH ITEM 1 WHEN USED AS ALTERNATE TO ITEM 7

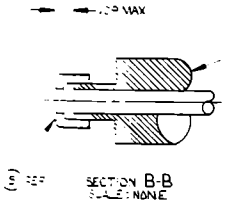
2 ALIGN FLATS ON MTR SHAFT AND CAPSTAN

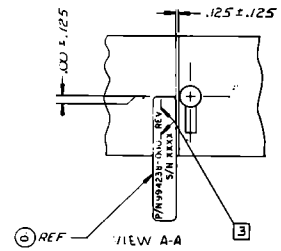
3 MARK ASSY NUMBER AND REV ON ITEM 6 PER PROCESS 1 OR 2. MARK SITE/DATE CODE ON ITEM 6 PER PROCESS 1 OR 2 AND PER ITEM 5, PARAGRAPH 4.0 WHERE SHOWN.

4 REMOVE HOLE PLUG/COVER SO MOTOR SHAFT CAN BE SUPPORTED WHILE INSTALLING CAPSTAN. REPLACE AFTER CAPSTAN INSTALLATION.

5 INSTALL ON CAPSTAN PRIOR TO INSTALLING CAPSTAN ON MOTOR







(LABEL SHOWN BEFORE INSTALLATION)
SCALE: NONE

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	416975(C) Linda Reese LM-0001 DELETED ITEMS 1,2,5&7,9,11 THRU 17 & 19 ADDED ITEM 1 (P/N 996336-1, QTY 1) LM-0002 DELETED ITEMS 1,2,5, THRU 19 ADDED ITEM 1 (P/N 996336-1, QTY 1)	10-15-76	
	FORMAL RELEASE		
D	CN414887 Linda Reese NOTE 3 WAS MARK PER ITEM 5 AND PROCESS 1 WHERE SHOWN	1/7/77	
E	CN421017 C. Edelmann 1) ADDED REFERENCES TO ITEM 6 IN NOTE 3 2) ADDED ITEM 6 TO LM	3-22-77	
F	CN424044 Linda Reese (1) ITEMS 1 & 3 QTY WAS 1 (2) ADD ITEMS 1A,B,C & 3A,B,C (3) ADD ITEM 7 (4) ADD TO NOTE 1---WHEN USED---ITEM 7 (5) F/D REPLACED ITEMS 1 & 3 WITH ITEM 7	7-18-77	
G	CN439792 (C) R. Coleman (1) ADDED -3 & -4 TO LM AND F/D	6/1/78	
H	CN437156 (D) J. BAIZA (1) ADDED BOSS CAP TO CAPSTAN (2) ADDED NOTE 5 (3) CHANGE .240±.010 TO .240±.015 (4) ADDED ITEM 8 TO ALL L/M'S -0001 THRU -0004	8/16/78	
J	CN445476 (B) R. Coleman (1) ADDED ITEM 9 TO -3 AND -4 (2) ADDED ITEM 9 TO F/D + REL DIMS	10/31/78	
K	CN439544 (C) R. Coleman (1) ADDED VIEW A (2) REV NOTE 3 (3) ADDED PROC 2, AND DELETED "OR WHT" FROM PROCESS 1	11/20/78	
L	CN457941 (D) M. Weber (1) DELETED ITEM 9 ON ALL LM'S (2) ADDED SECTION B-B	9/21/79	
M	CN477255 (D) J. Higgins-Lehman (1) ON	3-13-81	
	ALL DASH NO.S: ITEM 6 WAS 232208-7000		

PART NUMBER	DESCRIPTION
994238-0004	CARRIAGE DRIVE MOTOR ASSY 10 & 16.5 CPI (820)
994238-0003	CARRIAGE DRIVE MOTOR ASSY 10 CPI (820)
994238-0002	CARRIAGE DRIVE MOTOR ASSEMBLY -10 & 16.5 CPI
994238-0001	CARRIAGE DRIVE MOTOR ASSEMBLY -10 CPI

PARTS LIST				
QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION
		999689	8740	
		994183	8733	
		NEXT ASSY	USED ON	
		APPLICATION		

WORK	100-02	21	HEIGHT .10, COLOR BLK
WORK	100-02	21	HEIGHT .12, COLOR BLK
REV LTR	IDENT NUMBER	NO	ADDITIONAL
	PROCESS		CLASSIFICATION

PROPRIETARY — FOR CORRELATION TO GOVT IND SPECIFICATIONS, SEE TI DRAWING 729467

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES: ANGLES ±1°; 3 PLACE DECIMALS ± .010; 2 PLACE DECIMALS ± .02
- INTERPRET DRAWING PER MIL-D-22310
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIM
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

.013 THRU .125 : .004	.126 THRU .500 : .005	.751 THRU 1.000 : .007	
.126 THRU .250 : .001	.251 THRU .500 : .001	.501 THRU .750 : .008	.751 THRU 1.000 : .001
1.001 THRU 2.000 : .012	2.001 THRU 3.000 : .001		

DSN: Chas Allen 10/13/76
CHK: 22 OCT 76
ENGR: 10/22/76
PROD: 11/4/76
QA: 11-4-76
CONTR: Chas Allen 11/23/76

TEXAS INSTRUMENTS INCORPORATED, Dallas, Texas

MOTOR ASSY, CARRIAGE DRIVE

SIZE D | FSCM NO 96214 | DRAWING NO 994238 | FILMED

SCALE 1/1 | SHEET

LM

LIST OF MATERIALS

07/15/81

PART NUMBER	REV	DESCRIPTION.....
0994238-0001	M	CARRIAGE DRIVE MOTOR ASSY -10 CPL

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00000.000	0996336-0001	ENCODER,SHAFT	EA
0001A			ITEM 1 CAN BE USED WITH	
0001B			ITEM 3 AS AN ALTERNATE TO	
0001C			ITEM 7	
0003	00000.000	0994206-0001	MOTOR-D.C. SERVO 25 AMPERES ELR - 7-1417	EA
0003A			ITEM 3 CAN BE USED WITH - ELR - 7-1417	
0003B			ITEM 1 AS AN ALTERNATE TO ELR - 7-1417	
0003C			ITEM 7 ELR - 7-1417	
0004	00001.000	0994177-0001	CAPSTAN,MOTOR 1215-0177-021	EA
0005	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0006	00001.000	0232208-3500	LABEL WIRE MARKER DATABS VINYL CLOTH 1286-2208-000	SH
0007	00001.000	0994437-0001	ENCODER/MOTOR ASSEMBLY	EA
0008	00001.000	2210037-0001	FASTENER, PLASTIC BOSS CAPSYS-GTC204-213	EA

07/15/81

PART NUMBER	REV	DESCRIPTION.....
0994238-0002	M	CARRIAGE DRIVE MOTOR ASSY -10 & 16.5 CPI

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00000.000	0996336-0002	ENCODER,SHAFT	EA
0001A			ITEM 1 CAN BE USED WITH	
0001B			ITEM 3 AS AN ALTERNATE TO	
0001C			ITEM 7	
0003	00000.000	0994206-0001	MOTOR-D.C. SERVO 25 AMPERES ELR - 7-1417	EA
0003A			ITEM 3 CAN BE USED WITH - ELR - 7-1417	
0003B			ITEM 1 AS AN ALTERNATE TO ELR - 7-1417	
0003C			ITEM 7 ELR - 7-1417	
0004	00001.000	0994177-0001	CAPSTAN,MOTOR 1215-0177-021	EA
0005	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0006	AR	0232208-7000	LABEL 1X3INS RECTL SELF-ADHESIVE DEN -43551	BX
0007	00001.000	0994437-0002	ENCODER/MOTOR ASSEMBLY	EA
0008	00001.000	2210037-0001	FASTENER, PLASTIC BOSS CAPSYS-GTC204-213	EA

LIST OF MATERIALS

07/15/81

PART NUMBER	REV	DESCRIPTION
0994238-0003	M	CARRIAGE DRIVE MOTOR ASSY-10 CPI (820)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00000.000	0996336-0003	ENCODER,SHAFT TWO QDRTR AT 288 PUL P/REV 001255-	EA
0001A			ITEM 1 CAN BE USED WITH 001255-	
0001B			ITEM 3 AS AN ALTERNATE TO 001255-	
0001C			ITEM 7 001255-	
0003	00000.000	0994206-0001	MOTOR-D.C. SERVO 25 AMPERES ELR - 7-1417	EA
0003A			ITEM 3 CAN BE USED WITH ELR - 7-1417	
0003B			ITEM 1 AS AN ALTERNATE TO ELR - 7-1417	
0003C			ITEM 7 ELR - 7-1417	
0004	00001.000	0994177-0001	CAPSTAN,MOTOR 1215-0177-021	EA
0005	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0006	00001.000	0232208-3500	LABEL WIRE MARKER DATABS VINYL CLOTH 1286-2208-000	SH
0007	00001.000	0994437-0003	ENCODER/MOTOR ASSEMBLY-19.0"CA LG	EA
0008	00001.000	2210037-0001	FASTENER, PLASTIC BOSS CAPSYS-GTC204-213	EA

07/15/81

PART NUMBER	REV	DESCRIPTION
0994238-0004	M	CARRIAGE DR MOTOR ASSY 10&16.5CPI(820)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00000.000	0996336-0004	ENCODER,SHAFT FOUR QDRTR,2/288 2/475 PUL 001255-	EA
0001A			ITEM 3 CAN BE USED WITH 001255-	
0001B			ITEM 1 AS AN ALTERNATE TO 001255-	
0001C			ITEM 7 001255-	
0003	00000.000	0994206-0001	MOTOR-D.C. SERVO 25 AMPERES ELR - 7-1417	EA
0003A			ITEM 3 CAN BE USED WITH ELR - 7-1417	
0003B			ITEM 1 AS AN ALTERNATE TO ELR - 7-1417	
0003C			ITEM 7 ELR - 7-1417	
0004	00001.000	0994177-0001	CAPSTAN,MOTOR 1215-0177-021	EA
0005	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0006	00001.000	0232208-3500	LABEL WIRE MARKER DATABS VINYL CLOTH 1286-2208-000	SH
0007	00001.000	0994437-0004	ENCODER/MOTOR ASSEMBLY-19.0"CA LG	EA
0008	00001.000	2210037-0001	FASTENER, PLASTIC BOSS CAPSYS-GTC204-213	EA

LIST OF MATERIALS

07/15/81

PART NUMBER	REV	DESCRIPTION
0994238-8001	M	MOTOR ASSY,CARRIAGE DRIVE #1 MC810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994238-0001	CARRIAGE DRIVE MOTOR ASSY -10 CPL 1225-1238-000	EA

07/15/81

PART NUMBER	REV	DESCRIPTION
0994238-8002	M	MOTOR ASSY,CARRIAGE DRIVE #2 MC810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994238-0002	CARRIAGE DRIVE MOTOR ASSY -10 & 16.5 CPI 1225-2238-000	EA

07/15/81

PART NUMBER	REV	DESCRIPTION
0994238-8003	M	CARRIAGE DRIVE MOTOR ASSY-10 CPI (820)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994238-0003	CARRIAGE DRIVE MOTOR ASSY-10 CPI (820) 1221-3238-000	EA

07/15/81

PART NUMBER	REV	DESCRIPTION
0994238-8004	M	CARRIAGE DR MOTOR ASSY 10+16.5CPI(820)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994238-0004	CARRIAGE DR MOTOR ASSY 10&16.5CPI(820) 1221-4238-000	EA

994244 1

NOTES: UNLESS OTHERWISE SPECIFIED
1. MAX. LEAD LENGTH TO BE .080 FROM CONDUCTOR SIDE OF BOARD
2. DO NOT SOLDER ON COMPONENT SIDE
3. INSTALL EJECTORS (ITEM 64 (65)) AFTER PROCESS 2.
4. MASK ALL CONN FINGERS ON BOTH SIDES OF BOARD WHEN SOLDERING TO PREVENT SOLDER FROM WICKING DOWN CONN FINGERS
5. ALTERNATE METHOD FOR NOTE 22. MARK ASSEMBLY DATE CODE IN LOCATION SHOWN PER PROCESS 1 AND ITEM 73
6. ALTERNATE METHOD FOR NOTE 22. MARK APPROPRIATE REVISION LETTER IN LOCATION SHOWN PER PROCESS 1 AND REVISION LEVEL BLOCK
7. TO ENABLE RECOGNITION OF DELETE CHARACTER (DEL) JUMPER E2 TO E3. TO DISABLE RECOGNITION OF DELETE CHARACTER, JUMPER E1 TO E2 (OPT)
8. FOR DTR = "ON LINE" JUMPER E4 TO E5 (STD) FOR DTR = "ON LINE" AND "NOT BUSY" JUMPER E5 TO E6 (OPT)
9. ~~INSTALL STIFFENER & INSULATOR (ITEM 68 & 69) AFTER PROCESS 2~~
10. CLINCH LUGS OF BATTERY RETAINER (ITEM 72) BEFORE PROCESS 2
11. ~~MASH STIFFENER MOUNTING HOLES (5 PLACES) WHEN SOLDERING TO PREVENT SOLDER FROM WICKING THROUGH HOLES~~
12. INSTALL ONLY IF REVISION LEVEL OF PWB (ITEM 1) IS 'D' OR GREATER
13. FOR NORMAL REVERSE CHANNEL JUMPER E5 TO E6 (STD). FOR INVERTED REVERSE CHANNEL JUMPER E7 TO E5 (OPT). IF REVISION LEVEL OF PWB (ITEM 1) IS 'C' OR LOWER SEE DRAWING # 994246-0001 TO PROVIDE INVERTED REVERSE CHANNEL OPTION.
14. U35 IS A 14 PIN NETWORK ON -0001 ASSEMBLY
15. REFERENCE TO RMR (FOR REV N AND LOWER): INSTALL U11 (ITEM 9, SN7404) IN SOCKET WITH ALL PINS. PINS 2 AND 6 OF U11 WILL BE CUT WHEN THE LBE LBP OR LBT OPTION IS INSTALLED
16. ASSEMBLY 994244-002 ONLY: JUMPER E10 TO E11 AND E13 TO E14 (STD.) JUMPER E11 TO E12 AND E13 TO E15 FOR INTERFACE OPTIONS LBE, LBT AND LBP (OPT.).
17. ITEM 75 CONSISTS OF COMPONENTS WHICH ARE AUTO-INSERTED AND ARE CONTAINED IN THE -5000 SERIES LMS
18. TO ENABLE RECOGNITION OF DC1, DC3 CHARACTERS, JUMPER E17 TO E18. TO DISABLE RECOGNITION OF DC1, DC3 CHARACTERS, JUMPER E17 TO E16
19. ALL ASSEMBLIES MARKED REV W/AA ARE ACTUALLY REV Y
20. ON REV AJ ASSEMBLIES, A 5.6V, 1% ZENER DIODE (972460-6007)(CR3 ON LOGIC DIAGRAM) WAS INSTALLED AT LOCATION R7 WITH ITS CATHODE FACING U46, AND A 180 OHM, 5%, .5W RESISTOR (972947-0047)(R7 ON LOGIC DIAGRAM) WAS INSTALLED AT LOCATION CR3.
21. JUMPERS E25 THRU E27 AND E28 THRU E30 ARE FOR FUTURE USE. THE NORMAL POSITION OF THESE JUMPERS ARE E25 TO E26 AND E28 TO E29
22. LOCATE LABEL IN TOP CENTER OF PCB IN APPROXIMATE LOCATION INDICATED

994244-8002	PROCESSOR, 810 (SPARE)
994244-8001	PROCESSOR, 810; REPLACED BY -8002
994244-5502	SEQUENCE TAPE FOR -5002
17 994244-5002	AUTO-INSERTED PARTS LIST FOR 994244-0002
15 994244-0002	PROCESSOR, 810
994244-0001	PROCESSOR, 810 REPLACED BY -0002
PART NO	DESCRIPTION

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
V	CN432329 R. Cook REVISE NOTE 15 WAS ··· FOR REV P···	6/20/78	
W	CN 437110 Joe John Pino 1) LM-1-2 ITEM 56 WAS PN 917177-0182 2) LM-5002 ADDED ITEM 10	10/30/78	
Y	CN 438905 A Sepulveda 1) LM ITEM 53-1 WAS QTY 42 P/N 972759-21 2) LM ITEM 53-2 WAS QTY 6 P/N 972759-21 3) LM ITEM 7-5002 WAS QTY 36 P/N 972759-21	11-28-78	
AA	CN 434157 Wm Chandler 1.)-2, ITEM 5 WAS PN 996488-1 2.) ITEM 61 QTY WAS 5 3.) ADDED NOTE 18		
AB	CN 438898 C Brown 1) LM-0002 DELETED ITEMS 7 THRU 21, ITEMS 23 THRU 34, ITEMS 40 THRU 44, ITEM 36 AND ITEM 45, 2) LM-0002 ITEM 22 WAS QTY 2, ITEM 53 QTY WAS 6, 3) LM-0002 ADDED ITEM 76 4) LM-5002 ITEM 7 QTY WAS 36, ITEM 3 QTY WAS 4, 5) LM-5002 ADDED ITEM 11 THRU 43 AND ADDED ITEMS 44 & 45; 6) ADDED NOTE 19	4-30-79	
AC	CN439010 C Brown 1) LM-0002 ITEM 76 WAS QTY 1 (2) LM-5002 ITEM 3 WAS QTY 3	5-4-79	D. Stamm
AD	CN438047 REKHA SETH 1) LM-5002 ITEM 15 QUANTITY WAS 2 (2) LM-5002 ITEM 15A WAS U12, U13 (3) LM-5002 ADDED ITEM NO. 46, 47, 48	6-28-79	D. Stamm
AE	CN 439080 P.McCormick 8-3-79 1.) LM-5002 DELETE ITEM 47 P/N WAS 972763-1 QTY 1 2.) DELETE ITEM 48 P/N WAS 972757-41 QTY 1 3.) ADD ITEM 77 QTY 2 4.) LM-2 ITEM 77 QTY WAS 4 LM-2 ADD ITEMS 47, 48, 49, AND 50	8/21/79	
AF	CN 438854 REKHA SETH 1) LM 2 ITEM 56 P/N WAS 539544-9, ITEM 57 P/N WAS 539544-7, ITEM 58 P/N WAS 972100-2, ITEM 59 P/N WAS 539544-10	9/26/79	
AG	CN439049 REKHA SETH LM-5002 ADDED ITEM 78	10/23/79	D. Stamm
AH	CN438823 1)-5002 LM ONLY IT 26 QTY WAS 6, DEL U30. (2)-5002 LM ONLY ADD IT 79 & 80	10/23/79	D. Stamm
AJ	CN454927 (C) Pat Edwards 1. ADDED NOTE 20. 2. ADDED FLAG NOTE 20 CALLOUT SH2 Z D-5.	12/3/79	
AK	CN433688 (E) Pat Edwards 1) ADDED FLAG NOTE 21. 2)-2 LM; QTY OF IT 61 WAS 4, 61A WAS E1-E24. 3.)-2 LM; QTY OF IT 63 WAS 24, 63A WAS E1-E24. 4)-5002 LM; QTY IT. 5 WAS 4, 5A ADDED CR6. 5.) -5002 LM; QTY IT. 7 WAS 26, 7C DELETE C50. 6.)-5002 LM; QTY IT 32 WAS 2, 32A ADDED U79. 7.)-5002 LM: DELETE IT 80-2210083-4, QTY 8.	12/3/79	
AL	CN 465640 (D) LARRY 1) LM-5002 ITEM 5 QTY WAS 5 2) DELETE IT 6 WAS P/N 972460-6 QTY 1 3) ITEM 3 QTY WAS 2	12/17/79	
AM	CN457290 (C) 1) REVISE PER EXTENSIVE ENG CHANGE UPDATED PER E.C.P. ALK.	3/22/80	
AN	CN465640 (E) A. Nadal (1) REVISED PER EXTENSIVE ENG CHANGES	3-24-81	
AP	CN439015 (D) (1) REV LM PER EXTENSIVE ENG CHANGES (2) ADDED R12, C58 R-5 AND R-4 TO SH 2 Z C-7	11-23-81	

REV CONT ON SH 3

REV STATUS	REV	AP	AA	AB
OF SHEETS	SH	1	2	3

PWB	V	V	V	V	V										
DIAG 994247	R	R	R	R	R										
DIAG 994242	G	G	G	G	G										
ASSY	BB	BC	BD	BE	BF										
PWB	K	K	K	K	K	L	M	P	R	U	U	U	U	V	V
DIAGRAM (994247)	E	F	F	F	H	J	K	L	L	M	N	N	N	R	R
DIAGRAM (994242)	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
ASSEMBLY	AD	AE	AF	AG	AH	AJ	AK	AL	AM	AN	AP	AT	AU	AW	AY

994293 8758
994292 8758
HEXY ASSY USED ON
APPLICATION

ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES
PARTS LIST				

REV	ECO	PART NO	NOTES	REVISION LEVEL	PROCESS	CLASSIFICATION
3	8L8R	127-01	00			
2	8L8R	124-02	00			
1	MARR	100-02	21		IDENT F-SPEC	NO ADDITIONAL

HEIGHT: .06; COLOR: BLACK

PROCESSES — PER COMPILATION TO GOVT/IND SPECIFICATIONS. SEE TI DRAWING 7296B7

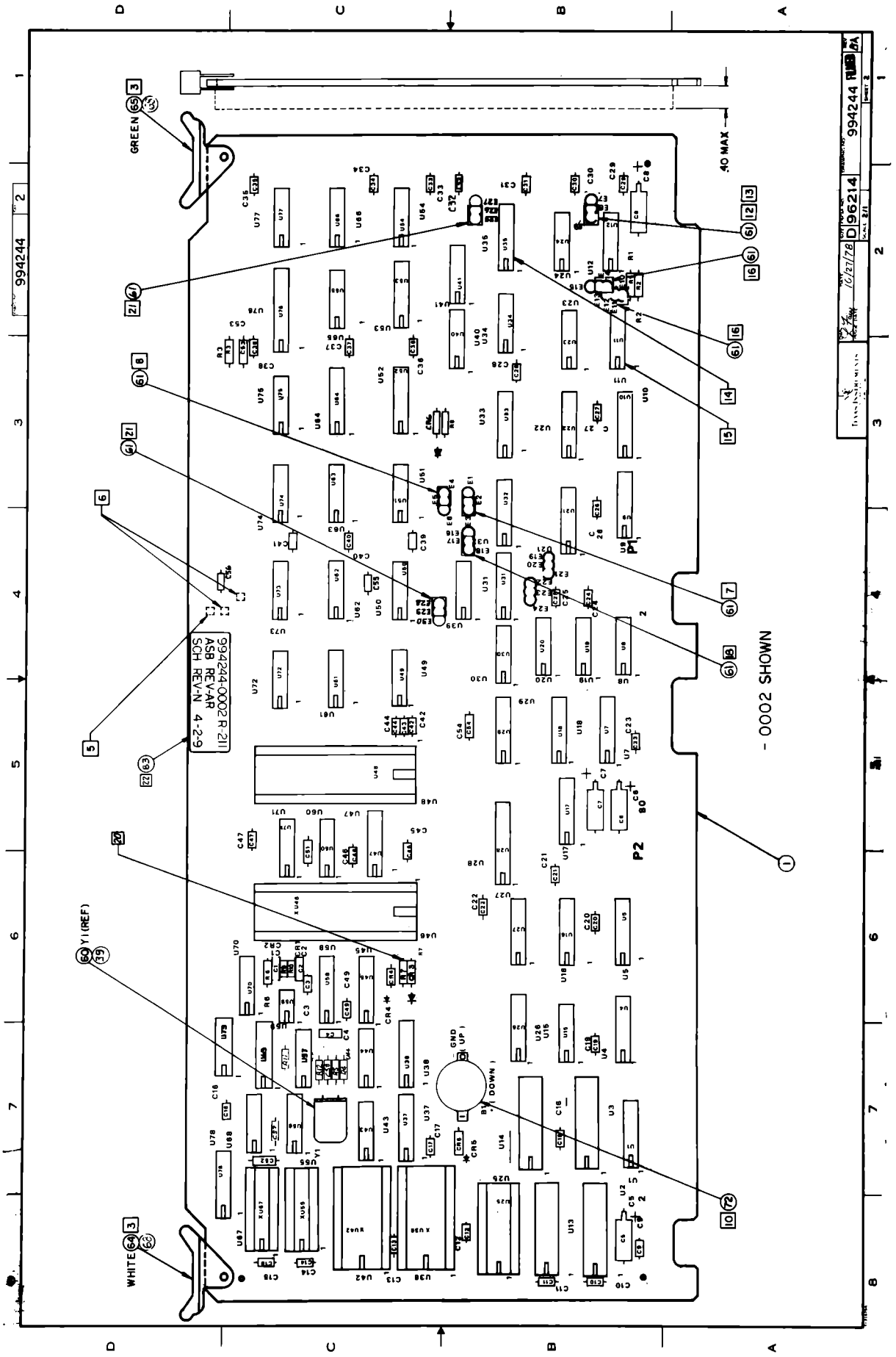
Texas Instruments INCORPORATED Dallas, Texas

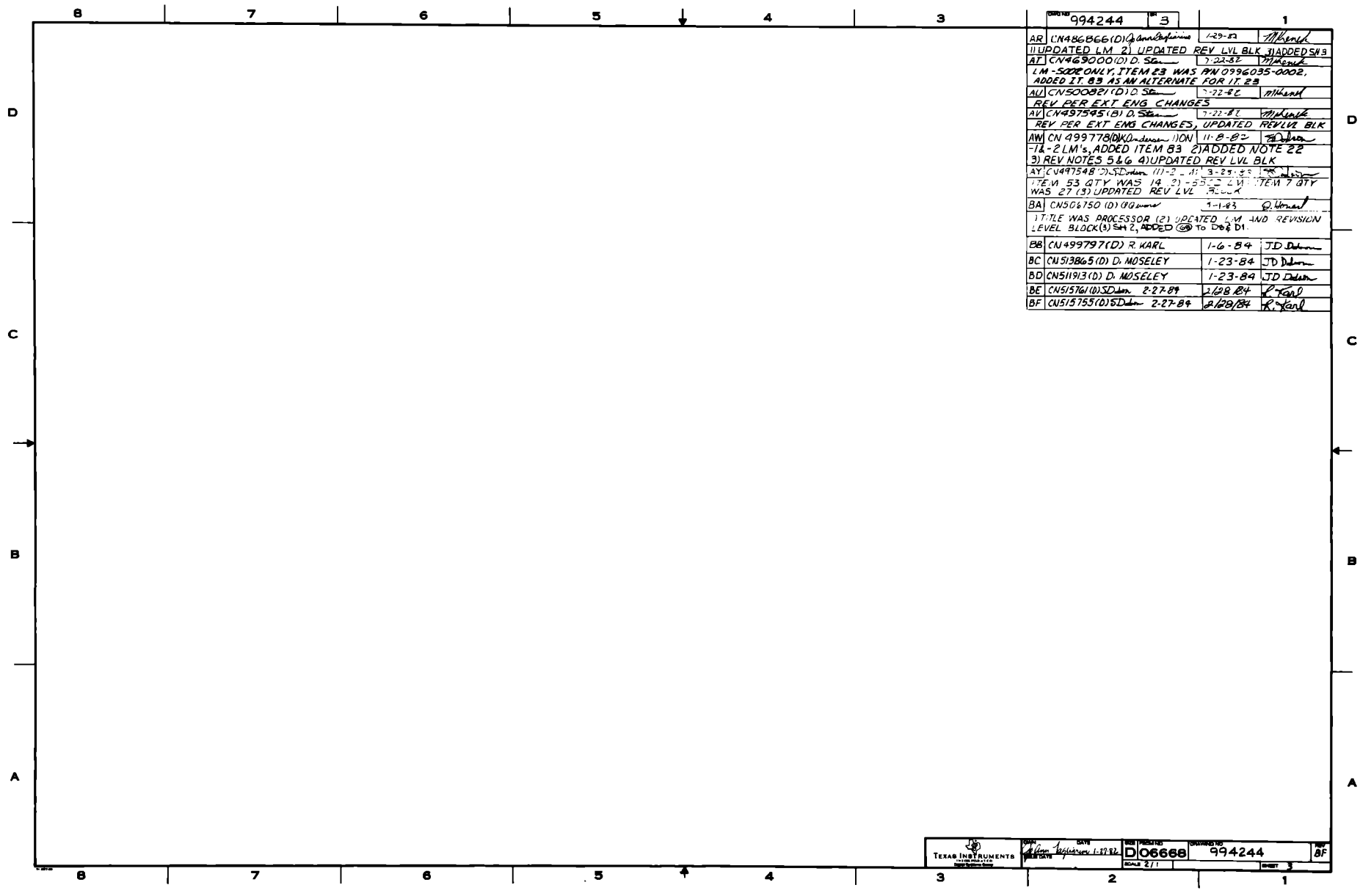
PROCESSOR, 810

SIZE D 96214 994244

SCALE 10 SHEET 1 OF 3

4 820 LM


994244-0002 R-211
ASB REV-AR
SCH REV-N 4-2-9
- 0002 SHOWN
GREEN
WHITE
Y1 (REF)
40 MAX
P1
P2
994244
D96214
10/27/78


994244 SH 3
AR CN486866(D) Ann Stefanic 1-29-82 M Kenck
1) UPDATED LM 2) UPDATED REV LVL BLK 3) ADDED SH 3
AT CN469000(D) D. Ste 7-22-82 M Kenck
LM-5208 ONLY, ITEM 23 WAS P/N 0996035-0002, ADDED IT. 83 AS AN ALTERNATE FOR IT. 23
AU CN500821(D) D Ste 7-22-82 M Kenck
REV PER EXT ENG CHANGES
AV CN497545(B) D. Ste 7-22-82 M Kenck
REV PER EXT ENG CHANGES, UPDATED REV LVL BLK
AW CN 499778(D) K Anderson 11-8-82
-1&-2 LM's, ADDED ITEM 83 2) ADDED NOTE 22
3) REV NOTES 5&6 4) UPDATED REV LVL BLK
AY CN497548(D) SDolan 11-2 3-29
ITEM 53 QTY WAS 14 2) -55 LM ITEM 7 QTY WAS 27 (3) UPDATED REV LVL
BA CN506750 (D) DG more 1-1-83
TITLE WAS PROCESSOR (2) UPDATED LM AND REVISION LEVEL BLOCK (3) SH 2, ADDED (68) TO DOC D1.
BB CN499797(D) R. KARL 1-6-84 JD Dolan
BC CN513865(D) D. MOSELEY 1-23-84 JD Dolan
BD CN511913(D) D. MOSELEY 1-23-84 JD Dolan
BE CN515761(D) SDolan 2-27-84 2/28/84 R Karl
BF CN515755(D) SDolan 2-27-84 2/28/84 R. Karl
TEXAS INSTRUMENTS
D06668
994244
BF
SCALE 2/1
SHEET 3
8 7 6 5 4 3 2 1
D C B A

List of Materials

05/12/84

PART NUMBER REV DESCRIPTION.....
0994244-0002 DF PROCESSOR, 810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0002	00001.000	0944472-0001	NETWORK,TMS-8080 MICRO PROCESSOR 1208- -000	EA
0002A			U46 1208- -000	
0003	00001.000	0972469-0001	NETWORK,I/O AND TIMER DEVICE (TMS.5501) TI- -TMS5501	EA
0003A			U48 TI- -TMS5501	
0004	00004.000	0996203-0002	IC,S 5101L-1 1024BIT(256 X 4)ST CMOS RAM 034649-S5101L-1	EA
0004A			U2,U3,U13,U14 034649-S5101L-1	
0005	00001.000	0996488-0002	IC, 4096 X 8 BIT ROM, ZA 3201 001295-SEE TI DWG	EA
0005A			U36 001295-SEE TI DWG	
0022	00001.000	0972500-7400	NETWORK SN74LS00N 1233-7564-000	EA
0022A			U49 1233-7564-000	
0039	00001.000	2211540-0001	FOAM, .35X.50X.05,POLY, ADHESIVE BACKED SEE TI- DRAWING	EA
0051	00002.000	0972929-0376	CAP FIX CERAMIC 68.0 PF 10 % 200 V CPL -M39014/01-1376	EA
0051A			C1,C2 CPL -M39014/01-1376	
0052	00001.000	0972929-0379	CAP FIX CERAMIC 100 PF 10 % 200 V CPL -M39014/01-1379	EA
0052A			C4 CPL -M39014/01-1379	
0053	00015.000	0972763-0021	CAP.,FIXED,AXIAL LEAD,.047 UF,+80%,-20% 1632-0000-000	EA
0053A			C9,C10,C11,C14,C15,C17,C24 1632-0000-000	
0053B			C25,C28,C29,C36,C37,C39,C40 1632-0000-000	
0053C			C41 1632-0000-000	
0054	00002.000	0972924-0006	CAP FIX TANT SOLID 39 UFD 10% 10 VOLT CPL -M39003/1-2259	EA
0054A			C5,C8 CPL -M39003/1-2259	
0056	00001.000	2210188-0009	SOCKET, LOW PROFILE, DIP, 40 PINS 003612-DILB40P-108	EA
0056A			XU48 003612-DILB40P-108	
0057	00002.000	2210188-0007	SOCKET, LOW PROFILE, DIP, 24 PINS 003612-DILB24P-108	EA
0057A			XU36,XU42 003612-DILB24P-108	
0058	00001.000	2210188-0006	SOCKET,LOW PROFILE,DIP, 22 PINS, 10 CONT 003612-DILB22P-108	EA
0058A			XU25 003612-DILB22P-108	
0059	00002.000	2210188-0005	SOCKET, LOW PROFILE, DIP, 20 PINS 003612-DILB20P-108	EA
0059A			XU55,XU67 003612-DILB20P-108	
0060	00001.000	0972445-0001	CRYSTAL,12 MHZ,QUARTZ SEE - TI DRAWING	EA
0060A			Y1 SEE - TI DRAWING	

List of Materials

05/12/84

PART NUMBER REV DESCRIPTION.....
0994244-0002 BF PROCESSOR, 810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0061	00008.000	0972487-0001	JUMPER PLUG,CONNECTOR BLACK 5935-J900-000	EA
0064	00001.000	0413277-0001	EJECTOR,PCB,NON-LOCKING,WHITE SCA -S-200(NATURAL)	EA
0065	00001.000	0413277-0009	EJECTOR,PCB,NON-LOCKING,GREEN SCA -S-200(D.GREEN)	EA
0066	REF	0994247-9901	DIAGRAM, LOGIC, PROCESSOR	EA
0067	REF	0903412-9901	REVISION LEVEL STATUS,MC810/ATS	EA
0068	00002.000	0005936-0065	EYELET,ROLLED FLANGE,.089 C.D. X .312 LG	EA
0072	00001.000	0994379-0001	RETAINER,BATTERY 1680-0379-999	EA
0073	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0075	00001.000	0994244-5002	AUTO-INSERTED PARTS LIST FOR 994244-0002 1225-5244-999	EA
0076	00001.000	0972946-0065	RES FIX 1.0K OHM 5% .25 W CARBON FILM ROH - R-25	EA
0076A			R1 ROH - R-25	
0077	00001.000	0972763-0025	CAPACITOR,.10UF 50V FX,CERAMIC DIEL COR CA-C03Z5U104Z050A	EA
0077A			C52 COR CA-C03Z5U104Z050A	
0081	00002.000	0972946-0029	RES FIX 33.0 OHM 5 % .25 W.CARBON FILM ROH - R-25	EA
0081A			R9,R10 ROH - R-25	

05/12/84

PART NUMBER REV DESCRIPTION.....
0994244-5002 BF AUTO-INSERTED PARTS LIST FOR 994244-0002

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	0994243-0001	PWB,PROCESSOR	EA
0012	00001.000	0222222-7404	NETWORK SN7404N	EA
0012A			U11	
0013	00002.000	0222222-7405	NETWORK SN7405N	EA
0013A			U8,U19	
0014	00001.000	0222222-7406	NETWORK SN7406N	EA
0014A			U20	
0015	00001.000	0972900-7474	NETWORK SN74LS74A	EA
0015A			U13	
0016	00001.000	0972900-7155	NETWORK SN74LS155N TI -SN74LS155N	EA
0016A			U17 TI -SN74LS155N	

List of Materials

05/12/84

PART NUMBER REV DESCRIPTION.....
0994244-5002 BF AUTO-INSERTED PARTS LIST FOR 994244-0002

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0017	00002.000	0972686-0001	NETWORK-QUAD MULTIPLEXER, SN74LS157N	EA
0017A			U26,U27	
0018	00001.000	0972900-7175	NETWORK SN74LS175N	EA
0018A			U69	
0019	00002.000	0972817-0002	IC,SN74LS193 4 BIT-UP/DOWN COUNTERS	EA
0019A			U52,U64	
0020	00001.000	0972653-0001	NETWORK,SN74LS293N	EA
0020A			U56	
0021	00002.000	0996049-0001	IC,SN74LS298N QUAD 2-INPUT MPXR	EA
			TI -SN74LS298N	
0021A			U5,U16	
			TI -SN74LS298N	
0022	00001.000	0972856-0001	NETWORK, SN74376N	EA
0022A			U53	
0023	00002.000	0996035-0002	IC,4 BIT COUNTER SN74393N	EA
			-SN74393N	
0023A			U15,U44	
			-SN74393N	
0024	00001.000	0800118-0013	RESISTOR, FIXED-ARRAY, 4.7K	EA
0024A			U47	
0025	00002.000	0972900-7402	NETWORK,SN74LS02N	EA
0025A			U50,U75	
0026	00005.000	0972900-7404	NETWORK SN74LS04N	EA
0026A			U57,U60,U63,U71,U77	
0026B			*NOTE:AN SN7404N CANNOT BE	
0026C			*USED AS AN SUBSTITUTE	
0027	00004.000	0972749-0001	NETWORK, SN74LS08N	EA
0027A			U41,U51,U62,U70	
0028	00002.000	0972788-0001	NETWORK,SN74LS11,POSITIVE AND GATE	EA
0028A			U43,U68	
0029	00001.000	0972900-7420	NETWORK SN74LS20N	EA
0029A			U66	
0030	00001.000	0972813-0001	NETWORK-SN74LS21N	EA
0030A			U40	
0031	00003.000	0972900-7432	NETWORK SN74LS32N	EA
			TI -SN74LS32N	

List of Materials

05/12/84

PART NUMBER REV DESCRIPTION.....
0994244-5002 BF AUTO-INSERTED PARTS LIST FOR 994244-0002

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0031A			U39,U61,U74	
			TI -SN74LS32N	
0032	00003.000	0972900-7451	NETWORK SN74LS51N	EA
			TI -SN74LS51N	
0032A			U23,U65,U79	
			TI -SN74LS51N	
0033	00001.000	0972900-7138	NETWORK SN74LS138N	EA
			TI -SN74LS138N	
0033A			U78	
			TI -SN74LS138N	
0034	00002.000	0996136-0001	IC,SN74LS257N,DATA SELECTORS/MULTIPLEXER	EA
			TI -SN74LS257N	
0034A			U37,U38	
			TI -SN74LS257N	
0035	00004.000	0996136-0002	IC,SN74LS258N,DATA SELECTORS/MULTIPLEXER	EA
			TI -SN74LS258N	
0035A			U21,U22,U32,U33	
			TI -SN74LS258N	
0036	00003.000	0996023-0001	IC,SN74LS259N	EA
			TI -SN74LS259N	
0036A			U7,U18,U29	
			TI -SN74LS259N	
0037	00003.000	0972787-0003	NETWORK SN74LS367N	EA
0037A			U31,U45,U58	
0038	00001.000	0996015-0001	IC,QUAD LINE DRIVERS SN75188N	EA
			TI -SN75188N	
0038A			U12	
			TI -SN75188N	
0039	00001.000	0972450-0002	NETWORK,SN75189AN/MC1489AL QUAD LINE RCR	EA
			SEE - TI DRAWING	
0039A			U24	
			SEE - TI DRAWING	
0040	00001.000	0996093-0001	NETWORK,SN75350P,DUAL NAND DRIVER	EA
0040A			U59	
0041	00003.000	0800118-0008	RESISTOR NETWORK,1.0K OHMS 2% DIP 16-PIN	EA
			BEC -8981R1.0K	
0041A			U4,U9,U10	
			BEC -8981R1.0K	
0042	00001.000	0800118-0015	RESISTOR 6.8KOHMS DIL PULL UP 16 PINS	EA
			BEC -8981R6.8K	
0042A			U1	
			BEC -8981R6.8K	
0043	00001.000	0972141-0048	NETWORK,RES. 2.0 K OHM 2 % 14 PIN DIP	EA
			BEC - 899-1-R2.0K	
0043A			U34	
			BEC - 899-1-R2.0K	
0044	00001.000	0972900-7400	NETWORK SN74LS00N	EA
			1233-7564-000	
0044A			U54	
			1233-7564-000	
0045	00001.000	0972668-0001	NETWORK SN74LS251N	EA
0045A			U35	
0046	00001.000	0222222-7474	NETWORK SN7474N	EA
			- 3-000	

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
0994244-5002	BF	AUTO-INSERTED PARTS LIST FOR 994244-0002

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0046A			U72	
			- 3-000	
0047	00001.000	0996029-0001	IC,SN74LS273N OCTAL D-TYPE FLIP/FLOP	EA
			TI -SN74LS273N	
0047A			U76	
			TI -SN74LS273N	
0048	00001.000	0996201-0001	IC,SN74S374N,EDGE-TRIGGERED FLIP-FLOPS	EA
			TI -SN74S374N	
0048A			U28	
			TI -SN74S374N	
0049	00000.000	0996508-0001	IC,74LS393N DUAL BINARY COUNTER	EA
			001295-74LS393N	
0049A			*THIS ITEM MAY BE USED AS	
			001295-74LS393N	
0049B			*AN ALTERNATE FOR U44	
			001295-74LS393N	
0049C			*(ITEM 23) IT CAN NOT BE	
			001295-74LS393N	
0049D			*USED IN PLACE OF U15	
			001295-74LS393N	
0078	00000.000	0972120-0001	NETWORK,SN74259 8-BIT ADDRESSABLE LATCH	EA
			001295-74259	
0078A			*THIS ITEM MAY BE	
			001295-74259	
0078B			*SUBSTITUTED AS AN	
			001295-74259	
0078C			*ALTERNATE FOR ITEM 36	
			001295-74259	
0079	00001.000	0972784-0002	NETWORK SN74LS14N	EA
0079A			U30	
0084	00001.000	0994244-5502	SEQUENCE TAPE FOR -5002	EA
			1225-5544-298	

05/12/84

PART NUMBER	REV	DESCRIPTION
0994244-5502	BF	SEQUENCE TAPE FOR -5002

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0002	00003.000	0972946-0057	RES FIX 47Ω OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0002A			R4,R5,R8	
			ROH - R-25	
0003	00002.000	0972946-0065	RES FIX 1.0K OHM 5% .25 W CARBON FILM	EA
			ROH - R-25	
0003A			R2,R6	
			ROH - R-25	
0004	00001.000	0972946-0089	RES FIX 10K OHM 5% .25 W CARBON FILM	EA
			1658- -000	
0004A			R3	
			1658- -000	
0005	00004.000	0972932-0001	DIODE 1N9148	EA
			SEE TI- DRAWING	
0005A			CR3,CR4,CR5,CR6	
			SEE TI- DRAWING	
0007	00026.000	0972763-0021	CAP.,FIXED,AXIAL LEAD,.047 UF,+80%,-20%	EA
			1632-0000-000	

List of Materials

05/12/84

PART NUMBER REV DESCRIPTION.....
0994244-5502 BF SEQUENCE TAPE FOR -5002

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0007A			C3,C12,C13,C16,C18,C19 1632-0000-000	
0007B			C20,C21,C22,C23,C26,C27,C30 1632-0000-000	
0007C			C31,C32,C33,C34,C35,C38,C42 1632-0000-000	
0007D			C43,C44,C45,C46,C47,C49 1632-0000-000	
0008	00001.000	0972924-0006	CAP FIX TANT SOLID 35 UFD 10% 10 VOLT QPL -M39003/1-2259	EA
0008A			C6 QPL -M39003/1-2259	
0009	00001.000	0972924-0014	CAP FIX TANT SOLID 15 UFD 10% 20 VOLT QPL -M39003/1-2289	EA
0009A			C7 QPL -M39003/1-2289	
0047	00001.000	0972763-0001	CAPACITOR,.001UF 50V FX CERAMIC DIEL COR CA-C02Z5U102Z100A	EA
0047A			C56 COR CA-C02Z5U102Z100A	
0048	00001.000	0972757-0041	CAP,FIX,CERAMIC, 33 PF, 50 V, 10% 007115-SEE TI DWG	EA
0048A			C55 007115-SEE TI DWG	
0062	00000.000	0972494-0001	PIN,.025 SQUARE AMP - 4-87022-2	EA
0062A			*ALTERNATE FOR ITEM 63 AMP - 4-87022-2	
0063	00030.000	0972456-0002	PIN,.025 SQUARE 5935-0800-000	EA
0063A			E1,E2,E3,E4,E5,E6,E7,E8,E9 5935-0800-000	
0063B			E10,E11,E12,E13,E14,E15,E16 5935-0800-000	
0063C			E17,E18,E19,E20,E21,E22,E23 5935-0800-000	
0063D			E24,E25,E26,E27,E28,E29,E30 5935-0800-000	
0063E			*ITEM 62 IS AN ALTERNATE 5935-0800-000	
0077	00003.000	0972763-0025	CAPACITOR,.10UF 50V FX,CERAMIC DIEL COR CA-C03Z5U104Z050A	EA
0077A			C51,C53,C54 COR CA-C03Z5U104Z050A	
0080	00001.000	0972947-0051	RES FIX 270 OHM 5% .5 W CARBON FILM ROH - R-50	EA
0080A			R7 ROH - R-50	
0081	00002.000	0972946-0029	RES FIX 33.0 OHM 5 % .25 W.CARBON FILM ROH - R-25	EA
0081A			R11,R12 ROH - R-25	
0082	00002.000	0972757-0050	CAPACITOR,68PF,10%,50 WVDC,CERAMIC SEE TI- DRAWING	EA

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
0994244-5502	BF	SEQUENCE TAPE FOR -5002

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0082A			C57,C58 SEE TI- DRAWING	
0083	00001.000	2363830-0002	LABEL,SYMBOLIZATION (51MM X 13MM) 1225- -000	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
0994244-8002	BF	PROCESSOR, 810 (SPARES)

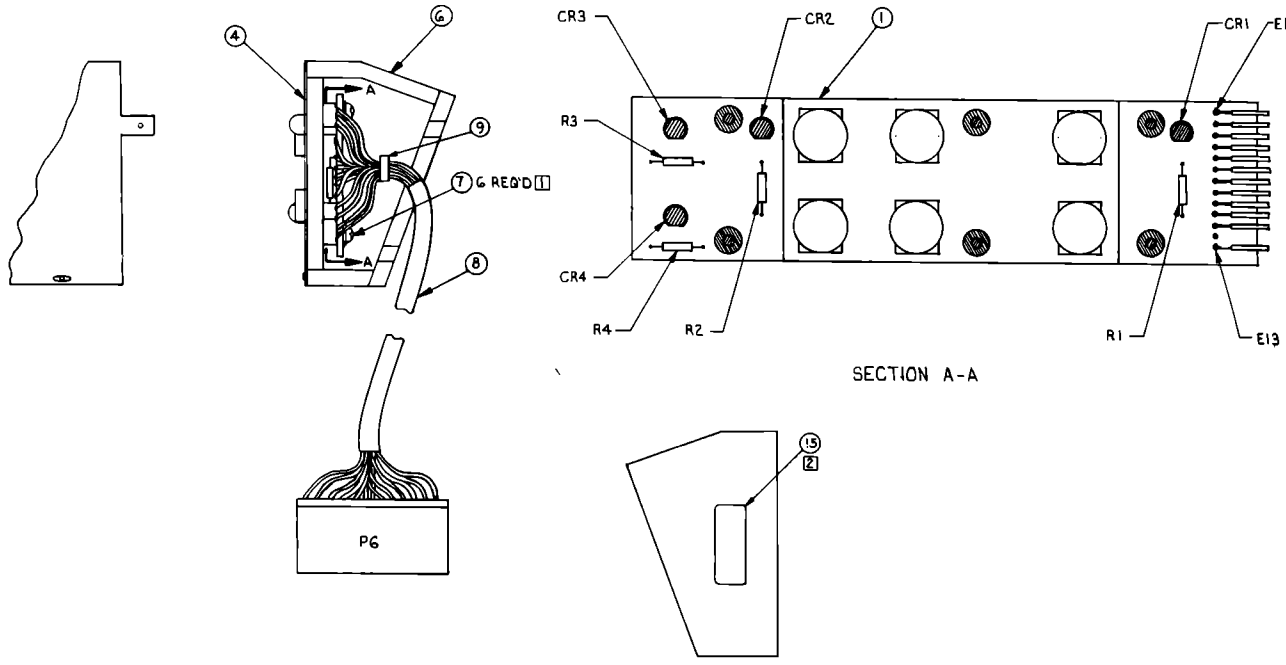
ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994244-0002	PROCESSOR, 810 1225-2244-999	EA

DWG NO 994251

NOTES: UNLESS OTHERWISE SPECIFIED:

1. TORQUE MOUNTING SCREWS TO 6.0± 1.0 IN-LB.
2. MARK ASSEMBLY NO., REVISION LETTER & SITE/DATE CODE ON ITEM 15 BY HAND PRINTING WITH BLACK INK PEN PER ITEM 10 PARA 4.0. PAPER LABEL TI (OPS) PART NO 532886-0001 IS AN ACCEPTABLE ALTERNATE FOR ITEM 15
3. ~~RING CODE TIME CARD~~
4. ~~CLINCH ALL COMPONENT LEADS BEFORE SOLDERING~~
5. DO NOT FLOW SOLDER OR SUBMERGE IN CLEANING SOLUTION

REV	DESCRIPTION	DATE	APPROVED
D	421515 (C) [illegible] 10-26-76	11-24-76	[illegible]
	CHANGED PER ENGINEERING UPDATES		
	FORMAL RELEASE		
E	CN 423943 Thomas Hornsby (1) ITEM 7 P/N WAS 972679-0008 SCREW PLASTITE 4-20x3/16	4/13/77	[illegible]
F	CN 421015 Thomas Hornsby (11) ADDED IT 11,12,13 & 14 TO DWG(2) ADDED NOTE 3	6-20-77	[illegible]
G	CN 423630 J Pusey (1) ADDED ITEM 15 (2) NOTE 2 WAS "MARK WHERE SHOWN"/PRCS 2 (ITEM 10(3) ADDED NOTES 4 AND 5 (4) ADDED LEFT SIDE VIEW	6-28-77	[illegible]
H	CN 438991 (D) [illegible] (1) REVISED NOTE 2. (2) LEFT INSIDE VIEW WAS LEFT SIDE VIEW (3) DELETED PROCESS 2.	2/15/78	[illegible]
J	CN 439122 (D) K. Moyer (1) DELETED ITEMS 11, 12, 13, 14 (2) DELETED NOTE 3	7/27/79	[illegible]
K	CN 455622 (D) [illegible] (1) DELETED NOTE 4 (2) RELOCATED ITEM 9 ON WIRES	11/28/79	[illegible]
L	CN 439192 (E) [illegible] (1) ITEM 7 P/N WAS 972679-0007	11/25/80	[illegible]



SECTION A-A

LEFT INSIDE VIEW

SEQ NO	IDENT	F-SPEC	NO	ADDITIONAL	NOTES
PROCESS			CLASSIFICATION		
2	MARK	100-02	21	HEIGHT .03, COLOR BLACK	2
1	SLDR	127-01	00		

PROCESSES — FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 729467

PARTS LIST

-1 QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES
		994293	8733		
		994292	8733		
NEXT ASSY		USED ON			
APPLICATION					

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES: ANGLES ±1°; 3 PLACE DECIMALS ± .010; 2 PLACE DECIMALS ± .02
- INTERPRET DRAWING PER MIL-Q-1000
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIM
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

.013 THRU .064 .001	.126 THRU .128 .001	.251 THRU .253 .001
.128 .001	.250 .001	.503 .001
.501 THRU .503 .001	.751 THRU 1.000 .001	1.501 THRU 2.000 .002

DRAWN 7-13-76 DEC 76
ENGR [illegible] 12/1/76
CK [illegible] 12/1/76
QA [illegible] 12-3-76
APPD [illegible] 12/9/76

TEXAS INSTRUMENTS INCORPORATED Dallas, Texas

CONTROL & INDICATOR ASSEMBLY

SIZE D | FSCM NO 96214 | DRAWING NO 994251

SCALE 2/1 | SHEET

LM

LIST OF MATERIALS

07/15/81

PART NUMBER	REV	DESCRIPTION
0994251-0001	L	CONTROL & INDICATOR ASSY

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994252-0001	SWITCH MODULE,CONTROL PANEL	EA
0002	00004.000	0539480-0003	POWER INDICATOR LED	EA
0002A			CR1,CR2,CR3,CR4	
0003	00004.000	0972946-0047	RES FIX 180 OHM 5 % .25 W CARBON FILM ROH - R-25	EA
0003A			R1,R2,R3,R4 ROH - R-25	
0004	00001.000	0994253-0002	OVERLAY,PANEL	EA
0006	00001.000	0994234-0001	PANEL,CONTROL 1215-0234-020	EA
0007	00006.000	0972483-0002	SCREW,TRI-LOBED,#4 .312LG PLASTICS CSM -CROSS REC 4X.3	EA
0008	00001.000	0994308-0001	CABLE ASSY,CONTROL PANEL 1225-1308-065	EA
0009	00001.000	0418212-0040	STRAP,TIEDOWN,ADJUSTABLE,PLASTIC QPL - MS3367-4-9	EA
0010	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0015	AR	0232208-3500	LABEL WIRE MARKER DATABS VINYL CLOTH 1286-2208-000	SH

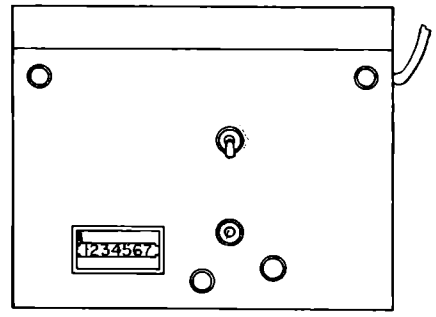
DWG NO 994257 REV 1

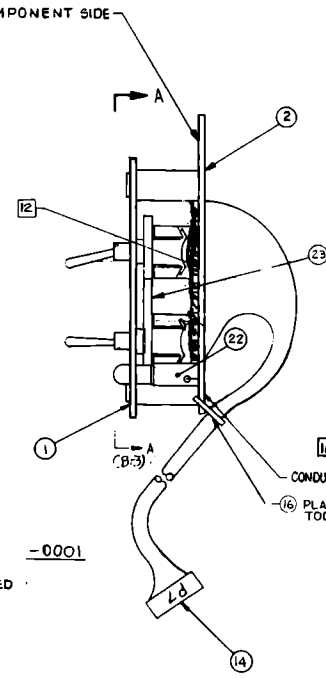
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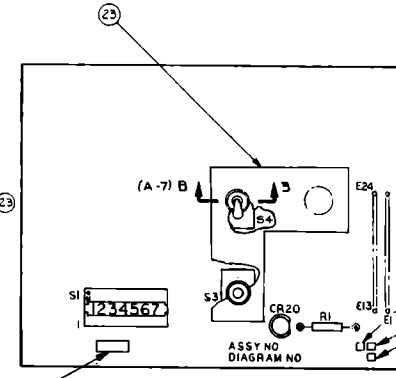
1. INSERT WASHER TAB ON POSITION 9 OF SWITCH, DISCARD LOCK WASHER SUPPLIED
2. USE LOCK WASHER SUPPLIED ONLY. DISCARD TAB WASHER SUPPLIED
3. ~~INSERT #26 BUSS WIRE IN PLACE OF R8~~
4. LINE UP INDICATOR ON "3" WITH SWITCH IN FULL CCW POSITION
5. LINE UP INDICATOR ON "1" WITH SWITCH IN FULL CCW POSITION
6. INSTALL PIN 1 OF S2 IN HOLE 1 OF PWB FOR -0002 THRU -0005
7. ~~DO NOT USE MOUNTING HARDWARE ON S3, S4, S5~~
8. DO NOT SOLDER ON COMPONENT SIDE, EXCEPT FOR ITEM 14
9. MAXIMUM LEAD LENGTH TO BE .062 FROM CONDUCTOR SIDE OF ITEM 2
10. MARK PER ITEM 18 AND PROCESS 1 WHERE SHOWN
11. SOLDER S1 IN OFF POSITION
12. SOLDER ITEM 14 ON COMPONENT SIDE
13. APPLY 10 IN LB ±2 IN LB OF TORQUE TO NUT ON S3, S4, S5, S2

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
K	CN4331B3 (1) -1 THRU -5 LMS ITEM 3 WAS PN972594-4 (2) ADD NOTE 11	1-27-78	
L	CN4 18896 (1) -1 THROUGH -4 (2) SHT 1 REDREW ITEM 14. 2) D-5 ADD NOTE 12. 3) D-8 ADD TO NOTE 8 ...SIDE, EXCEPT. .... 4) B-4 ADD ITEM 16	4-17-79	D
M	CN 438947 REKHA SETH 1) CHANGED LOCATION OF T E STROD ITEM 16 -1 THRU -6	6/27/79	
N	CN4549540 N. VELAZQUEZ SHT 1 ADD NOTE 13 2) SHTS 1 THRU 5 & B-7 ADD 13 TO F/D	12/13/79	D



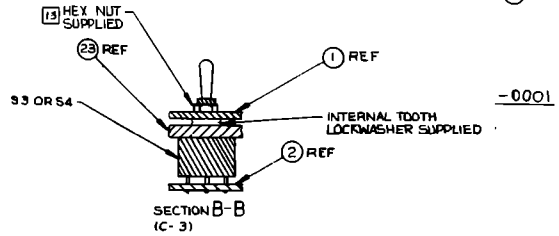




VIEW A-A
(B-5)
ITEM 1 REMOVED

MARK APPROPRIATE ASSY NO PER PROCESS 1

MARK APPROPRIATE REV LETTER PER PROCESS 1 AND REV LEVEL BLOCK



-0001

PART NUMBER	DESCRIPTION
994257-0005	AUX. CONT. & INDICATOR ASSY (DELUXE)
994257-0004	AUX. CONT. & INDICATOR ASSY (VFC)
994257-0003	AUX. CONT. & INDICATOR ASSY (FORM LG & COMPRESSED)
994257-0002	AUX. CONT. & INDICATOR ASSY (FORM LG)
994257-0001	AUX. CONT. & INDICATOR ASSY (STD)

REV STATUS OF SHEETS	REV	N	N	N	N	N
	SH	1	2	3	4	5

PARTS LIST

-1 QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES
994295	8793				
994291	8799				
NEXT ASSY	USED ON				
APPLICATION					

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES: ANGLES ±1°; 3 PLACE DECIMALS ± .010; 2 PLACE DECIMALS ± .02
- INTERPRET DRAWING PER MIL-D-1000
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIM
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

.013" THRU .125 +.004 -.001	.128 THRU .750 +.008 -.001	.751 THRU 1.000 +.009 -.001
1.001 THRU .750 +.008 -.001	.751 THRU 1.000 +.010 -.001	1.001 THRU 2.000 +.012 -.001

DRN L. Gramajo 9-13-76
CHK [illegible] 10/27/76
APP [illegible] 10-27-76
ENGR [illegible] 10/27/76

TEXAS INSTRUMENTS INCORPORATED Dallas, Texas

PANEL ASSEMBLY, AUXILIARY CONTROL & INDICATOR

SIZE D | 96214 | TRACING NO 994257 | SCALE 2/1 | SHEET 1 of 5

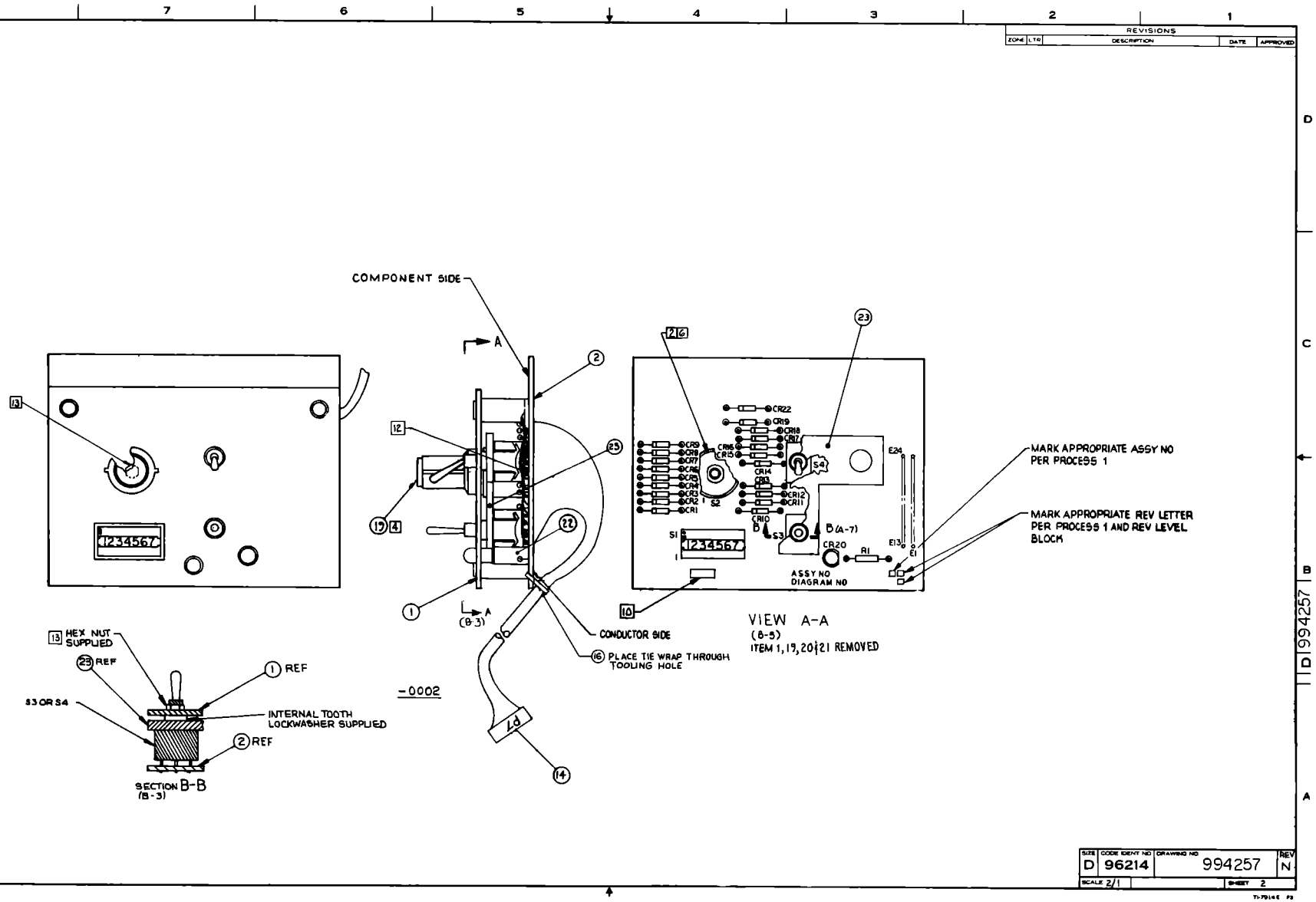
SEQ NO	IDENT	P-SPEC	NO	ADDITIONAL	NOTES
3	SLDR	127-01	00	HEIGHT: 09, COLOR: BLACK	
2	SLDR	136-02	00		
1	WIRE	100-02	21		
PROCESS				CLASSIFICATION	

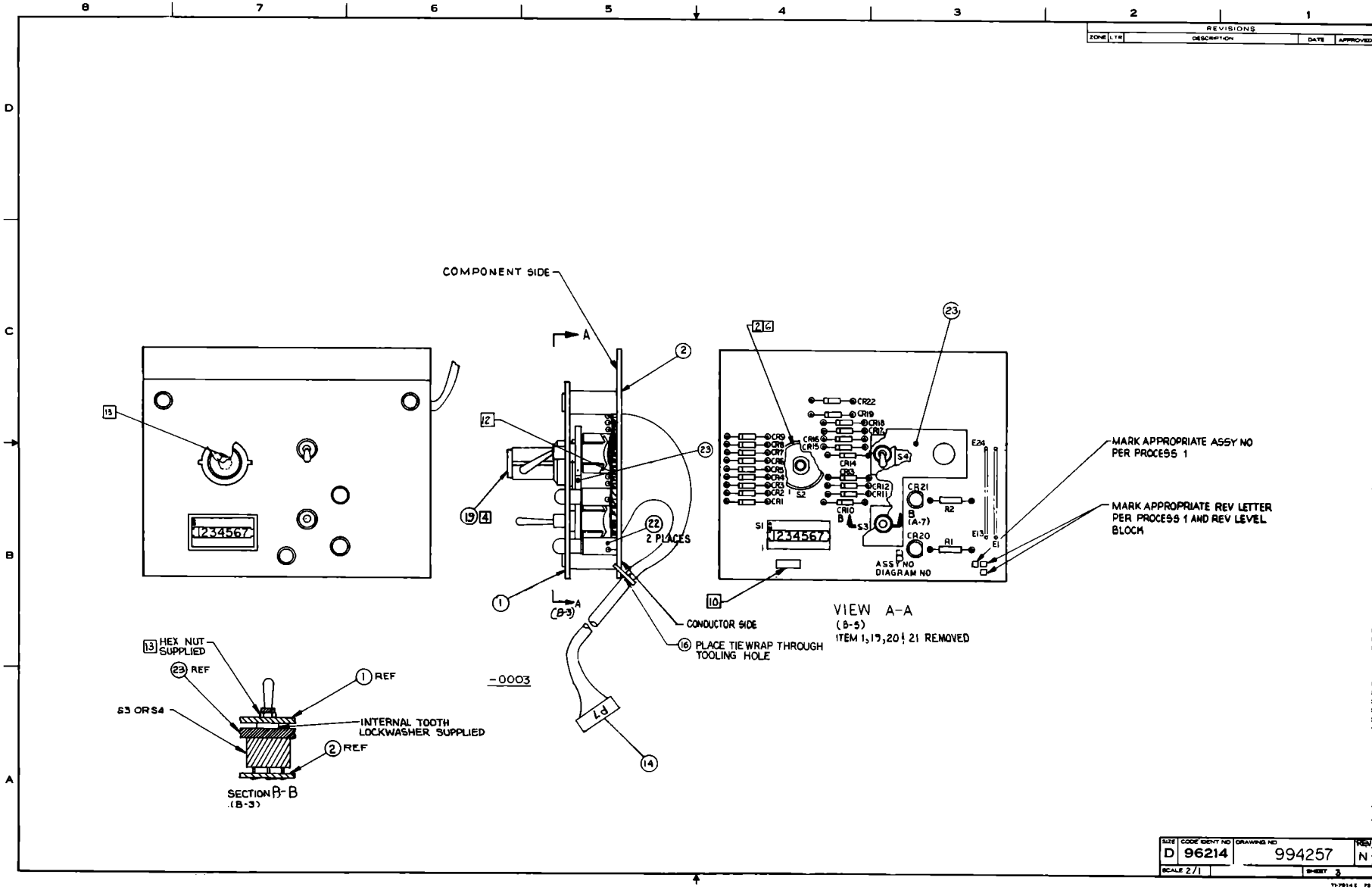
PROCESSED — FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 728487

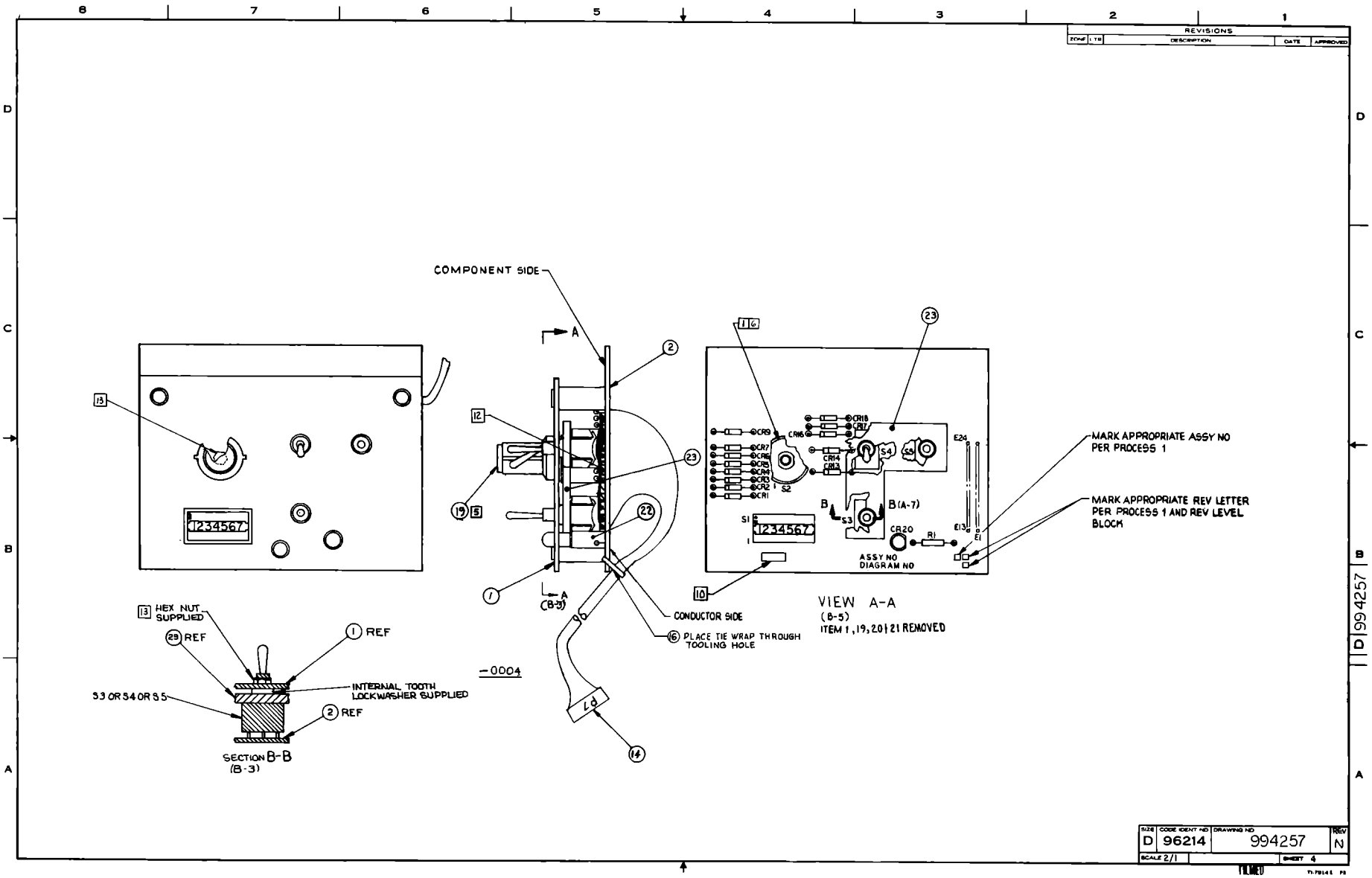
REVISION LEVEL

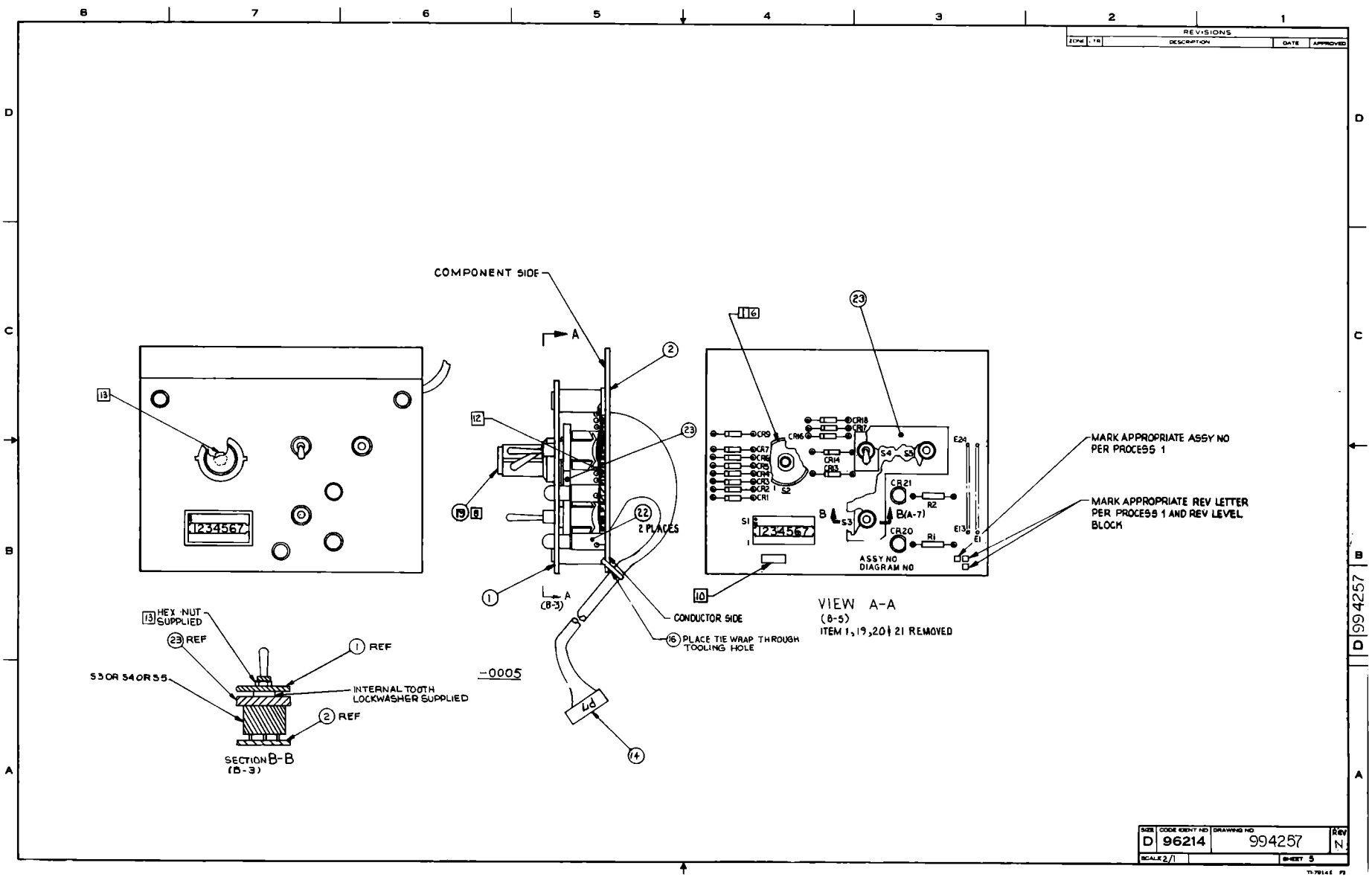
DIAGRAM 994300 ASSEMBLY | C | D | E | F | G | H | J | K | L | M | N

LM


REVISIONS
ZONE LTR DESCRIPTION DATE APPROVED
COMPONENT SIDE
A
2
13
12
25
19 4
22
1
L A (8-3)
CONDUCTOR SIDE
16 PLACE TIE WRAP THROUGH TOOLING HOLE
14
-0002
216
23
CR22
CR19
CR18
CR17
CR16
CR15
CR14
CR13
CR12
CR11
CR10
CR9
CR8
CR7
CR6
CR5
CR4
CR3
CR2
CR1
S4
S2
S3
S1
B (A-7)
CR20
R1
E24
E13
E1
1234567
ASSY NO
DIAGRAM NO
10
MARK APPROPRIATE ASSY NO PER PROCESS 1
MARK APPROPRIATE REV LETTER PER PROCESS 1 AND REV LEVEL BLOCK
VIEW A-A
(8-5)
ITEM 1, 19, 20 & 21 REMOVED
13 HEX NUT SUPPLIED
23 REF
1 REF
S3 OR S4
INTERNAL TOOTH LOCKWASHER SUPPLIED
2 REF
SECTION B-B
(8-3)
D 994257
SIZE D
CODE IDENT NO 96214
DRAWING NO 994257
REV N
SCALE 2/1
SHEET 2


REVISIONS
ZONE LTR DESCRIPTION DATE APPROVED
COMPONENT SIDE
A
2
12
23
19 4
22
2 PLACES
1
A (B-3)
CONDUCTOR SIDE
16 PLACE TIE WRAP THROUGH TOOLING HOLE
14
-0003
13 HEX NUT SUPPLIED
23 REF
1 REF
S3 OR S4
INTERNAL TOOTH LOCKWASHER SUPPLIED
2 REF
SECTION B-B (B-3)
16
23
CR22
CR19
CR18
CR17
CR16
CR15
CR9
CR8
CR7
CR6
CR5
CR4
CR3
CR2
CR1
S2
S4
E24
CR14
CR13
CR12
CR11
CR21
R2
B (A-7)
CR10
S3
S1
1234567
CR20
A1
E13
E1
B
ASSY NO
DIAGRAM NO
10
VIEW A-A
(B-5)
ITEM 1,19,20 & 21 REMOVED
MARK APPROPRIATE ASSY NO PER PROCESS 1
MARK APPROPRIATE REV LETTER PER PROCESS 1 AND REV LEVEL BLOCK
SIZE D
CODE IDENT NO 96214
DRAWING NO 994257
REV N
SCALE 2/1
SHEET 3
D994257


REVISIONS
ZONE | LTR | DESCRIPTION | DATE | APPROVED
COMPONENT SIDE
A
1234567
13 HEX NUT SUPPLIED
29 REF
1 REF
INTERNAL TOOTH LOCKWASHER SUPPLIED
S3 OR S4 OR S5
2 REF
SECTION B-B (B-3)
-0004
CONDUCTOR SIDE
16 PLACE TIE WRAP THROUGH TOOLING HOLE
VIEW A-A (B-5)
ITEM 1, 19, 20 & 21 REMOVED
ASSY NO DIAGRAM NO
MARK APPROPRIATE ASSY NO PER PROCESS 1
MARK APPROPRIATE REV LETTER PER PROCESS 1 AND REV LEVEL BLOCK
SIZE D | CODE IDENT NO 96214 | DRAWING NO 994257 | REV N
SCALE 2/1
SHEET 4
994257


REVISIONS
ZONE
LTR
DESCRIPTION
DATE
APPROVED
COMPONENT SIDE
A
2
12
23
19
18
22
2 PLACES
1
A
(B-3)
CONDUCTOR SIDE
16
PLACE TIE WRAP THROUGH TOOLING HOLE
-0005
13
HEX NUT SUPPLIED
23 REF
1 REF
S3 OR S4 OR S5
INTERNAL TOOTH LOCKWASHER SUPPLIED
2 REF
SECTION B-B
(B-3)
P1
14
16
23
CR9
CR8
CR7
CR6
CR5
CR4
CR3
CR2
CR1
CR16
CR18
CR17
CR14
CR13
S4
S5
S2
E24
CR21
R2
S1
1234567
B
S3
B(A-7)
CR20
R1
E13
E1
ASSY NO
DIAGRAM NO
10
VIEW A-A
(B-5)
ITEM 1,19,20 & 21 REMOVED
MARK APPROPRIATE ASSY NO PER PROCESS 1
MARK APPROPRIATE REV LETTER PER PROCESS 1 AND REV LEVEL BLOCK
SIZE
CODE IDENT NO
DRAWING NO
REV
D
96214
994257
Z
SCALE 2/1
SHEET 5
D 994257

LIST OF MATERIALS

07/15/81

PART NUMBER	REV	DESCRIPTION
0994257-0001	N	AUX CONTROL & INDICATOR ASSY,(STD)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994255-0001	PANEL AUXILIARY CONTROL-STANDARD 1680-0255-000	EA
0002	00001.000	0994256-0001	PWB,PANEL,AUX CONTROL	EA
0003	00001.000	0996798-0007	SWITCH,SPST, 7 SECT,MULTI DUAL-IN-LINE 081640-SL1007	EA
0003A			S1 081640-SL1007	
0004	00001.000	0996170-0001	SWITCH,SPDT ON-NONE-ON ALS -MTA-106D-PC	EA
0004A			S4 ALS -MTA-106D-PC	
0005	00001.000	0539480-0003	POWER INDICATOR LED	EA
0005A			CR20	
0006	00001.000	0972946-0047	RES FIX 180 OHM 5 % .25 W CARBON FILM ROH - R-25	EA
0006A			R1 ROH - R-25	
0007	00001.000	0996170-0002	SWITCH,SPDT ON-OFF-ON ALS -MTA-106G-PC	EA
0007A			S3 ALS -MTA-106G-PC	
0013	REF	0994300-9901	DIAGRAM,AUX CONTROL PANEL	EA
0014	00001.000	0994299-0001	CABLE ASSY, AUX CONTROL & INDICATOR 1225-1299-043	EA
0015	REF	0994248-9901	WIRE LIST,CABLE ASSY,STD AUX C&I	EA
0016	00001.000	0418212-0040	STRAP,TIEDOWN,ADJUSTABLE,PLASTIC QPL - MS3367-4-9	EA
0017	REF	0983412-9901	REVISION LEVEL STATUS,MC810/ATS	EA
0018	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0022	00001.000	0962346-0003	SPACER,LED AUX PANEL .420 DIA 1680-3346-000	EA
0023	00001.000	0994452-0001	PLATE,GROUNDING 1680-0452-000	EA

LIST OF MATERIALS

07/15/91

PART NUMBER	REV	DESCRIPTION.....
0994257-0002	N	AUX CONTROL & INDICATOR ASSY,FORM LENGTH

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	0994255-0002	PANEL AUXILIARY CONTROL-FORM LENGTH 1680-2255-000	EA
0002	00001.000	0994256-0001	PWB,PANEL,AUX CONTROL	EA
0003	00001.000	0996798-0007	SWITCH,SPST, 7 SECT,MULTI DUAL-IN-LINE 081640-SL1007	EA
0003A			S1 081640-SL1007	
0004	00001.000	0996170-0001	SWITCH,SPDT ON-NONE-ON ALS -MTA-106D-PC	EA
0004A			S4 ALS -MTA-106D-PC	
0005	00001.000	0539480-0003	POWER INDICATOR LED	EA
0005A			CR20	
0006	00001.000	0972946-0047	RES FIX 180 OHM 5 % .25 W CARBON FILM ROH - R-25	EA
0006A			R1 ROH - R-25	
0007	00001.000	0996170-0002	SWITCH,SPDT ON-OFF-ON ALS -MTA-106G-PC	EA
0007A			S3 ALS -MTA-106G-PC	
0009	00001.000	0996196-0001	SWITCH,ROTARY,12 POS ALS -MRB-1-12S-PC	EA
0009A			S2 ALS -MRB-1-12S-PC	
0010	00003.000	0411123-0107	KNOBS-CONTROL,PLASTIC	EA
0010A			ITEM 10 MAY BE USED AS	
0010B			ALTERNATE FOR ITEM 19	
0011	00020.000	0972932-0001	DIODE 1N914B SEE TI- DRAWING	EA
0011A			CR1 THRU CR19 AND CR22 SEE TI- DRAWING	
0013	REF	0994300-9901	DIAGRAM,AUX CONTROL PANEL	EA
0014	00001.000	0994299-0002	CABLE ASSY, AUX CONTROL & INDICATOR 1225-2299-045	EA
0015	REF	0994367-9901	WIRE LIST,CABLE ASSY,AUX,CONTROL & IND	EA
0016	00001.000	0418212-0046	STRAP,TIEDOWN,ADJUSTABLE,PLASTIC QPL - MS3367-4-9	EA
0017	REF	0983412-9901	REVISION LEVEL STATUS,MC810/ATS	EA
0018	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0019	00001.000	0996648-0001	KNOB, POINTER 1/8 DIA SHAFT 095146-PZ-08101	EA
0022	00001.000	0962346-0003	SPACER,LED AUX PANEL .420 DIA 1680-3346-000	EA
0023	00001.000	0994452-0001	PLATE,GROUNDING 1680-0452-000	EA

LIST OF MATERIALS

07/15/81

PART NUMBER REV DESCRIPTION.....
0994257-0003 N AUX CONTROL & INDICATOR ASSY

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	0994255-0003	208 06 1680-3255-000	EA
0002	00001.000	0994256-0001	PWB,PANEL,AUX CONTROL	EA
0003	00001.000	0996798-0007	SWITCH,SPST, 7 SECT,MULTI DUAL-IN-LINE 081640-SL1007	EA
0003A			S1 081640-SL1007	
0004	00001.000	0996170-0001	SWITCH,SPDT ON-NONE-ON ALS -MTA-106D-PC	EA
0004A			S4 ALS -MTA-106D-PC	
0005	00002.000	0539480-0003	POWER INDICATOR LED	EA
0005A			CR20 CR21	
0006	00002.000	0972946-0047	RES FIX 180 OHM 5 % .25 W CARBON FILM ROH - R-25	EA
0006A			R1 R2 ROH - R-25	
0007	00001.000	0996170-0002	SWITCH,SPDT ON-OFF-ON ALS -MTA-106G-PC	EA
0007A			S3 ALS -MTA-106G-PC	
0009	00001.000	0996196-0001	SWITCH,ROTARY,12 POS ALS -MRB-1-12S-PC	EA
0009A			S2 ALS -MRB-1-12S-PC	
0010	00000.000	0411123-0107	KNOBS-CONTROL,PLASTIC	EA
0010A			ITEM 10 MAY BE USED AS	
0010B			ALTERNATE FOR ITEM 19	
0011	00020.000	0972932-0001	DIODE 1N9148 SEE TI- DRAWING	EA
0011A			CR1 THRU CR19 AND CR22 SEE TI- DRAWING	
0013	REF	0994300-9901	DIAGRAM,AUX CONTROL PANEL	EA
0014	00001.000	0994299-0002	CABLE ASSY, AUX CONTROL & INDICATOR 1225-2299-045	EA
0015	REF	0994367-9901	WIRE LIST,CABLE ASSY,AUX,CONTROL & IND	EA
0016	00001.000	0418212-0040	STRAP,TIEDOWN,ADJUSTABLE,PLASTIC QPL - MS3367-4-9	EA
0017	REF	0983412-9901	REVISION LEVEL STATUS,MC810/ATS	EA
0018	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0019	00001.000	0996648-0001	KNOB, POINTER 1/8 DIA SHAFT 095146-PZ-08101	EA
0022	00002.000	0962346-0003	SPACER,LED AUX PANEL .420 DIA 1680-3346-000	EA
0023	00001.000	0994452-0001	PLATE,GROUNDING 1680-0452-000	EA

LIST OF MATERIALS

07/15/81

PART NUMBER	REV	DESCRIPTION
0994257-0004	N	AUX CONTROL & INDICATOR ASSY,VFC

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994255-0004	PANEL AUXILIARY CONTROL-VFC 1680-4255-000	EA
0002	00001.000	0994256-0001	PWB,PANEL,AUX CONTROL	EA
0003	00001.000	0996798-0007	SWITCH,SPST, 7 SECT,MULTI DUAL-IN-LINE 081640-SL1007	EA
0003A			S1 081640-SL1007	
0004	00001.000	0996170-0001	SWITCH,SPDT ON-NONE-ON ALS -MTA-106D-PC	EA
0004A			S4 ALS -MTA-106D-PC	
0005	00001.000	0539480-0003	POWER INDICATOR LED	EA
0005A			CR20	
0006	00001.000	0972946-0047	RES FIX 180 OHM 5 % .25 W CARBON FILM ROH - R-25	EA
0006A			R1 ROH - R-25	
0007	00002.000	0996170-0002	SWITCH,SPDT ON-OFF-ON ALS -MTA-106G-PC	EA
0007A			S3 S5 ALS -MTA-106G-PC	
0009	00001.000	0996196-0001	SWITCH,ROTARY,12 POS ALS -MRB-1-12S-PC	EA
0009A			S2 ALS -MRB-1-12S-PC	
0010	00000.000	0411123-0107	KNOBS-CONTROL,PLASTIC	EA
0010A			ITEM 10 MAY BE USED AS	
0010B			ALTERNATE FOR ITEM 19	
0011	00013.000	0972932-0001	DIODE 1N914B SEE TI- DRAWING	EA
0011A			CR1 THRU CR7,CR13,CR14 SEE TI- DRAWING	
0011B			CR16 THRU CR18,CR9 SEE TI- DRAWING	
0013	REF	0994300-9901	DIAGRAM,AUX CONTROL PANEL	EA
0014	00001.000	0994299-0003	CABLE ASSY,AUX CONTROL & INDICATOR-OPTL 1225-3299-019	EA
0015	REF	0994466-9901	WIRE LIST,PT-TO-PT,AUX CONTROL & IND CA	EA
0016	00001.000	0418212-0040	STRAP,TIEDOWN,ADJUSTABLE,PLASTIC QPL - MS3367-4-9	EA
0017	REF	0983412-9901	REVISION LEVEL STATUS,MC810/ATS	EA
0018	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0019	00001.000	0996648-0001	KNOB, POINTER 1/8 DIA SHAFT 095146-PZ-08101	EA
0022	00001.000	0962346-0003	SPACER,LED AUX PANEL .420 DIA 1680-3346-000	EA
0023	00001.000	0994452-0001	PLATE,GROUNDING 1680-0452-000	EA

LIST OF MATERIALS

07/15/81

PART NUMBER	REV	DESCRIPTION
0994257-0005	N	AUX CONTROL & INDICATOR ASSY,DELUXE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994255-0005	PANEL AUXILIARY CONTROL-VFC & PPR SAVER 1680-5255-000	EA
0002	00001.000	0994256-0001	PWB,PANEL,AUX CONTROL	EA
0003	00001.000	0996798-0007	SWITCH,SPST, 7 SECT,MULTI DUAL-IN-LINE 081640-SL1007	EA
0003A			S1 081640-SL1007	
0004	00001.000	0996170-0001	SWITCH,SPDT ON-NONE-ON ALS -MTA-106D-PC	EA
0004A			S4 ALS -MTA-106D-PC	
0005	00002.000	0539480-0003	POWER INDICATOR LED	EA
0005A			CR20 CR21	
0006	00002.000	0972946-0047	RES FIX 180 OHM 5 % .25 W CARBON FILM ROH - R-25	EA
0006A			R1 R2 ROH - R-25	
0007	00002.000	0996170-0002	SWITCH,SPDT ON-OFF-ON ALS -MTA-106G-PC	EA
0007A			S3 S5 ALS -MTA-106G-PC	
0009	00001.000	0996196-0001	SWITCH,ROTARY,12 POS ALS -MRB-1-12S-PC	EA
0009A			S2 ALS -MRB-1-12S-PC	
0010	00000.000	0411123-0107	KNOBS-CONTROL,PLASTIC	EA
0010A			ITEM 10 MAY BE USED AS	
0010B			ALTERNATE FOR ITEM 19	
0011	00013.000	0972932-0001	DIODE IN914B SEE TI- DRAWING	EA
0011A			CR1 THRU CR7, CR13,CR14 SEE TI- DRAWING	
0011B			CR16 THRU CR18,CR9 SEE TI- DRAWING	
0013	REF	0994300-9901	DIAGRAM,AUX CONTROL PANEL	EA
0014	00001.000	0994299-0002	CABLE ASSY, AUX CONTROL & INDICATOR 1225-2299-045	EA
0015	REF	0994367-9901	WIRE LIST,CABLE ASSY,AUX,CONTROL & IND	EA
0016	00001.000	0418212-0040	STRAP,TIEDOWN,ADJUSTABLE,PLASTIC QPL - MS3367-4-9	EA
0017	REF	0983412-9901	REVISION LEVEL STATUS,MC810/ATS	EA
0018	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0019	00001.000	0996648-0001	KNOB, POINTER 1/8 DIA SHAFT 095146-PZ-08101	EA
0022	00002.000	0962346-0003	SPACER,LED AUX PANEL .420 DIA 1680-3346-000	EA
0023	00001.000	0994452-0001	PLATE,GROUNDING 1680-0452-000	EA

LIST OF MATERIALS

07/15/81

PART NUMBER	REV	DESCRIPTION
0994257-0001	N	AUX CONT & INDICATOR ASSY (STD) MC810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994257-0001	AUX CONTROL & INDICATOR ASSY,(STD) 1225-1257-116	EA

07/15/81

PART NUMBER	REV	DESCRIPTION
0994257-0002	N	AUX CONT & INDICATOR ASSY (FORM LG)MC810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994257-0002	AUX CONTROL & INDICATOR ASSY,FORM LENGTH 1225-2257-058	EA

07/15/81

PART NUMBER	REV	DESCRIPTION
0994257-0003	N	AUX CONT & INDICATOR ASSY (FORM LG COMPR

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994257-0003	AUX CONTROL & INDICATOR ASSY 1225-3257-049	EA

07/15/81

PART NUMBER	REV	DESCRIPTION
0994257-0004	N	AUX CONT & INDICATOR ASSY (VFC) MC810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994257-0004	AUX CONTROL & INDICATOR ASSY,VFC 1225-4257-026	EA

07/15/81

PART NUMBER	REV	DESCRIPTION
0994257-0005	N	AUX CONT & INDICATOR ASSY (DELUXE) MC810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994257-0005	AUX CONTROL & INDICATOR ASSY,DELUXE 1225-5257-099	EA

DWG NO 994258 REV 1

NOTES: UNLESS OTHERWISE SPECIFIED:

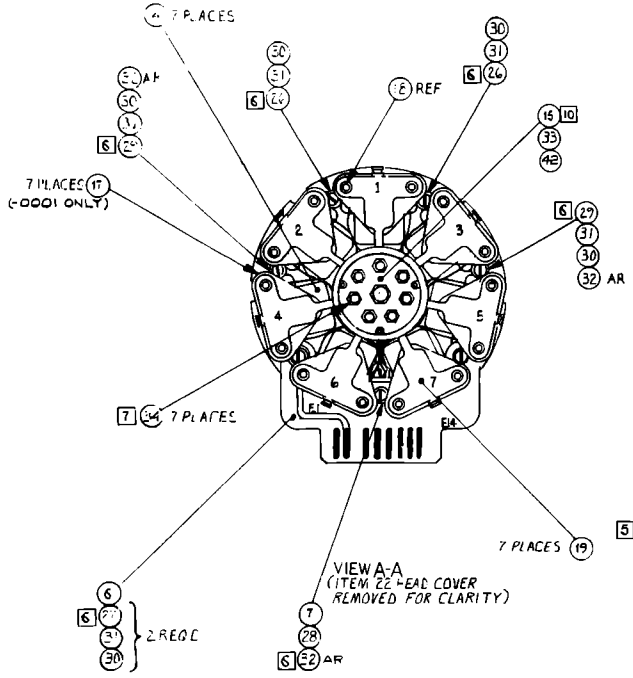
1. CLEAN BOTH SURFACES TO BE BONDED WITH CLEAN ACETONE. APPLY SMALL AMOUNT OF ITEM 11 IN RECESS OF ITEM 2. PLACE ITEM 11 IN RECESS WITH A LONG SIDE ALIGNED PARALLEL TO ADJACENT SIDE OF RECESS. HOLD FIRMLY IN PLACE FOR 10 SECONDS. THERE MUST NOT BE ANY ADHESIVE IN HOLES OF ITEM 11 OR PROTRUDING ABOVE BONDING SURFACES OF ITEMS 11 OR 2.
2. INITIAL ADJUSTMENT IS ONE TURN BACK FROM FULLY SEATED ARMATURE (ITEM 15) POSITION.
3. TRIM NEEDLES SO THAT WITH SOLENOIDS ENERGIZED (.735 AMPS) END OF NEEDLE IS .025 TO .035 BEYOND END OF ITEM 2 SURFACE FARTHEST FROM ITEM 15.
4. MARK SITE/DATE CODE AND SERIAL NUMBER PER ITEM 36 PARA 3.0 ON PN AND APPROPRIATE PN REV AND APPROPRIATE REV LTR IN POSITION INDICATED ON ITEM 44 PER PROCESS 1
5. TIGHTEN TO 3±.5 IN-LB
6. TIGHTEN TO 6±1 IN-LB
7. AFTER FINAL GAP ADJUSTMENT, TIGHTEN TO 2±.5 IN-LB
8. ~~IF ITEM 41 IS USED AS ALTERNATE FOR ITEM 4C, USE FROM 10 TO 20 POUNDS PRESS FORCE TO SEAT EACH SET SCREW. ITEM 41 IN ITS BURNISHED REMOVE AND DISCARD RING PORTION OF ITEM 38 BY CUTTING~~ (NOTES CONT SH 2)

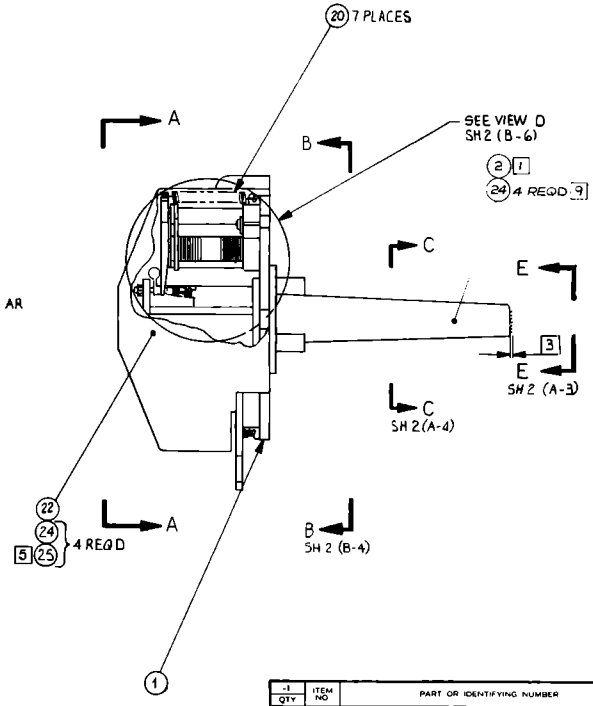
WIRE NO	DESCRIPTION	TOTAL LENGTH	SIGNATURE	START STATION	FINISH STATION	REMARKS	LM ITEM NO
1	COIL ASSEMBLY		SOLENOID 1	E11	E12		4
2			2	E9	E10		
3			3	E13	E14		
4			4	E2	E3		
5			5	E4	E5		
6			6	E1	E8		
7	COIL ASSEMBLY		SOLENOID 7	E6	E7		4

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
C	417012 (C) J Lyons 11-3-76 DELETED ITEMS 21 & 23 CHANGED ITEM 11 P/N WAS 994337-1 ITEM 32 P/N WAS PC2749-135	11-11-76	R Cole
D	CN 416893 ARTHUR CLARK (1) NOTE 4 WAS MARK PER ITEM 36 AND PROCESS 1 WHERE SHOWN (2) ADDED ITEM 37 TO LM (3) ADDED NOTES 5 6 7 AND CALLOUTS TO F/D (4) SHEET 2 ZN D-5 .196 ± .005 WAS .50	4/3/77	
E	CN 423903 (1) DELE ITEM 37 P/N 23003-9 QTY AR (2) ITEM 31 QTY WAS 7 (3) DELETE & APPLY GLYPTAL ITEM 37 FROM NOTE 7 (4) SHEET 2 ZN C-3 ADDED FLAG NOTE 6 TO ITEM (5) SHEET 2 ZN C-6 ADDED FLAG NOTE 5 TO ITEM 24 (6) SHEET A-7 ITEM 32 AR WAS ITEM 31		
F	CN 428043 (1) ADD DASH NO. SCHED (2) ZC8 ADD -0001 ONLY ITEM 17 CALLOUT (3) SH 2 ZC4 ADD ITEM 38 CALLOUT (-0002 ONLY) (4) SH 2 ZB3 ADD -2 MARKING (5) CREATE -2 LM (6) N/A WAS 994183		
G	CN 432335 SH 1 ZB7 DELE ITEM 37 CALLOUT	4/5/77	
H	CN 433778 (C) (1) LM-1 ITEM 1 WAS 417630-0001 (2) REVISED NOTE 1	5/11/78	
T	CN 4403 3 (C) (1) REVISED LM AND PER ENG CHANGES	7/11/78	
K	CN 434114 (D) (1) ADDED NOTES 3 & 6 (2) LM-14-2 ADDED ITEM 42	9/1/78	
L	CN 438914 (D) (1) LM-1 ITEM 32 WAS 1158134-0002 (2) DELETED ITEM 32 G PLG REV NOTE 10	11/30/78	
M	CN 438855 (D) J.B. REF (1) LM-1 -0001 SH 3 ADDED ITEM 43 (2) SH 1, ZN C-3 ADDED ITEM 42 (3) SH 2, ZN D-7 & ADDED NOTE 11 (4) SH 2, ZN B & C-6 ADDED ITEM 43, NOTE 11 CALLOUT, .50 REF DIA, 1 REL DIA TED ITEM 3 CALLOUT	7/11/79	
N	CN 454917 (D) (1) ADDED ITEM 44 TO LM & F/D (2) ADDED PROCESS 2 AND NOTES 12 & 13 (3) REVISED NOTE 4 AND SECT B-B	11/8/79	
P	CN 452348 (D) J.E. Murray (1) ITEM 5 QTY WAS 00350.00 P/N WAS 994298-1	5/6/80	
R	CN 459127 (D) (1) ITEM -2 QTY OF ITEM 20 WAS 1	6/3/80	

(REV CONT SH 2)





994258-0002	PRINTHEAD ASSY, 3 COPY
994258-0001	PRINTHEAD ASSY
PART NUMBER	DESCRIPTION

REV STATUS OF SHEETS	REV	V	V		
	SH	1	2		

PARTS LIST

-1 QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES
2	SLDR	127-01	DO		
1	MARK	100-02	21	HEIGHT .12 COLOR BLACK	4
SEQ NO	IDENT	F.SPEC	NO	ADDITIONAL	NOTES
PROCESS			CLASSIFICATION		

PROCESSES — FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 729467

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES: ANGLES ±1°; 3 PLACE DECIMALS ±.010; 2 PLACE DECIMALS ±.02
- INTERPRET DRAWING PER MIL-D-1000
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 F.I.M.
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

.013 THRU .039 ±.001	.126 THRU .250 ±.001	.251 THRU .500 ±.001
.501 THRU .750 ±.001	.751 THRU 1.000 ±.001	1.001 THRU 2.000 ±.001

994291	8733
NEXT ASSY	USED ON
APPLICATION	

DRAWN 11/4/76 — CHECKED 11/8/76 — ENGR APPROVAL 11/8/76 — MFG APPROVAL 11/8/76 — QUAL APPROVAL 11/8/76

TEXAS INSTRUMENTS INCORPORATED Dallas, Texas

PRINTHEAD ASSEMBLY

SIZE D — CAGE NO 96214 — DRAWING NO 994258 — SCALE 2/1 — SHEET 1 OF 2

9-79

6-80

NOTES: CONT:

9 TIGHTEN ITEM 24 UNTIL FLANGE OF ITEM 3 IS DEFORMED NOT LESS THAN WHEN THE TOP OF THE SCREW WASHER IS FLUSH WITH THE TOP OF THE FLANGE AND NOT MORE THAN 1/2 OF THE FLANGE THICKNESS

10 TIGHTEN ITEM 33 UNTIL SCREWHEAD BOTTOMS AGAINST DISK, PLUS 1/8 TO 1/4 TURN MAX APPLY DROP OF SEALING COMPOUND, ITEM 42, INSURING CONTACT WITH BOTH SCREWHEAD AND ADJUSTMENT DISK. OVERFLOW OF SEALING COMPOUND, ITEM 42, MAY CONTACT A MAXIMUM OF TWO NUTS, ITEM 34

11 WRAP A 3.00 ± .25 LENGTH OF TAPE (ITEM 43) AROUND THE INDICATED PORTION OF THE REAR GUIDE (ITEM 3)

NOTES: CONT:

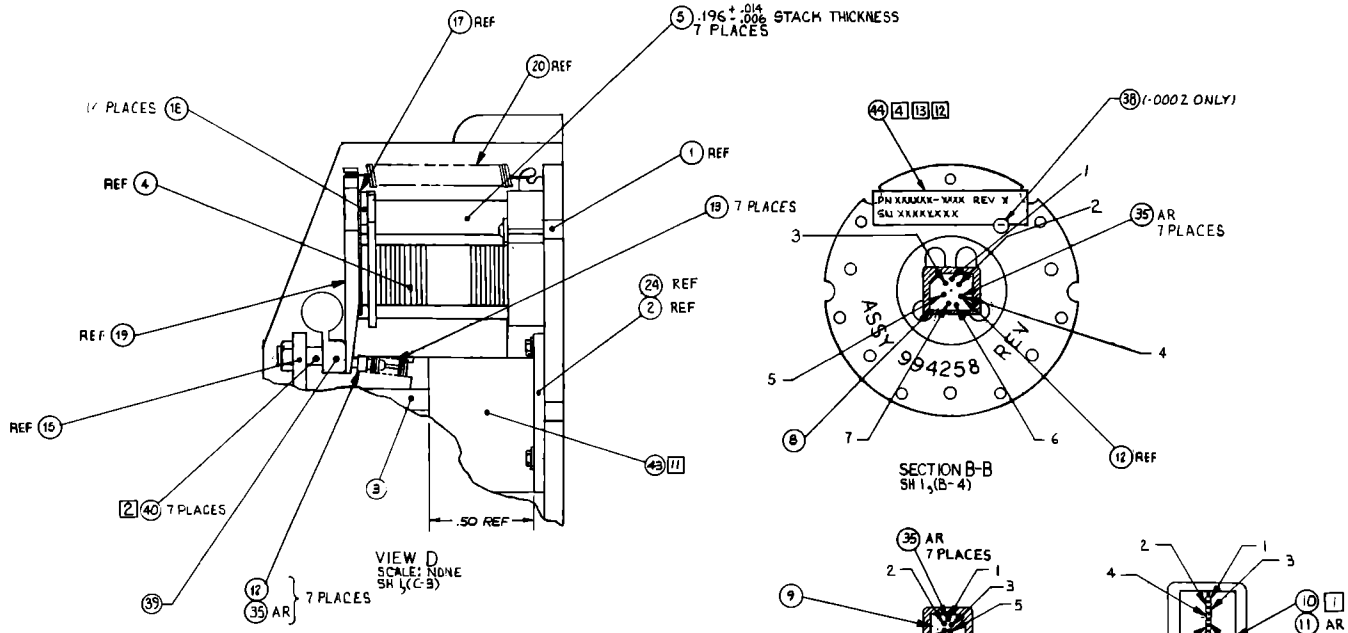
12 CORNERS OF ITEM 44 MAY FOLD OVER DUE TO NOTCHES IN ITEM 1

13 INSTALL LABEL, ITEM 44, AFTER INSTALLING COVER, ITEM 22

14 ADJUST GAP ADJUSTMENT SCREW (ITEM 40) SO THAT WHEN SOLENOID CURRENT IS REMOVED, END OF NEEDLE IS 0.0020 ± 0.0005 FROM END OF ITEM 2 OR ITEM 10 (WHICHEVER PROTRUDES FARTHEST)

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
T	CN465654 (D) M Hudson (1) ON -0001 & -0002 LM'S. DELETED ITEMS 14 AND 41(2) ON SH 2. REVISED TOLERANCE OF .196 BY ITEM 5 (3) DELETED NOTE 8	12/15/80	
U	CN477273 (D) M Hudson (1) REVISED NOTE 10	8-20-81	
V	CN477677 (D) PR (1) UPDATED LM	9/8/81	
2) REVISED NOTE 3 AND 13 ADDED NOTE 14			



SIZE	CODE IDENT NO	DRAWING NO	REV
D	96214	994258	
SCALE 2/1	REV V	SHEET 2	

D 994258

List of Materials

01/28/84

PART NUMBER	REV	DESCRIPTION
0994258-0001	V	PRINTHEAD ASSEMBLY

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994271-0001	PLATE,MOUNTING 1680-0271-030	EA
0002	00001.000	0994295-0001	HOUSING,NEEDLE 1255-0029-018	EA
0003	00001.000	0994280-0001	GUIDE,REAR 1255-0023-000	EA
0004	00007.000	0994272-0001	COIL ASSY 0000-0000-000	EA
0005	00098.000	0994298-0002	LAMINATION,SOLENOID	EA
0006	00001.000	0994245-0001	PWB,PRINTHEAD	EA
0007	00001.000	0994334-0001	SEPARATOR,WIRE 1255-0034-000	EA
0008	00001.000	0994283-0001	BEARING,REAR 1255-0025-023	EA
0009	00001.000	0994282-0001	BEARING,FRONT 1255-0024-027	EA
0010	00001.000	0994332-0001	BEARING,JEWELLED	EA
0011	00000.001	0996527-0002	ADHESIVE,LOCTITE 414 SUPER BONDER 005972-414 1 OZ	BT
0012	00007.000	2215580-0001	NEEDLE 1255-1584-021	EA
0013	00007.000	0994278-0001	SPRING,NEEDLE,COMP .072 X .240 LONG	EA
0015	00001.000	0994281-0001	DISC,ADJUSTMENT 1680-0281-032	EA
0017	00007.000	0994284-0001	SPACER,GAP	EA
0018	00014.000	0994276-0001	BUSHING 1255-0022-018	EA
0019	00007.000	0994275-0001	ARMATURE	EA
0020	00007.000	0994277-0001	SPRING,ARMATURE	EA
0022	00001.000	0994331-0001	COVER,PRINTHEAD 1255-0033-020	EA
0024	00008.000	0972679-0004	SCREW # 2-28 X 3/8 SLOTTED HEX	EA
0025	00004.000	0416622-0020	WASHER, FLAT .105 ID X.250 OD X.016 THK QPL -AN960C3L	EA
0026	00002.000	0972988-0014	SCREW 4-40 X .312 PAN HEAD CRES	EA
0027	00002.000	0972988-0015	SCREW 4-40 X .375 PAN HEAD CRES	EA
0028	00001.000	0972988-0016	SCREW 4-40 X .438 PAN HEAD CRES	EA
0029	00002.000	0972988-0018	SCREW 4-40 X .625 PAN HEAD CRES	EA
0030	00006.000	0416622-0011	WASHER #4 FLAT QPL - AN960C4L	EA
0031	00006.000	0411104-0135	WASHER, LOCK-SPRING, HELICAL, #4 QPL - MS35338-135	EA
0032	AR	0996552-0002	ADHESIVE,50CC BOTTLE,WELD AND POROSITY 005972-290-31	EA
0033	00001.000	0972679-0009	SCREW #4-20 X 3/8"LG THD FORM,HEX	EA
0034	00007.000	0416453-0019	NUT,PLAIN 2-56 UNC-2B HEX CRES,SMALL QPL - NAS671C2	EA
0035	AR	0232573-0001	OIL #43 TERRESTIC 024522-TERRESTIC 43	EA

List of Materials

01/28/84

PART NUMBER	REV	DESCRIPTION
0994258-0001	V	PRINTHEAD ASSEMBLY

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0036	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0039	00001.000	0994494-0001	BUMPER, PRINTHEAD 1255-0041-016	EA
0040	00007.000	0994524-0001	SET SCREW,BUMPER ADJUSTING PRINTHEAD	EA
0042	AR	0417741-0001	COMPOUND, SEALING 001195-TORQUE SEAL	TU
0043	00000.250	0411435-0416	INSUL TAPE, ELEC, 1/2"W -SEE TI DWG	RL
0044	00001.000	0232208-3500	LABEL WIRE MARKER DATABS VINYL CLOTH 1286-2208-000	EA
0045	00000.000	0994274-0001	NEEDLE 1255-0021-000	EA
0045A			MAY BE USED AS ALTERNATE TO 1255-0021-000	
0045B			ITEM 12 1255-0021-000	
0046	00000.000	2215580-0003	NEEDLE, IMPACT PRINTER, HOOK 1255-0063-000	EA
0046A			MAY BE USED AS ALTERNATE TO 1255-0063-000	
0046B			ITEM 12 1255-0063-000	
9999	00001.000	0239999-9999	COST, SHRINKAGE	EA

01/28/84

PART NUMBER	REV	DESCRIPTION
0994258-0002	V	PRINTHEAD ASSY, 9 COPY

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994271-0001	PLATE,MOUNTING 1680-0271-030	EA
0002	00001.000	0994295-0001	HOUSING,NEEDLE 1255-0029-018	EA
0003	00001.000	0994280-0001	GUIDE,REAR 1255-0023-000	EA
0004	00007.000	0994272-0001	COIL ASSY 0000-0000-000	EA
0005	00098.000	0994298-0002	LAMINATION,SOLENOID	EA
0006	00001.000	0994245-0001	PWB,PRINTHEAD	EA
0007	00001.000	0994334-0001	SEPARATOR,WIRE 1255-0034-000	EA
0008	00001.000	0994283-0001	BEARING,REAR 1255-0025-023	EA
0009	00001.000	0994282-0001	BEARING,FRONT 1255-0024-027	EA
0010	00001.000	0994332-0001	BEARING,JEWELLED	EA
0011	00000.001	0996527-0002	ADHESIVE,LOCTITE 414 SUPER BONDER 005972-414 1 OZ	BT

List of Materials

01/28/84

PART NUMBER	REV	DESCRIPTION.....
0994258-0002	V	PRINTHEAD ASSY, 9 COPY

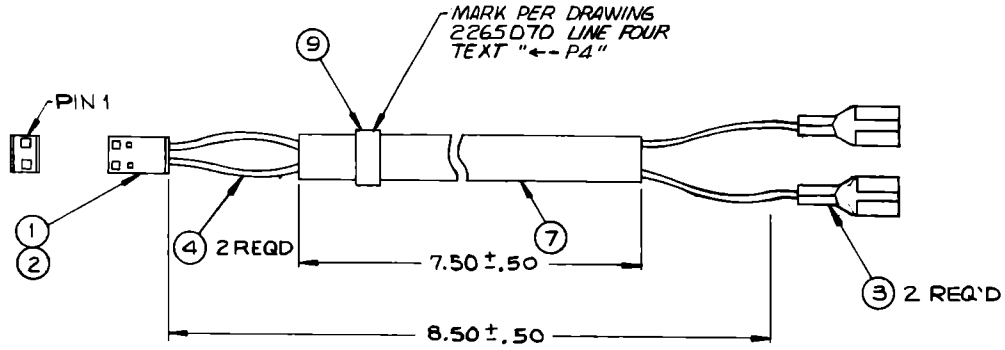
ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0012	00007.000	2215580-0001	NEEDLE 1255-1584-021	EA
0013	00007.000	0994278-0001	SPRING,NEEDLE,COMP .072 X .240 LONG	EA
0015	00001.000	0994281-0001	DISC,ADJUSTMENT 1680-0281-032	EA
0018	00014.000	0994276-0001	BUSHING 1255-0022-018	EA
0019	00007.000	0994275-0001	ARMATURE	EA
0020	00007.000	0994277-0001	SPRING,ARMATURE	EA
0022	00001.000	0994331-0001	COVER,PRINTHEAD 1255-0033-020	EA
0024	00008.000	0972679-0004	SCREW # 2-28 X 3/8 SLOTTED HEX	EA
0025	00004.000	0416622-0020	WASHER, FLAT .105 ID X.250 OD X.016 THK QPL -AN960C3L	EA
0026	00002.000	0972988-0014	SCREW 4-40 X .312 PAN HEAD CRES	EA
0027	00002.000	0972988-0015	SCREW 4-40 X .375 PAN HEAD CRES	EA
0028	00001.000	0972988-0016	SCREW 4-40 X .438 PAN HEAD CRES	EA
0029	00002.000	0972988-0018	SCREW 4-40 X .625 PAN HEAD CRES	EA
0030	00006.000	0416622-0011	WASHER #4 FLAT QPL - AN960C4L	EA
0031	00006.000	0411104-0135	WASHER, LOCK-SPRING, HELICAL, #4 QPL - MS35338-135	EA
0032	AR	0996552-0002	ADHESIVE,50CC BOTTLE,WELD AND POROSITY 005972-290-31	EA
0033	00001.000	0972679-0009	SCREW #4-20 X 3/8"LG THD FORM,HEX	EA
0034	00007.000	0416453-0019	NUT,PLAIN 2-56 UNC-2B HEX CRES,SMALL QPL - NAS671C2	EA
0035	AR	0232573-0001	OIL #43 TERRESTIC 024522-TERRESTIC 43	EA
0036	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0038	00000.007	0231792-0006	COLOR DOT,BLUE .250 DIA. 085480-QD25 BLUE	SH
0039	00001.000	0994494-0001	BUMPER, PRINTHEAD 1255-0041-016	EA
0040	00007.000	0994524-0001	SET SCREW,BUMPER ADJUSTING PRINTHEAD	EA
0042	AR	0417741-0001	COMPOUND, SEALING 001195-TORQUE SEAL	TU
0043	00000.250	0411435-0416	INSUL TAPE, ELEC, 1/2"W -SEE TI DWG	RL

List of Materials

01/28/84

PART NUMBER	REV	DESCRIPTION
0994258-0002	V	PRINTHEAD ASSY, 9 COPY

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0044	00001.000	0232208-3500	LABEL WIRE MARKER DATABS VINYL CLOTH 1286-2208-000	EA
0045	00000.000	0994274-0001	NEEDLE 1255-0021-000	EA
0045A			MAY BE USED AS ALTERNATE TO 1255-0021-000	
0045B			ITEM 12 1255-0021-000	
0046	00000.000	2215580-0003	NEEDLE, IMPACT PRINTER, HOOK 1255-0063-000	EA
0046A			MAY BE USED AS ALTERNATE TO 1255-0063-000	
0046B			ITEM 12 1255-0063-000	
9999	00001.000	0239999-9999	COST, SHRINKAGE	EA



REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED
	A	R. Wilson 7-20-76 LM AFFECTED ONLY: ADDED ITEMS 7 & 8		
		FORMAL RELEASE		
	B	408507(D) Edwards 12/21/76 DIM 8.50 WAS 15.0; DIM 7.50 WAS 12.0 ITEM 3 WAS 772163-0002; ITEM 4 WAS 538347-4999, .50 DIM. WAS 1.50	1/17/77	Vitek
C-3 C-4 C-4	C	CN423753 Thomas Thursby 1) ITEM 3 PART NO. WAS 0972171-0032 2) ITEM 4 QTY WAS 1.25 3) ITEM 7 QTY WAS 1.0 PART NO. WAS 0411634-2600 4) ITEM 8 VENDOR PART NO. WAS QPL-MS3368-6 5) DELETED DIMENSION .50 ±.25 6) ADDED "2 REQD" TO BALLOON (4) 7) DELETED P4 FROM CONNETOR 8) PROCESS CALLOUT WAS "MARK PER PROCESS 2"	2/26/77	Henson
	D	CN434161 (E) J. BAIZA 1) CHANGED ITEM 7 ON LM TO P.N. 0972436-0011 SLEEVE, PVC .133 DIA.	9/25/78	Reb Green
C-4	E	CN469078 (D) M. Kuhn 1) ADDED "... FAR SIDE"	6-11-80	Odom
	F	CN452323 (D) J. Higginbotham (1) ON -1 LM: ITEM 3 P/N WAS 0972171-0055; ITEM 4 P/N WAS 0538347-3999	10-8-80	Odom
	G	CN477817 (D) J. Higginbotham (1) DELETED ITEM 8 (2) ADDED ITEM 9 (3) IN C-4: DELETED "MARK P4 PER PROCESS 2 FAR SIDE"	4-24-81	Olson
	H	CN495166 (D) M. DURHAM (1) ADDED -5001 LM (2) REVISED -0001 LM	9-9-82	Odom
	J	CN513928 (D) SDodson 12-22-83	12-22-83	R. Keel

PART NUMBER	DESCRIPTION
0994259-5001	BULK CABLE ASSY MATERIAL FOR -0001
0994259-0001	CABLE ASSY, PAPER OUT

SEQ NO	IDENT	F-SPEC	NO	ADDITIONAL
2	MARK	100-07	78	COLOR WHITE TYPE 9
1	MARK	100-07	78	COLOR BLACK TYPE 6
	PROCESS			CLASSIFICATION

FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 729467

PARTS LIST

-2 QTY REQD	-1 QTY REQD	ITEM NO	CODE IDENT	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION

UNLESS OTHERWISE SPECIFIED
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIR
- DIMENSIONAL LIMITS APPLY BEFORE FINISH PROCESSING
- IDENTIFYING NUMBERS SHOWN IN PARENTHESES FOR REFERENCE ONLY
- INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100

HOLE TOLERANCE

.013 THRU .125 ± .004 ± .001	.126 THRU .250 ± .005 ± .001	.251 THRU .500 ± .008 ± .001
.501 THRU .750 ± .008 ± .001	.751 THRU 1.000 ± .010 ± .001	1.001 THRU 2.000 ± .012 ± .001

2222693	8754
994291	8733
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES: ANGLES ± 1° 3 PLACE DECIMALS ± .010 2 PLACE DECIMALS ± .02

		DATE
DWN	O. Sullivan	6-29-76
CHK	Ed Vitek	7/9/76
ENGR		7/6/76
QA		8-4-76
APVD		8/3/76
CONTR NO		
DESIGN ACTIVITY RELEASE		8/9/76

TEXAS INSTRUMENTS INCORPORATED
Equipment Group Dallas, Texas

CABLE ASSY, PAPER OUT

SIZE	CODE IDENT NO	DRAWING NO
C	96214	994259

SCALE 2/1 SHEET

994259 C

340

LM

98-95

List of Materials

01/28/84

PART NUMBER	REV	DESCRIPTION
0994259-0001	J	CABLE ASSY,PAPER OUT

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0972484-0002	CONNECTOR HOUSING 2 CONTACT	EA
			TI8 -7175-6	
0001A			P4	
			TI8 -7175-6	
0005	00000.000	0772707-0035	RECEPTACLE,TERMINAL- 2 CAVITIES	EA
			BEI -65039-035	
0005A			ITEMS 5 & 6 MAY BE USED AS	
			BEI -65039-035	
0005B			ALTERNATES FOR ITEMS 1 & 2.	
			BEI -65039-035	
0005C			ITEMS 5 & 6 CAN ONLY BE	
			BEI -65039-035	
0005D			USED TOGETHER	
			BEI -65039-035	
0101	00001.000	0994259-5001	BULK CABLE ASSY MATERIAL FOR -0001	EA
			1225-0259-095	

01/28/84

PART NUMBER	REV	DESCRIPTION
0994259-5001	J	BULK CABLE ASSY MATERIAL FOR -0001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0002	00002.000	0972104-0001	CONTACT ELEC-LOCKING,WIRE-TO.025 SQ POST	EA
			AMP - 87124-1	
0002A			*ITEM 2 CAN ONLY BE USED	
			AMP - 87124-1	
0002B			*TOGETHER WITH ITEM 1 ON	
			AMP - 87124-1	
0002C			*994259-0001	
			AMP - 87124-1	
0003	00002.000	0996673-0010	TERMINAL,QUICK-CONNECT,24-20 WIRE SIZE	EA
			SEE TI- DRAWING	
0004	00001.500	2210012-3999	WIRE,WHT,UL 1429, 19X34, 22AWG	FT
			6145-3200-000	
0006	00000.000	0972482-0006	CONTACT,ELECTRICAL,CRIMP	EA
			BEI - 75691-006	
0007	00000.750	0972436-0035	INSUL SLVG,#6 PVC .166 ID .020THK	FT
			003890-HT-105C-6	
0009	00001.000	2210317-0001	LABEL,BLANK,CABLE MARKER	EA
			085480-SLPF-19319-4	

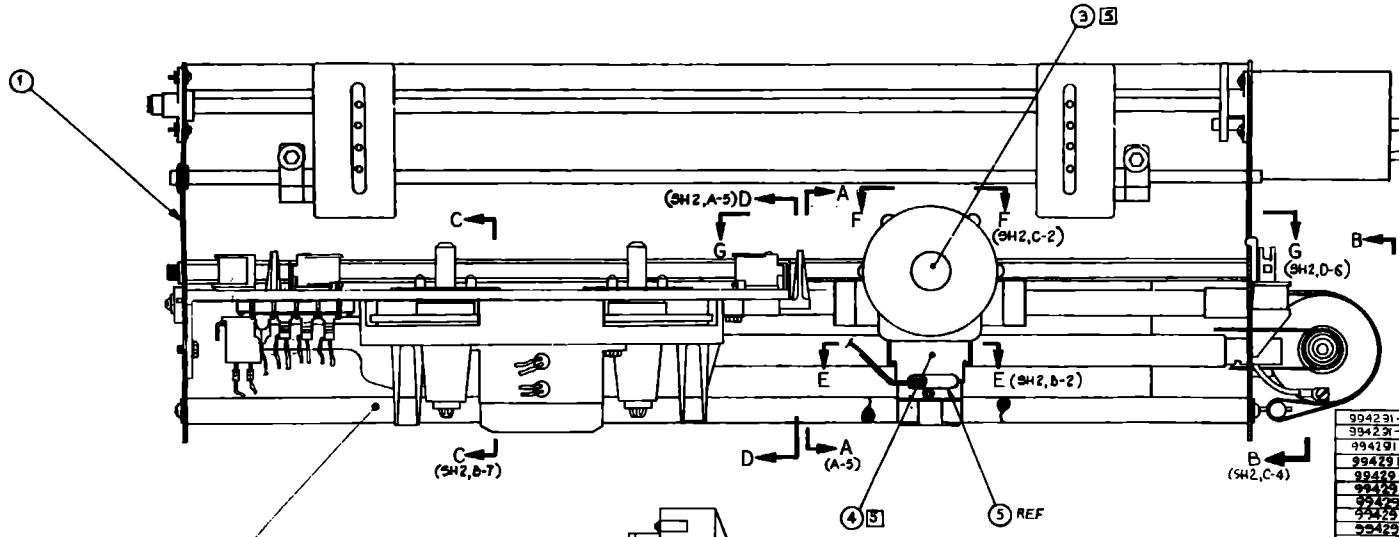
NOTES: UNLESS OTHERWISE SPECIFIED:

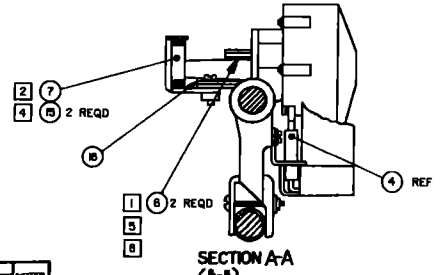
1. TIGHTEN PRINTHEAD MOUNTING NUTS (ITEM 6) TO 5.0 ± 0.5 IN-LBS (FINGERTIGHT PLUS ONE SIXTH (1/6) TURN APPROX)
2. ITEM 7 SHALL BE ASSEMBLED PER DIM SHOWN IN VIEW F-F
3. CENTER RIBBON IN SLOT SO THAT RIBBON DOES NOT TOUCH SIDES OF SHIFT ARM (WHEN ARM IS IN FAR LEFT POSITION) BY ADJUSTING LOWER RIGHT RIBBON GUIDE
4. TIGHTEN ITEM 10 TO 10±1 IN-LBS (-0001 THRU -0007 ONLY)
5. THESE ITEMS ON -0001 THRU -0007 ONLY
6. ON -0008,-0009 & -0012 ASSY LEAVE RIBBON GUIDE (ITEM 7) LOOSE ON CARRIAGE
7. ITEM 13 TO BE INSTALLED ON ALL DASH NUMBERS

DWG NO 994291 REV 1

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
W	CN515747(D) M. DURHAM 4-17-84	4.19.84	JDD





SECTION A-A
(B-5)

CONT SH 2

PART NUMBER	DESCRIPTION
994291-0009	MECHANISM ASSY,EXP 10&8.5 CPI NOP/H
994291-0008	MECHANISM ASSY,EXP 10CPI NO P/H
994291-0007	MECHANISM ASSY,EXP (10+16.5CPI+3COPY P/H)
994291-0006	MECHANISM ASSY,EXP (10CPI+3COPY P/H)
994291-0005	MECHANISM ASSY (10CPI+3COPY P/H)
994291-0004	MECHANISM ASSY,EXP (10+16.5CPI)
994291-0003	MECHANISM ASSY,EXP (10CPI)
994291-0002	MECHANISM ASSY (10+16.5CPI)
994291-0001	MECHANISM ASSY (10CPI)

PARTS LIST

QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES
		2222802	8754		
		994293	8733		
		994292	8733		
NEXT ASSY		USED ON			

APPLICATION

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES: ANGLES ±1°; 3 PLACE DECIMALS ± .010; 2 PLACE DECIMALS ± .03
- INTERPRET TOLERANCING PER MIL-D-1000
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIM
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

.013 THRU .026	.027 THRU .050	.051 THRU .075
LIN .001	LIN .002	LIN .003
MAX .002	MAX .003	MAX .004

.076 THRU .150	.151 THRU .250	.251 THRU .500
LIN .004	LIN .005	LIN .006
MAX .005	MAX .006	MAX .007

DRAWN 10/10/74
CHK 3/21/74
ENGR 4/5/74
QA 4/5/74
APPD 4/5/74

TEXAS INSTRUMENTS INCORPORATED Dallas, Texas

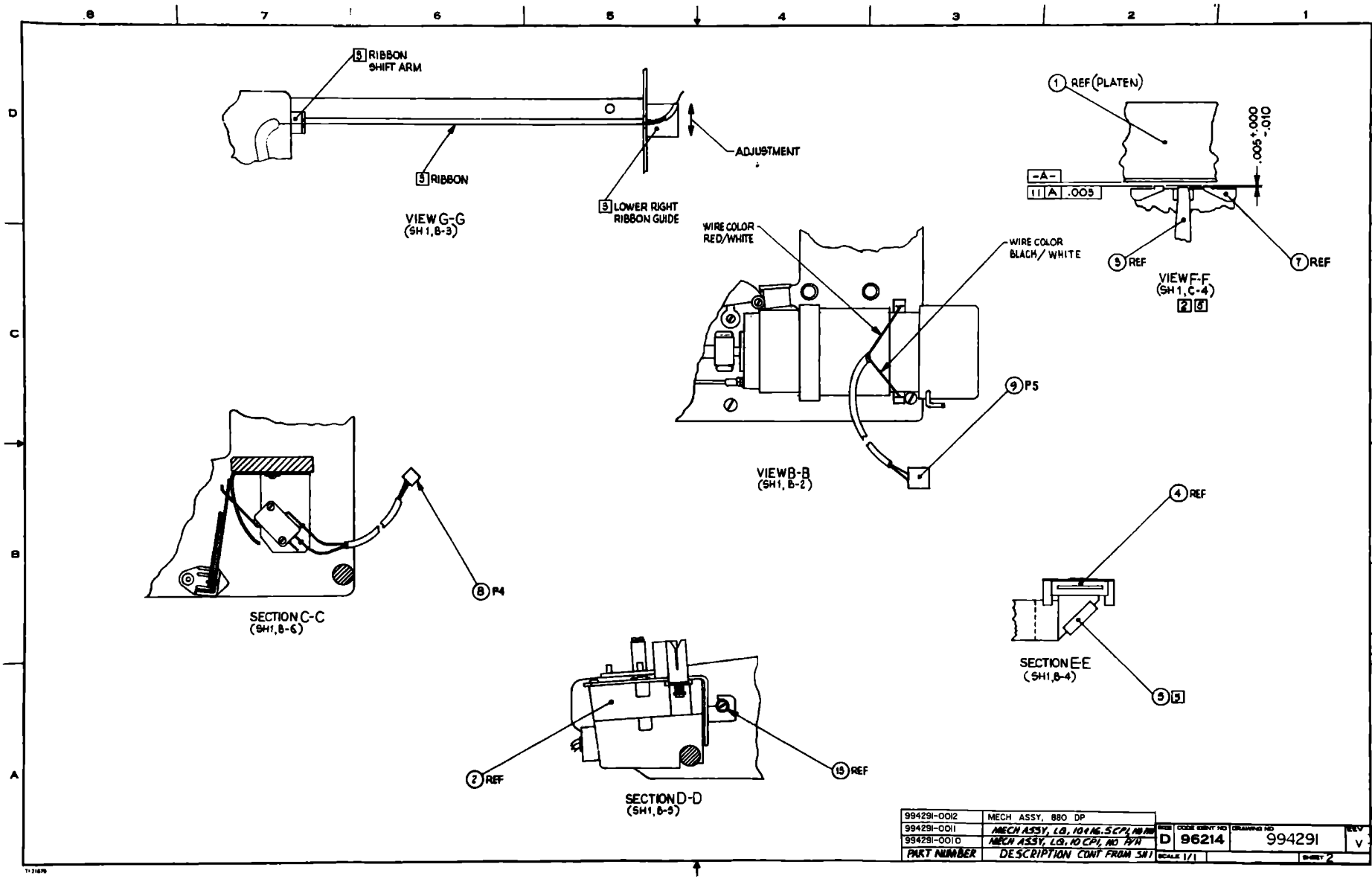
MECHANISM ASSY

SIZE D | DRAWING NO 96214 | DESIGNED NO 994291

SCALE 1/1 | SHEET 1 OF 2

SEQ NO	IDENT	F-SPEC	NO	ADDITIONAL CLASSIFICATION	NOTES
				PROCESS	

PROCESSES — FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 7324D



994291-0012	MECH ASSY, 880 DP				
994291-0011	MECH ASSY, LG, 10 & 15 CPI, NO APN	SIZE D	CODE IDENT NO 96214	DRAWING NO 994291	REV V
994291-0010	MECH ASSY, LG, 10 CPI, NO APN				
PART NUMBER	DESCRIPTION CONT FROM SH 1	SCALE 1/1			SHEET 2

994291 D

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
0994291-0001	W	MECHANISM ASSEMBLY, 10 CPI

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994183-0001	CARR & PAPER DRIVE,810 (REPLACED BY-3) 1225-0000-000	EA
0002	00001.000	2208274-0001	RIBBON DRIVE ASSEMBLY-810 1225-1274-999	EA
0003	00001.000	2217374-0002	PRINTHEAD ASSY,UNIVERSAL -810 1225-2374-000	EA
0004	00001.000	0994349-0001	CABLE ASSY, FLEX 1225-1349-116	EA
0005	00001.000	0983903-0002	CLIP,CABLE 1680-1903-038	EA
0006	00002.000	0994199-0001	NUT,PRINTHEAD	EA
0007	00001.000	0994193-0001	GUIDE,PRINTHEAD-RIBBON 1255-0005-025	EA
0008	00001.000	0994259-0001	CABLE ASSY,PAPER OUT 1225-1259-103	EA
0009	00001.000	0994307-0001	CABLE ASSY,CARRIAGE DRIVE 1225-1307-115	EA
0013	00001.000	2220775-0030	SCREW,TAPTITE,6-32X.375 HEX HD SEE TI- DWG	EA
0015	00002.000	2211691-0018	SEMS,6-19X.500,HEX HEAD,CONE WASHER SEE TI- DRAWING	EA
0016	00000.000	0994258-0001	PRINTHEAD ASSEMBLY 2500-0000-000	EA
0016A			*MAY BE USED AS AN 2500-0000-000	
0016B			*ALTERNATE FOR ITEM 3 2500-0000-000	
0017	00000.000	0994258-0002	PRINTHEAD ASSY, 9 COPY 2500-0000-000	EA
0017A			*MAY BE USED AS AN 2500-0000-000	
0017B			*ALTERNATE FOR ITEM 3 2500-0000-000	
9998	00001.000	0239999-9998	COST, AS REQUIRED	EA
9999	00002.000	0239999-9999	COST, SHRINKAGE	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
0994291-0002	W	MECHANISM ASSEMBLY, 10 & 16.5 CPI

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994183-0002	CARR & PAPER DRIVE,810 (REPLACED BY -4) 0000-0000-000	EA
0002	00001.000	2208274-0001	RIBBON DRIVE ASSEMBLY-810 1225-1274-999	EA
0003	00001.000	2217374-0002	PRINTHEAD ASSY,UNIVERSAL -810 1225-2374-000	EA
0004	00001.000	0994349-0001	CABLE ASSY, FLEX 1225-1349-116	EA
0005	00001.000	0983903-0002	CLIP,CABLE 1680-1903-038	EA
0006	00002.000	0994199-0001	NUT,PRINTHEAD	EA

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
0994291-0002	W	MECHANISM ASSEMBLY, 10 & 16.5 CPI

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0007	00001.000	0994193-0001	GUIDE,PRINTHEAD-RIBBCN 1255-0005-025	EA
0008	00001.000	0994259-0001	CABLE ASSY,PAPER OUT 1225-1259-103	EA
0009	00001.000	0994307-0001	CABLE ASSY,CARRIAGE DRIVE 1225-1307-115	EA
0013	00001.000	2220775-0030	SCREW,TAPTITE,6-32X.375 HEX HD SEE TI- DWG	EA
0015	00002.000	2211691-0018	SEMS,6-19X.500,HEX HEAD,CONE WASHER SEE TI- DRAWING	EA
0016	00000.000	0994258-0001	PRINTHEAD ASSEMBLY 2500-0000-000	EA
0016A			*MAY BE USED AS AN 2500-0000-000	
0016B			*ALTERNATE FOR ITEM 3 2500-0000-000	
0017	00000.000	0994258-0002	PRINTHEAD ASSY, 9 COPY 2500-0000-000	EA
0017A			*MAY BE USED AS AN 2500-0000-000	
0017B			*ALTERNATE FOR ITEM 3 2500-0000-000	
9998	00001.000	0239999-9998	COST, AS REQUIRED	EA
9999	00002.000	0239999-9999	COST, SHRINKAGE	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
0994291-0003	W	MECHANISM ASSEMBLY, EXP., 10 CPI

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994183-0003	CARR & PAPER DRIVE,810 (10 CPI) 1225-2183-000	EA
0002	00001.000	2208274-0001	RIBBON DRIVE ASSEMBLY-810 1225-1274-999	EA
0003	00001.000	2217374-0002	PRINTHEAD ASSY,UNIVERSAL -810 1225-2374-000	EA
0004	00001.000	0994349-0001	CABLE ASSY, FLEX 1225-1349-116	EA
0005	00001.000	0983903-0002	CLIP,CABLE 1680-1903-038	EA
0006	00002.000	0994199-0001	NUT,PRINTHEAD	EA
0007	00001.000	0994193-0001	GUIDE,PRINTHEAD-RIBBCN 1255-0005-025	EA
0008	00001.000	0994259-0001	CABLE ASSY,PAPER CUT 1225-1259-103	EA
0009	00001.000	0994307-0001	CABLE ASSY,CARRIAGE DRIVE 1225-1307-115	EA
0013	00001.000	2220775-0032	SCREW,TAPTITE,6-32X.500",HEX HD SEE TI- DRAWING	EA
0014	REF	0997012-9901	TST PROC FUNCTIONAL TSTR 810 DR MECH	EA

List of Materials

05/12/84

PART NUMBER REV DESCRIPTION.....
0994291-0003 W MECHANISM ASSEMBLY, EXP., 10 CPI

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0015	00002.000	2211691-0018	SEMS,6-19X.500,HEX HEAD,CONE WASHER SEE TI- DRAWING	EA
0016	00000.000	0994258-0001	PRINTHEAD ASSEMBLY 2500-0000-000	EA
0016A			*MAY BE USED AS AN 2500-0000-000	
0016B			*ALTERNATE FOR ITEM 3 2500-0000-000	
0017	00000.000	0994258-0002	PRINTHEAD ASSY, 9 COPY 2500-0000-000	EA
0017A			*MAY BE USED AS AN 2500-0000-000	
0017B			*ALTERNATE FOR ITEM 3 2500-0000-000	
9998	00001.000	0239999-9998	COST, AS REQUIRED	EA
9999	00002.000	0239999-9999	COST, SHRINKAGE	EA

05/12/84

PART NUMBER REV DESCRIPTION.....
0994291-0004 W MECHANISM ASSEMBLY, EXP., 10 & 16.5 CPI

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	0994183-0004	CARR & PAPER DRIVE,810 (10/16 CPI) 1225-4283-000	EA
0002	00001.000	2208274-0001	RIBBON DRIVE ASSEMBLY-810 1225-1274-999	EA
0003	00001.000	2217374-0002	PRINTHEAD ASSY,UNIVERSAL -810 1225-2374-000	EA
0004	00001.000	0994349-0001	CABLE ASSY, FLEX 1225-1349-116	EA
0005	00001.000	0983903-0002	CLIP,CABLE 1680-1903-038	EA
0006	00002.000	0994199-0001	NUT,PRINTHEAD	EA
0007	00001.000	0994193-0001	GUIDE,PRINTHEAD-RIBBON 1255-0005-025	EA
0008	00001.000	0994259-0001	CABLE ASSY,PAPER CUT 1225-1259-103	EA
0009	00001.000	0994307-0001	CABLE ASSY,CARRIAGE DRIVE 1225-1307-115	EA
0013	00001.000	2220775-0032	SCREW,TAPTITE,6-32X.500",HEX HD SEE TI- DRAWING	EA
0014	REF	0997012-9901	TST PROC FUNCTIONAL TSTR 810 OR MECH	EA
0015	00002.000	2211691-0018	SEMS,6-19X.500,HEX HEAD,CONE WASHER SEE TI- DRAWING	EA
0016	00000.000	0994258-0001	PRINTHEAD ASSEMBLY 2500-0000-000	EA
0016A			*MAY BE USED AS AN 2500-0000-000	
0016B			*ALTERNATE FOR ITEM 3 2500-0000-000	
0017	00000.000	0994258-0002	PRINTHEAD ASSY, 9 COPY 2500-0000-000	EA
0017A			*MAY BE USED AS AN 2500-0000-000	
0017B			*ALTERNATE FOR ITEM 3 2500-0000-000	

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
0994291-0004	W	MECHANISM ASSEMBLY, EXP., 10 & 16.5 CPI

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
9998	00001.000	0239999-9998	COST, AS REQUIRED	EA
9999	00002.000	0239999-9999	COST, SHRINKAGE	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
0994291-0005	W	MECHANISM ASSY, (10 CPI & 9 COPY P/H)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994183-0001	CARR & PAPER DRIVE,810 (REPLACED BY-3) 1225-0000-000	EA
0002	00001.000	2208274-0001	RIBBON DRIVE ASSEMBLY-810 1225-1274-999	EA
0003	00001.000	2217374-0002	PRINTHEAD ASSY,UNIVERSAL -810 1225-2374-000	EA
0004	00001.000	0994349-0001	CABLE ASSY, FLEX 1225-1349-116	EA
0005	00001.000	0983903-0002	CLIP,CABLE 1680-1903-038	EA
0006	00002.000	0994199-0001	NUT,PRINTHEAD	EA
0007	00001.000	0994193-0001	GUIDE,PRINTHEAD-RIBBON 1255-0305-025	EA
0008	00001.000	0994259-0001	CABLE ASSY,PAPER OUT 1225-1259-103	EA
0009	00001.000	0994307-0001	CABLE ASSY,CARRIAGE DRIVE 1225-1307-115	EA
0013	00001.000	2220775-0030	SCREW,TAPTITE,6-32X.375 HEX HD SEE TI- DWG	EA
0015	00002.000	2211691-0018	SEMS,6-19X.500,HEX HEAD,CONE WASHER SEE TI- DRAWING	EA
0017	00000.000	0994258-0002	PRINTHEAD ASSY, 9 COPY 2500-0000-000	EA
0017A			*MAY BE USED AS AN 2500-0000-000	
0017B			*ALTERNATE FOR ITEM 3 2500-0000-000	
9998	00001.000	0239999-9998	COST, AS REQUIRED	EA
9999	00002.000	0239999-9999	COST, SHRINKAGE	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
0994291-0006	W	MECHANISM ASSY,EXP.(10CPI & 9COPY P/H)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994183-0003	CARR & PAPER DRIVE,810 (10 CPI) 1225-2183-000	EA
0002	00001.000	2208274-0001	RIBBON DRIVE ASSEMBLY-810 1225-1274-999	EA
0003	00001.000	2217374-0002	PRINTHEAD ASSY,UNIVERSAL -810 1225-2374-000	EA
0004	00001.000	0994349-0001	CABLE ASSY, FLEX 1225-1349-116	EA

List of Materials

05/12/84

PART NUMBER REV DESCRIPTION.....
0994291-0006 W MECHANISM ASSY,EXP.(10CPI & 9COPY P/H)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0005	00001.000	0983903-0002	CLIP,CABLE 1680-1903-038	EA
0006	00002.000	0994199-0001	NUT,PRINTHEAD	EA
0007	00001.000	0994193-0001	GUIDE,PRINTHEAD-RIBBON 1255-0005-025	EA
0008	00001.000	0994259-0001	CABLE ASSY,PAPER OUT 1225-1259-103	EA
0009	00001.000	0994307-0001	CABLE ASSY,CARRIAGE DRIVE 1225-1307-115	EA
0013	00001.000	2220775-0032	SCREW,TAPTITE,6-32X.500",HEX HD SEE TI- DRAWING	EA
0014	REF	0997012-9901	TST PROC FUNCTIONAL TSTR 810 OR MECH	EA
0015	00002.000	2211691-0018	SEMS,6-19X.500,HEX HEAD,CONE WASHER SEE TI- DRAWING	EA
0017	00000.000	0994258-0002	PRINTHEAD ASSY, 9 COPY 2500-0000-000	EA
0017A			*MAY BE USED AS AN 2500-0000-000	
0017B			*ALTERNATE FOR ITEM 3 2500-0000-000	
9998	00001.000	0239999-9998	COST, AS REQUIRED	EA
9999	00002.000	0239999-9999	COST, SHRINKAGE	EA

05/12/84

PART NUMBER REV DESCRIPTION.....
0994291-0007 W MECH ASSY,EXP.(10&16.5CPI & 9 COPY P/H)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	0994183-0004	CARR & PAPER DRIVE,810 (10/16 CPI) 1225-4283-000	EA
0002	00001.000	2208274-0001	RIBBON DRIVE ASSEMBLY-810 1225-1274-999	EA
0003	00001.000	2217374-0002	PRINTHEAD ASSY,UNIVERSAL -810 1225-2374-000	EA
0004	00001.000	0994349-0001	CABLE ASSY, FLEX 1225-1349-116	EA
0005	00001.000	0983903-0002	CLIP,CABLE 1680-1903-038	EA
0006	00002.000	0994199-0001	NUT,PRINTHEAD	EA
0007	00001.000	0994193-0001	GUIDE,PRINTHEAD-RIBBON 1255-0005-025	EA
0008	00001.000	0994259-0001	CABLE ASSY,PAPER OUT 1225-1259-103	EA
0009	00001.000	0994307-0001	CABLE ASSY,CARRIAGE DRIVE 1225-1307-115	EA
0013	00001.000	2220775-0032	SCREW,TAPTITE,6-32X.500",HEX HD SEE TI- DRAWING	EA
0014	REF	0997012-9901	TST PROC FUNCTIONAL TSTR 810 OR MECH	EA
0015	00002.000	2211691-0018	SEMS,6-19X.500,HEX HEAD,CONE WASHER SEE TI- DRAWING	EA

List of Materials

05/12/84

PART NUMBER REV DESCRIPTION.....
0994291-0007 W MECH ASSY,EXP.(10&16.5CPI & 9 COPY P/H)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0017	00000.000	0994258-0002	PRINTHEAD ASSY, 9 COPY 2500-0000-000	EA
0017A			*MAY BE USED AS AN 2500-0000-000	
0017B			*ALTERNATE FOR ITEM 3 2500-0000-000	
9999	00002.000	0239999-9999	COST, SHRINKAGE	EA

05/12/84

PART NUMBER REV DESCRIPTION.....
0994291-0008 W MECH ASSY,EXP,10CPI NC P/H

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	0994183-0003	CARR & PAPER DRIVE,810 (10 CPI) 1225-2183-000	EA
0007	00001.000	0994193-0001	GUIDE,PRINTHEAD-RIBBON 1255-0005-025	EA
0008	00001.000	0994259-0001	CABLE ASSY,PAPER CUT 1225-1259-103	EA
0009	00001.000	0994307-0001	CABLE ASSY,CARRIAGE DRIVE 1225-1307-115	EA
0013	00001.000	2220775-0032	SCREW,TAPTITE,6-32X.500",HEX HD SEE TI- DRAWING	EA
0014	REF	0997012-9901	TST PROC FUNCTIONAL TSIR 810 DR MECH	EA
0015	00002.000	2211691-0018	SEMS,6-19X.500,HEX HEAD,CONE WASHER SEE TI- DRAWING	EA
0016	00001.000	2232608-0001	SPACER, PRINT ENHANCEMENT - 810 1255-0082-003	EA
9999	00000.000	0239999-9999	COST, SHRINKAGE	EA

05/12/84

PART NUMBER REV DESCRIPTION.....
0994291-0009 W MECH ASSY,EXP,10 & 16.5 CPI NO P/H

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	0994183-0004	CARR & PAPER DRIVE,810 (10/16 CPI) 1225-4283-000	EA
0007	00001.000	0994193-0001	GUIDE,PRINTHEAD-RIBBON 1255-0005-025	EA
0008	00001.000	0994259-0001	CABLE ASSY,PAPER CUT 1225-1259-103	EA
0009	00001.000	0994307-0001	CABLE ASSY,CARRIAGE DRIVE 1225-1307-115	EA
0013	00001.000	2220775-0032	SCREW,TAPTITE,6-32X.500",HEX HD SEE TI- DRAWING	EA
0014	REF	0997012-9901	TST PROC FUNCTIONAL TSIR 810 DR MECH	EA
0015	00002.000	2211691-0018	SEMS,6-19X.500,HEX HEAD,CONE WASHER SEE TI- DRAWING	EA
0016	00001.000	2232608-0001	SPACER, PRINT ENHANCEMENT - 810 1255-0082-003	EA
9999	00000.000	0239999-9999	COST, SHRINKAGE	EA

NOTES: UNLESS OTHERWISE SPECIFIED:
1. TORQUE SPECIFICATIONS FOR TOP ASSEMBLY HARDWARE AND REQUIRED LOCATIONAL DIMENSIONS ARE CALLED OUT ON DRAWING NO. 2230487

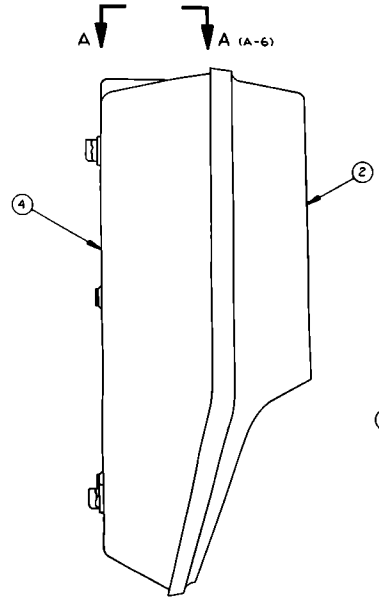
[2] A CUSTOMER'S SPECIAL LABEL MAY BE SUBSTITUTED FOR THE TI IDENTIFICATION LABEL WHEN SO SPECIFIED ON THE SALES ORDER

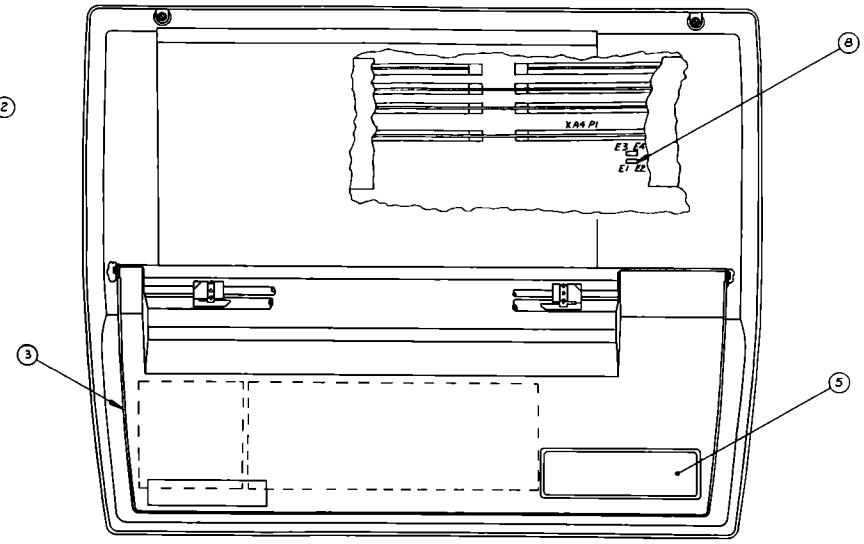
DWG NO 994292 SH

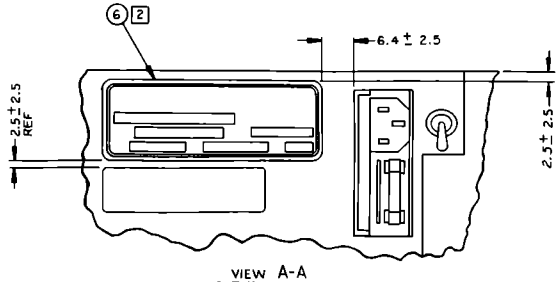
REVISIONS

REV	DESCRIPTION	DATE	APPROVED
BR	CN50352(D)M (1) REPLACED REV BP WITH REV BR DRAWING AND LM (2) REV BP DRAWING WAS 2 SHEETS, E SIZE	12/6/82	
BT	CN 505433 (D) J.TBA12A	6-11-83	

(1) ITEM 5 PART NO. WAS 2360095-1
(2) ADDED ITEM 12, 13, 14 TO DASH -7, 8, 9 OF 994292







VIEW A-A
ROTATED 90° CCW
(D-7)

CONVERSION CHART	
MM	INCHES
0.25	.010
0.5	.02
2.5 ± 2.5	.10 ± .10
6.4 ± 2.5	.25 ± .10

994292-0009	810 PRINTER ASSY, LQ VFC
994292-0008	810 PRINTER ASSY, LQ FORMS LG CONTROL
994292-0007	810 PRINTER ASSY, LQ BASIC
994292-0006	810 PRINTER ASSY, VFC, 9 COPY P/H
994292-0005	810 PRINTER ASSY, FORMS LG, 9 COPY P/H
994292-0004	810 PRINTER ASSY, BASIC, 9 COPY P/H
994292-0003	810 PRINTER ASSY, VERTICAL FORMS CONTROL
994292-0002	810 PRINTER ASSY, FORMS LG CONTROL
994292-0001	810 PRINTER ASSY, BASIC
PART NUMBER	DESCRIPTION

-3 QTY	-2 QTY	-1 QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	NOTES

PARTS LIST

SEQ NO	IDENT	P-SPEC	NO	ADDITIONAL
	PROCESS			CLASSIFICATION

PROCESSES — FOR CORRELATION TO GOVT AND SPECIFICATIONS, SEE TI DRAWING 729487

NOTES | REV STATUS OF SHEETS | REV | SH

994310 NEXT ASSY | 8733 USED ON | APPLICATION

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN MILLIMETERS
- TOLERANCES: 2 PLACE DECIMALS ± 0.25
- 1 PLACE DECIMALS ± 0.5 ANGLES ± 1°
- INTERPRET DRAWING PER ASD-D-1000
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS 0.25 FIM
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE | THIRD ANGLE PROJECTION

0.33 THRU 3.18	± 0.10-0.03
3.20 THRU 6.35	± 0.13-0.03
6.38 THRU 12.70	± 0.15-0.03
12.73 THRU 19.05	± 0.20-0.03
19.08 THRU 38.40	± 0.23-0.03
38.43 THRU 88.90	± 0.33-0.03

DRAWN M Nunn DATE 10-7-82
ENG R Calgaro 12/4/82
APPD
CHKD 12-21-82
MFG R Calgaro 12/21/82
QUAL R Calgaro 12/21/82

TEXAS INSTRUMENTS INCORPORATED
Digital Systems Group

SI-METRIC

810 PRINTER ASSY

SIZE D | PROJECT NO D06668 | DRAWING NO 994292

SCALE NONE | SHEET

300

2 FILMED | LM

E 15

9-95

List of Materials

05/12/84

PART NUMBER 0994292-0001 REV BT DESCRIPTION..... 810 PRINTER ASSY,BASIC

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	2230487-0001	NON-FUNCTIONAL ASSY,EXP,10 CPI-810 1225-1487-000	EA
0002	00001.000	2360021-0001	COVER,810/880 (LT. GRAY) 1255-0067-040	EA
0003	00001.000	0994500-0001	DOOR ASSY, 810 PRINTER 1225-1500-000	EA
0004	00001.000	0994323-0001	BASE/POWER SUPPLY ASSY, 810 1225-1323-999	EA
0005	00001.000	0994555-0001	CONTROL PANEL ASSY, BASIC 1225-1555-000	EA
0006	00001.000	0994415-0001	IDENTIFICATION,KIT 1225-1415-000	EA
0007	00001.000	2230492-0001	KIT,SUPPORT-810 1225-1492-000	EA
0008	00002.000	0972487-0001	JUMPER PLUG,CONNECTOR BLACK 5935-0900-000	EA
9999	00004.000	0235999-9999	COST, SHRINKAGE	EA

05/12/84

PART NUMBER 0994292-0002 REV BT DESCRIPTION..... 810 PRINTER ASSY,FORMS LG CONTROL

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	2230487-0001	NON-FUNCTIONAL ASSY,EXP,10 CPI-810 1225-1487-000	EA
0002	00001.000	2360021-0001	COVER,810/880 (LT. GRAY) 1255-0067-040	EA
0003	00001.000	0994500-0001	DOOR ASSY, 810 PRINTER 1225-1500-000	EA
0004	00001.000	0994323-0001	BASE/POWER SUPPLY ASSY, 810 1225-1323-999	EA
0005	00001.000	0994555-0002	CONTROL PANEL ASSY, FORMS LENGTH (FLC) 1225-2555-000	EA
0006	00001.000	0994415-0001	IDENTIFICATION,KIT 1225-1415-000	EA
0007	00001.000	2230492-0001	KIT,SUPPORT-810 1225-1492-000	EA
0008	00002.000	0972487-0001	JUMPER PLUG,CONNECTOR BLACK 5935-0900-000	EA
9999	00004.000	0235999-9999	COST, SHRINKAGE	EA

05/12/84

PART NUMBER 0994292-0003 REV BT DESCRIPTION..... 810 PRINTER ASSY,VERTICAL FORMS CONTROL

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	2230487-0001	NON-FUNCTIONAL ASSY,EXP,10 CPI-810 1225-1487-000	EA
0002	00001.000	2360021-0001	COVER,810/880 (LT. GRAY) 1255-0067-040	EA
0003	00001.000	0994500-0001	DOOR ASSY, 810 PRINTER 1225-1500-000	EA
0004	00001.000	0994323-0001	BASE/POWER SUPPLY ASSY, 810 1225-1323-999	EA
0005	00001.000	0994555-0004	CONTROL PANEL ASSY,VERT. FCR CCN. (VFC) 1225-4555-000	EA
0006	00001.000	0994415-0001	IDENTIFICATION,KIT 1225-1415-000	EA

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
0994292-0003	BT	810 PRINTER ASSY,VERTICAL FORMS CONTROL

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0007	00001.000	2230492-0001	KIT,SUPPORT-810 1225-1492-000	EA
0008	00002.000	0972487-0001	JUMPER PLUG,CONNECTOR BLACK 5935-0900-000	EA
0011	00001.000	0994319-0002	PROCESSOR KIT,VERTICAL FORMAT CONTROL 1225-2319-000	EA
9999	00004.000	0239999-9999	COST, SHRINKAGE	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
0994292-0004	BT	810 PRINTER ASSY,BASIC,9COPY P/H

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2230497-0001	NON-FUNCTIONAL ASSY,EXP,10 CPI-810 1225-1487-000	EA
0002	00001.000	2360021-0001	COVER,810/880 (LT. GRAY) 1255-0067-040	EA
0003	00001.000	0994500-0001	DOOR ASSY, 810 PRINTER 1225-1500-000	EA
0004	00001.000	0994323-0001	BASE/POWER SUPPLY ASSY, 810 1225-1323-999	EA
0005	00001.000	0994555-0001	CONTROL PANEL ASSY, BASIC 1225-1555-000	EA
0006	00001.000	0994415-0001	IDENTIFICATION,KIT 1225-1415-000	EA
0007	00001.000	2230492-0001	KIT,SUPPORT-810 1225-1492-000	EA
0008	00002.000	0972487-0001	JUMPER PLUG,CONNECTOR BLACK 5935-0900-000	EA
9999	00004.000	0239999-9999	COST, SHRINKAGE	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
0994292-0005	BT	810 PRINTER ASSY,FORMS LG,9COPY P/H

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2230487-0001	NON-FUNCTIONAL ASSY,EXP,10 CPI-810 1225-1487-000	EA
0002	00001.000	2360021-0001	COVER,810/880 (LT. GRAY) 1255-0067-040	EA
0003	00001.000	0994500-0001	DOOR ASSY, 810 PRINTER 1225-1500-000	EA
0004	00001.000	0994323-0001	BASE/POWER SUPPLY ASSY, 810 1225-1323-999	EA
0005	00001.000	0994555-0002	CONTROL PANEL ASSY, FORMS LENGTH (FLC) 1225-2555-000	EA
0006	00001.000	0994415-0001	IDENTIFICATION,KIT 1225-1415-000	EA
0007	00001.000	2230492-0001	KIT,SUPPORT-810 1225-1492-000	EA
0008	00002.000	0972487-0001	JUMPER PLUG,CONNECTOR BLACK 5935-0900-000	EA
9999	00004.000	0239999-9999	COST, SHRINKAGE	EA

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
0994292-0006	BT	810 PRINTER ASSY,VFC,SCOPY P/U

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2230487-0001	NON-FUNCTIONAL ASSY,EXP,13 CPI-810 1225-1487-000	EA
0002	00001.000	2360021-0001	COVER,810/880 (LT. GRAY) 1255-0067-040	EA
0003	00001.000	0994500-0001	DOOR ASSY, 810 PRINTER 1225-1500-000	EA
0004	00001.000	0994323-0001	BASE/POWER SUPPLY ASSY, 810 1225-1323-999	EA
0005	00001.000	0994555-0004	CONTROL PANEL ASSY,VERT. FOR CON. (VFC) 1225-4555-000	EA
0006	00001.000	0994415-0001	IDENTIFICATION,KIT 1225-1415-000	EA
0007	00001.000	2230492-0001	KIT,SUPPORT-810 1225-1492-000	EA
0008	00002.000	0972487-0001	JUMPER PLUG,CONNECTOR BLACK 5935-0900-000	EA
0011	00001.000	0994319-0002	PROCESSOR KIT,VERTICAL FORMAT CONTROL 1225-2319-000	EA
9999	00004.000	0239999-9999	COST, SHRINKAGE	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
0994292-0007	BT	810 PRINTER ASSY,LQ BASIC

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2230487-0003	NON-FUNCTIONAL ASSY,LQ,10 CPI-810 1225-3487-000	EA
0002	00001.000	2360021-0001	COVER,810/880 (LT. GRAY) 1255-0067-040	EA
0003	00001.000	0994500-0001	DOOR ASSY, 810 PRINTER 1225-1500-000	EA
0004	00001.000	0994323-0001	BASE/POWER SUPPLY ASSY, 810 1225-1323-999	EA
0005	00001.000	0994555-0001	CONTROL PANEL ASSY, BASIC 1225-1555-000	EA
0006	00001.000	0994415-0001	IDENTIFICATION,KIT 1225-1415-000	EA
0007	00001.000	2230492-0001	KIT,SUPPORT-810 1225-1492-000	EA
0008	00002.000	0972487-0001	JUMPER PLUG,CONNECTOR BLACK 5935-0900-000	EA
0009	00001.000	2232575-0001	LETTER QUALITY,2ND GENERATION - 810 1225-1575-012	EA
0010	00001.000	2360090-9701	810 LETTER QUALITY USER MANUAL 1225-0090-000	EA
0012	00000.000	2360095-0001	PWB ASSY, 810 LQ (FULL-SIZE) 1225-1095-016	EA
0012A			*ALT TO ITEM 9,NOT TO BE 1225-1095-016	
0012B			*USED WITH RS422,TTY OR 1225-1095-016	
0012C			*INT'L CHARACTER SET 1225-1095-016	
0013	00001.000	0994294-0001	CARD GUIDE,CENTER 1255-0028-014	EA
0013A			*TO BE USED W/ITEM 9 ONLY 1255-0028-014	
0014	00002.000	0996225-0001	FASTENER,PUSHNUT,REMOVABLE .185/.190 DIA PAL - PZ001935	EA
0014A			*TO BE USED W/ITEM 9 ONLY PAL - PZ001935	

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
0994292-0007	BT	810 PRINTER ASSY,LQ BASIC

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
9999	00004.000	0239999-9999	COST, SHRINKAGE	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
0994292-0008	BT	810 PRINTER ASSY,LQ FORMS LG CONTROL

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2230487-0003	NON-FUNCTIONAL ASSY,LQ,10 CPI-810 1225-3487-000	EA
0002	00001.000	2360021-0001	COVER,810/880 (LT. GRAY) 1255-0067-040	EA
0003	00001.000	0994500-0001	DOOR ASSY, 810 PRINTER 1225-1500-000	EA
0004	00001.000	0994323-0001	BASE/POWER SUPPLY ASSY, 810 1225-1323-999	EA
0005	00001.000	0994555-0003	CON. PANEL ASSY,FL & COMP. PRINT (FCO) 1225-3555-000	EA
0006	00001.000	0994415-0001	IDENTIFICATION,KIT 1225-1415-000	EA
0007	00001.000	2230492-0001	KIT,SUPPORT-810 1225-1492-000	EA
0008	00002.000	0972487-0001	JUMPER PLUG,CONNECTOR BLACK 5935-0900-000	EA
0009	00001.000	2232575-0001	LETTER QUALITY,2ND GENERATION - 810 1225-1575-012	EA
0010	00001.000	2360090-9701	810 LETTER QUALITY USER MANUAL 1225-0090-000	EA
0012	00000.000	2360095-0001	PWB ASSY, 810 LQ (FULL-SIZE) 1225-1095-016	EA
0012A			*ALT TO ITEM 9,NOT TO BE 1225-1095-016	
0012B			*USED WITH RS422,TTY OR 1225-1095-016	
0012C			*INT'L CHARACTER SET 1225-1095-016	
0013	00001.000	0994294-0001	CARD GUIDE,CENTER 1255-0028-014	EA
0013A			*TO BE USED W/ITEM 9 ONLY 1255-0028-014	
0014	00002.000	0996225-0001	FASTENER,PUSHNUT,REMOVABLE .185/.190 DIA PAL - PZ001935	EA
0014A			*TO BE USED W/ITEM 9 ONLY PAL - PZ001935	
9999	00004.000	0239999-9999	COST, SHRINKAGE	EA

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
0994292-0009	BT	810 PRINTER ASSY,LQ VFC

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2230487-0003	NON-FUNCTIONAL ASSY,LQ,10 CPI-810 1225-3487-000	EA
0002	00001.000	2360021-0001	COVER,810/880 (LT. GRAY) 1255-0067-040	EA
0003	00001.000	0994500-0001	DOOR ASSY, 810 PRINTER 1225-1500-000	EA
0004	00001.000	0994323-0001	BASE/POWER SUPPLY ASSY, 810 1225-1323-555	EA
0005	00001.000	0994555-0004	CONTROL PANEL ASSY,VERT. FCR CCN. (VFC) 1225-4555-000	EA
0006	00001.000	0994415-0001	IDENTIFICATION,KIT 1225-1415-000	EA
0007	00001.000	2230492-0001	KIT,SUPPORT-810 1225-1492-000	EA
0008	00002.000	0972487-0001	JUMPER PLUG,CONNECTOR BLACK 5935-0900-000	EA
0009	00001.000	2232575-0001	LETTER QUALITY,2ND GENERATION - 810 1225-1575-012	EA
0010	00001.000	2360090-9701	810 LETTER QUALITY USER MANUAL 1225-0090-000	EA
0011	00001.000	0994319-0002	PROCESSOR KIT,VERTICAL FORMAT CONTROL 1225-2319-000	EA
0012	00000.000	2360095-0001	PWB ASSY, 810 LQ (FULL-SIZE) 1225-1095-016	EA
0012A			*ALT TO ITEM 9,NOT TO BE 1225-1095-016	
0012B			*USED WITH RS422,TTY OR 1225-1095-016	
0012C			*INT'L CHARACTER SET 1225-1095-016	
0013	00001.000	0994294-0001	CARD GUIDE,CENTER 1255-0028-014	EA
0013A			*TO BE USED W/ITEM 9 ONLY 1255-0028-014	
0014	00002.000	0996225-0001	FASTENER,PUSHNUT,REMOVABLE .185/.190 DIA PAL - PZ031935	EA
9999	00004.000	0235999-9999	COST, SHRINKAGE	EA

NOTES: UNLESS OTHERWISE SPECIFIED:
1. TORQUE SPECIFICATIONS FOR TOP ASSEMBLY HARDWARE AND REQUIRED LOCATIONAL DIMENSIONS ARE CALLED OUT ON DRAWING NO. 2230487

NOTES: CONTINUED

[2] A CUSTOMER'S SPECIAL LABEL MAY BE SUBSTITUTED FOR THE TI IDENTIFICATION LABEL WHEN SO SPECIFIED ON THE SALES ORDER

[3] USED -0005, -0006 & -0007. ITEM 14 & 15 NOT REQUIRED WITH -0007

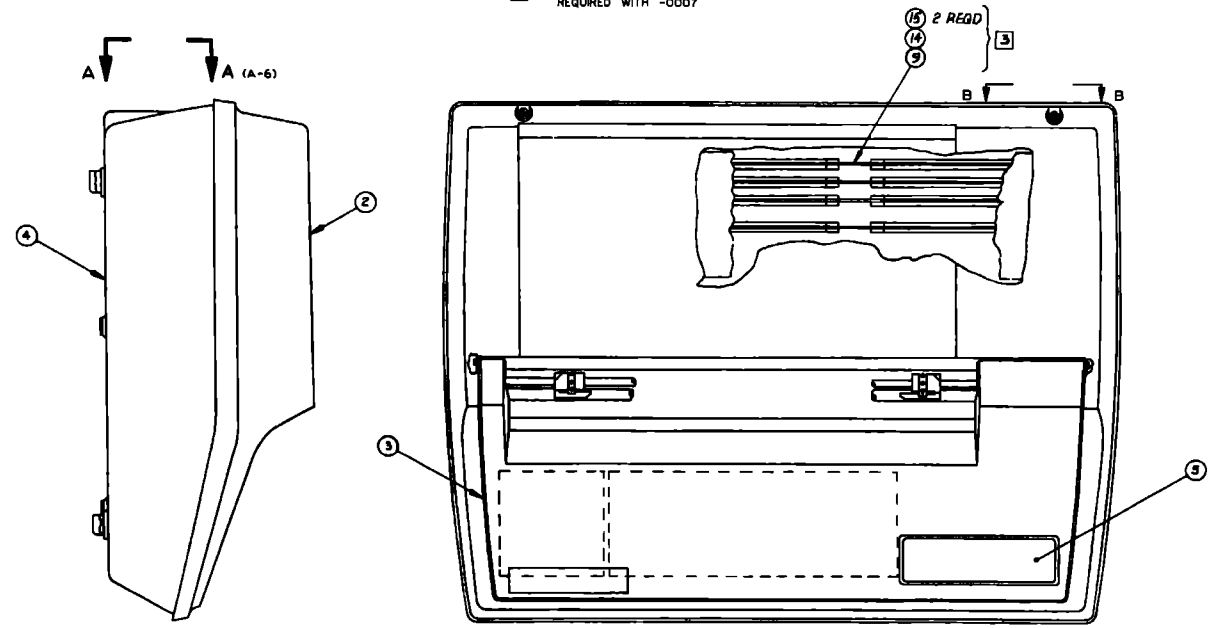
NOTES: CONTINUED

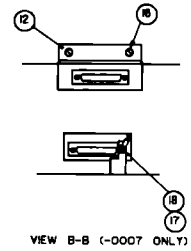
4. ON THE -0007 ASSY REMOVE RESISTOR PACK FROM XU1 ON (994531) MOTHER BOARD AND INSTALL RESISTOR PACK IN SOCKET U42 ON INTELLIGENT INTERFACE (2230775)

DRAWING 994293

REVISIONS

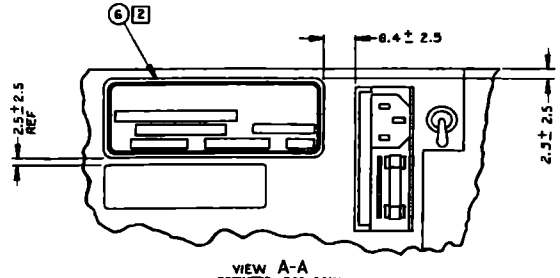
REV	DESCRIPTION	DATE	APPROVED
BR	CN503522 (D) M DURHAM (1) REPLACED REV BP WITH REV BR DRAWING AND LM (2) REV BP DRAWING WAS 2 SHEETS, E SIZE	12/6/83	
BT	CN506209 (C) REX KARL (1) CREATED -7 LM	3/26/83	
BU	CN505436 (D) M DURHAM (1) ON -7, 4 LB/ITEM 9 WAS 2360095-0001 (2) ADDED ITEMS 13, 14, & 15	7-13-83	
BV	CN515084 (C) R KARL (1) ADDED NOTE 4 (2) -7 ITEM 10 QTY WAS 1.0	9-8-83	
BW	CN511948 (D) REX KARL	12-13-83	
BY	CN513888 (C) REX KARL	12-13-83	





VIEW B-B (-0007 ONLY)

CONVERSION CHART	
MM	INCHES
0.25	.010
0.5	.02
2.5 ± 2.5	.10 ± .10
6.4 ± 2.5	.25 ± .10



VIEW A-A
ROTATED 90° CCW
(D-7)

PART NUMBER	DESCRIPTION
994293-0007	810 PRINTER ASSY, MC AUTO
994293-0006	810 PRINTER ASSY, LQ-VFC, COMP PRINT
994293-0005	810 PRINTER ASSY, LQ-FL, COMP PRINT
994293-0004	810 PRINTER ASSY, VFC, COMP PRINT, 9 COPY
994293-0003	810 PRINTER ASSY, FL, COMP PRINT, 9 COPY, PA
994293-0002	810 PRINTER ASSY, VFC, COMPRESSED PRINT
994293-0001	810 PRINTER ASSY, FORMS LG, COMP PRINT

PARTS LIST

-0 QTY	-6 QTY	-1 QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	NOTES

10-7-82 — TEXAS INSTRUMENTS INCORPORATED — SI-METRIC

810 PRINTER ASSY

D06668 — 994293

994310 8733 — APPLICATION

PROCESS — CLASSIFICATION

2 FILMED | LM DB

300

9-101

List of Materials

05/12/84

PART NUMBER REV DESCRIPTION.....
0994293-0001 JY 810 PRINTER ASSY,FORMS LG,COMP. PRINT

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	2230487-0002	NON-FUNCTIONAL ASSY,EXP,10/16.5 CPI-810 1225-2487-000	EA
0002	00001.000	2360021-0001	COVER,810/880 (LT. GRAY) 1255-0067-040	EA
0003	00001.000	0994500-0001	DOOR ASSY, 810 PRINTER 1225-1500-000	EA
0004	00001.000	0994323-0001	BASE/POWER SUPPLY ASSY, 810 1225-1323-999	EA
0005	00001.000	0994555-0003	CON. PANEL ASSY,FL & COMP. PRINT (FCO) 1225-0555-000	EA
0006	00001.000	0994415-0001	IDENTIFICATION,KIT 1225-1415-000	EA
0007	00001.000	2230492-0001	KIT,SUPPORT-810 1225-1492-000	EA
9999	00004.000	0239999-9999	COST, SHRINKAGE	EA

05/12/84

PART NUMBER REV DESCRIPTION.....
0994293-0002 BY 810 PRINTER ASSY,VFC,COMPRESSED PRINT

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	2230487-0002	NON-FUNCTIONAL ASSY,EXP,10/16.5 CPI-810 1225-2487-000	EA
0002	00001.000	2360021-0001	COVER,810/880 (LT. GRAY) 1255-0067-040	EA
0003	00001.000	0994500-0001	DOOR ASSY, 810 PRINTER 1225-1500-000	EA
0004	00001.000	0994323-0001	BASE/POWER SUPPLY ASSY, 810 1225-1323-999	EA
0005	00001.000	0994555-0005	CON. PANEL ASSY,VFC AND COMP.PRINT (VCO) 1225-0555-000	EA
0006	00001.000	0994415-0001	IDENTIFICATION,KIT 1225-1415-000	EA
0007	00001.000	2230492-0001	KIT,SUPPORT-810 1225-1492-000	EA
0011	00001.000	0994319-0002	PROCESSOR KIT,VERTICAL FORMAT CONTROL 1225-2319-000	EA
9999	00004.000	0239999-9999	COST, SHRINKAGE	EA

List of Materials

05/12/84

PART NUMBER REV DESCRIPTION.....
0994293-0003 BY 810 PRINTER ASSY,FL,COMP PRINT,9COPY,P/H

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	2230487-0002	NON-FUNCTIONAL ASSY,EXP,10/16.5 CPI-810 1225-2487-000	EA
0002	00001.000	2360021-0001	COVER,810/880 (LT. GRAY) 1255-0067-040	EA
0003	00001.000	0994500-0001	DOOR ASSY, 810 PRINTER 1225-1500-000	EA
0004	00001.000	0994323-0001	BASE/POWER SUPPLY ASSY, 810 1225-1323-999	EA
0005	00001.000	0994555-0003	CON. PANEL ASSY,FL & COMP. PRINT (FCO) 1225-3555-000	EA
0006	00001.000	0994415-0001	IDENTIFICATION,KIT 1225-1415-000	EA
0007	00001.000	2230492-0001	KIT,SUPPORT-810 1225-1492-000	EA
9999	00004.000	0239999-9999	COST, SHRINKAGE	EA

05/12/84

PART NUMBER REV DESCRIPTION.....
0994293-0004 BY 810 PRINTER ASSY,VFC,COMP PRINT,9COPY

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	2230487-0002	NON-FUNCTIONAL ASSY,EXP,10/16.5 CPI-810 1225-2487-000	EA
0002	00001.000	2360021-0001	COVER,810/880 (LT. GRAY) 1255-0067-040	EA
0003	00001.000	0994500-0001	DOOR ASSY, 810 PRINTER 1225-1500-000	EA
0004	00001.000	0994323-0001	BASE/POWER SUPPLY ASSY, 810 1225-1323-999	EA
0005	00001.000	0994555-0005	CON. PANEL ASSY,VFC AND COMP.PRINT (VCO) 1225-0555-000	EA
0006	00001.000	0994415-0001	IDENTIFICATION,KIT 1225-1415-000	EA
0007	00001.000	2230492-0001	KIT,SUPPORT-810 1225-1492-000	EA
0011	00001.000	0994319-0002	PROCESSOR KIT,VERTICAL FORMAT CONTROL 1225-2319-000	EA
9999	00004.000	0239999-9999	COST, SHRINKAGE	EA

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
0994293-0005	BY	810 PRINTER ASSY,LQ-FL,COMP. PRINT

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2230487-0004	NON-FUNCTIONAL ASSY,LQ,10/16.5 CPI-810 1225-4487-000	EA
0002	00001.000	2360021-0001	COVER,810/880 (LT. GRAY) 1255-0067-040	EA
0003	00001.000	0994500-0001	DOOR ASSY, 810 PRINTER 1225-1500-000	EA
0004	00001.000	0994323-0001	BASE/POWER SUPPLY ASSY, 810 1225-1323-999	EA
0005	00001.000	0994555-0003	CON. PANEL ASSY,FL & COMP. PRINT (FCO) 1225-3555-000	EA
0006	00001.000	0994415-0001	IDENTIFICATION,KIT 1225-1415-000	EA
0007	00001.000	2230492-0001	KIT,SUPPORT-810 1225-1492-000	EA
0009	00001.000	2232575-0001	LETTER QUALITY,2ND GENERATION - 810 1225-1575-012	EA
0010	00001.000	2360090-9701	810 LETTER QUALITY USER MANUAL 1225-0090-000	EA
0013	00000.000	2360095-0001	PWB ASSY, 810 LQ (FULL-SIZE) 1225-1095-016	EA
0013A			*ALTERNATE TO ITEM 9,NOT TO 1225-1095-016	
0013B			*BE USED WITH TTY OR INT'L 1225-1095-016	
0013C			*CHARACTER SETS 1225-1095-016	
0014	00001.000	0994294-0001	CARD GUIDE,CENTER 1255-0028-014	EA
0014A			*TO BE USED W/ITEM 9 ONLY 1255-0028-014	
0015	00002.000	0996225-0001	FASTENER,PUSHNUT,REMOVABLE .185/.190 DIA PAL - PZ001935	EA
0015A			*TO BE USED W/ITEM 9 ONLY PAL - PZ001935	
9999	00004.000	0239999-9999	COST, SHRINKAGE	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
0994293-0006	BY	810 PRINTER ASSY,LQ-VFC,COMP PRINT

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2230487-0004	NON-FUNCTIONAL ASSY,LQ,10/16.5 CPI-810 1225-4487-000	EA
0002	00001.000	2360021-0001	COVER,810/880 (LT. GRAY) 1255-0067-040	EA
0003	00001.000	0994500-0001	DOOR ASSY, 810 PRINTER 1225-1500-000	EA
0004	00001.000	0994323-0001	BASE/POWER SUPPLY ASSY, 810 1225-1323-999	EA
0005	00001.000	0994555-0005	CON. PANEL ASSY,VFC AND COMP.PRINT (VCO) 1225-0555-000	EA
0006	00001.000	0994415-0001	IDENTIFICATION,KIT 1225-1415-000	EA
0007	00001.000	2230492-0001	KIT,SUPPORT-810 1225-1492-000	EA
0009	00001.000	2232575-0001	LETTER QUALITY,2ND GENERATION - 810 1225-1575-012	EA
0010	00001.000	2360090-9701	810 LETTER QUALITY USER MANUAL 1225-0090-000	EA

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
0994293-0006	BY	810 PRINTER ASSY,LQ-VFC,COMP PRINT

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
9999	00004.000	0239999-9999	COST, SHRINKAGE	EA
0011	00001.000	0994319-0002	PROCESSOR KIT,VERTICAL FORMAT CONTROL 1225-2319-006	EA
0013	00000.000	2360095-0001	PWB ASSY, 810 LQ (FULL-SIZE) 1225-1095-016	EA
0013A			*ALTERNATE TO ITEM 9,NOT TO 1225-1095-016	
0013B			*BE USED WITH TTY OR INT'L 1225-1095-016	
0013C			*CHARACTER SETS 1225-1095-016	
0014	00001.000	0994294-0001	CARD GUIDE,CENTER 1255-0028-014	EA
0014A			*TO BE USED W/ITEM 9 ONLY 1255-0028-014	
0015	00002.000	0996225-0001	FASTENER,PUSHNUT,REMOVABLE .185/.190 DIA PAL - PZ001935	EA
0015A			*TO BE USED W/ITEM 9 ONLY PAL - PZ001935	

05/12/84

PART NUMBER	REV	DESCRIPTION
0994293-0007	BY	810 PRINTER ASSEMBLY, MC AUTO

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2230487-0002	NON-FUNCTIONAL ASSY,EXP,10/16.5 CPI-810 1225-2487-006	EA
0002	00001.000	2360021-0001	COVER,810/800 (LT. GRAY) 1255-0067-040	EA
0003	00001.000	0994506-0009	DOOR ASSY, 810 PRINTER, MC AUTO 1225-1045-006	EA
0004	00001.000	0994323-0001	BASE/POWER SUPPLY ASSY, 810 1225-1323-999	EA
0005	00001.000	0994555-0003	CONT. PANEL ASSY,FL & COMP. PRINT (FCC) 1225-3555-000	EA
0006	00001.000	0994415-0001	IDENTIFICATION,KIT 1225-1415-006	EA
0007	00001.000	2230492-0001	KIT,SUPPORT-810 1225-1492-000	EA
0009	00001.000	2230775-0002	INTELLIGENT I/F, 810 1225-2775-007	EA
0010	00000.007	0231792-0004	COLOR DOT,YELLOW.250 DIA. 085480-0025 YELLOW	SH
0012	00001.000	2230787-0001	CABLE ASSY, TTY MCAUTO, 810 1225-1787-009	EA
0016	00002.000	2210084-0014	SEMS,PNH, SLTD, EXT TOOTH 32UNC-2A,.375L	EA
0017	00001.000	0411101-0057	LOCKWASHER # 4 EXTERNAL TOOTH CRES QPL - MS35335-57	EA
0018	00001.000	0972988-0013	SCREW 4-40 X .250 PAN HEAD CRES	EA
0019	00000.000	2230775-0001	INTELLIGENT I/F, 810 (REPLACED BY -0002) 1225-1775-007	EA
0019A			*REPLACED BY ITEM 9	
9999	00001.000	0239999-9999	COST, SHRINKAGE	EA

994305 | 1

NOTES: UNLESS OTHERWISE SPECIFIED
1. MAX. LEAD LENGTH TO BE .062 FROM CONDUCTOR SIDE OF BOARD. EXCEPT ITEM 25 (JUMPER PLUG) WHICH WILL BE .12
2. DO NOT SOLDER ON COMPONENT SIDE.

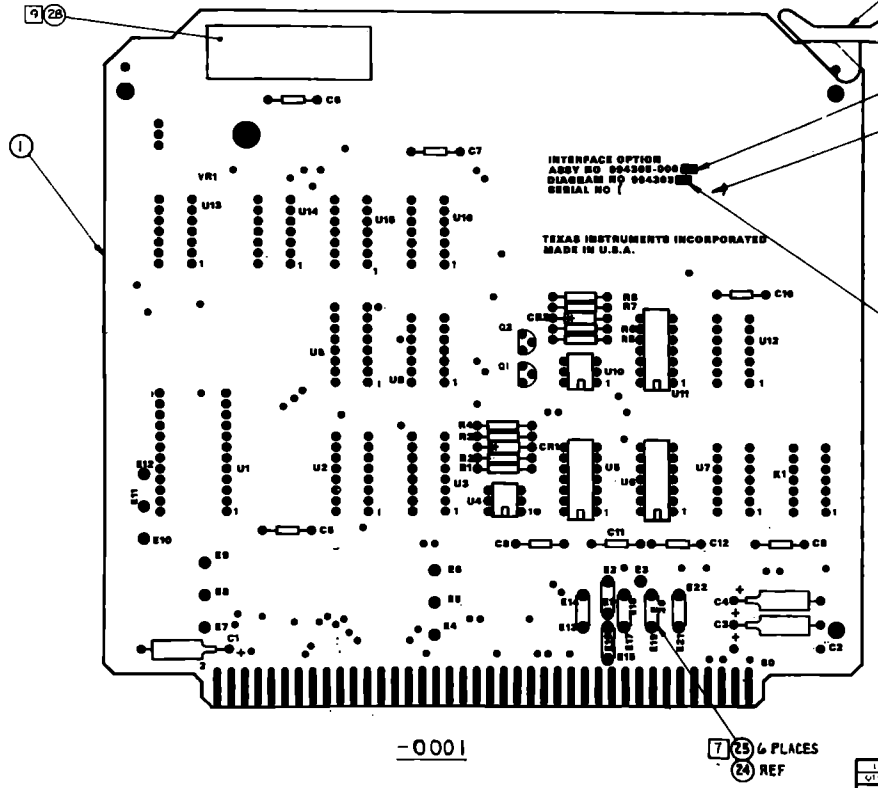
4. MASK ALL CONN FINGERS ON BOTH SIDES OF BOARD WHEN SOLDERING TO PREVENT SOLDER FROM WICKING DOWN CONN FINGERS
[5] ALTERNATE METHOD FOR NOTE 3
MARK ASSEMBLY SITE/DATE CODE IN LOCATION SHOWN PER PROCESS 1 AND ITEM 26 PARAGRAPH 4.0

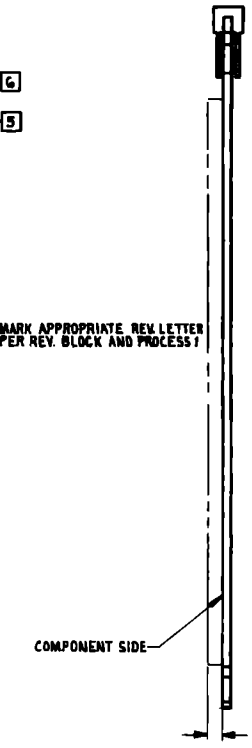
[6] ALTERNATE METHOD FOR NOTE 8
MARK APPROPRIATE REVISION LETTER AND DASH NUMBER IN LOCATION SHOWN PER PROCESS 1 AND REVISION LEVEL BLOCK

[7] INSTALL JUMPER (ITEM 25) IN POSITION E1-TO-E2 TO CONNECT "REV. CK" TO "TRANSMIT CURRENT LOOP" (STD CONFIG) INSTALL JUMPER (ITEM 25) IN POSITION E2-TO-E3 TO CONNECT "TRANSMITTED DATA" TO "TRANSMIT CURRENT LOOP" (OPTIONAL CONFIGURATION).

[8] ITEM 27 CONSISTS OF COMPONENTS WHICH ARE AUTO-INSERTED AND ARE CONTAINED IN THE -5000 SERIES LMS

[9] LOCATE LABEL IN TOP LEFT HAND CORNER OF PC BOARD IN APPROXIMATE LOCATION INDICATED





REVISIONS

REV	DESCRIPTION	DATE	APPROVED
C	421450 (E) 1-24-77		
	FORMAL RELEASE		
D	CN 380815 J. Pinney 6-15-77	6-22-77	
	1) ADD TO NOTE 1 "EXCEPT - - - .12"		
E	CN 432868 J. CLARK	5/30/78	
	1) -0001, DELETED THE FOLLOWING ITEMS: 1, P/N 998304-1 QTY 1; 4, P/N 359966-3 QTY 1; 10, P/N 972938-6 QTY 1; 11, P/N 972946-57 QTY 1; 13, P/N 972946-65 QTY 2; 15, P/N 972946-69 QTY 2; 16, P/N 972946-73 QTY 1; 17, P/N 972946-121 QTY 1; 18, P/N 972924-6 QTY 1; 19, P/N 972928-14 QTY 2; 20, P/N 972929-21 QTY 8; AND ADDED ITEM 27. 14, P/N 972946-69 QTY 1; 15, P/N 972946-77 QTY 1		
	2) CHANGED -5001 TO LM, ADDED TO PART NO SCHEDULE, ADDED NOTE [8], UPDATE REV LEVEL BLOCK.		
F	CN 438908 J. Sipka	11-17-78	
	1) LM ITEM 12 -5001 WAS PN 972789-0021		
G	CN 439047 REKHA SETH	8-14-79	
	1) LM ITEM 9 P/N WAS 971000-0001		
H	CN 452601 (D) V. VELAZQUEZ	11/1/80	
	1) ON LM -0002 ITEM 4 WAS P/N 0539548-1 SOCKET, 14 PIN IC LOW PROFILE SOLDER TAIL 2) ITEM 6 WAS P/N 0972159-21 CAP, .047 MFD, +80%-20%, 25 VDC		
J	CN 477888 (D) R. KARL	6-30-81	
	1) LM ITEM 8 QTY WAS 1; DESCRIPTION, ADDED MAY BE SUBS. BY ITEM 9 (2) ADDED ITEM 9 TO LM		
K	CN 446429 (E) D. Howard	5-2-83	
	(1) ROTATED BOTH R1 AND R2 180° SH 1 AND 2 (ZONE 4)		
L	CN 500815 (D) D. Howard	8-8-83	
	(1) DELL -5001 LM, REV PER ECT ENGR CHANGES (2) CREATED A -5001 LM		
M	CN 499789 (D) M. Rush (I) REVISED	11-8-83	
	NOTES 5 AND 6 (2) ADDED NOTE 8 (3) ON -0001 AND -0002 LM'S AND FIELD OF DWG, ADDED ITEM 28		
N	CN 506752 (D) M. DURHAM (1) ON -0001	8/1/85	
	AND -0002 LM'S AND FOD, ADDED ITEM 29		

994305-0002	PARALLEL I/F OPTION, BIO (SPARES)
994305-0001	CURRENT LOOP I/F OPTION, BIO (SPARES)
994305-5501	SEQUENCE TAPE FOR -5001
[8] 994305-5001	AUTO-INSERTED PARTS LIST FOR 994305-0001
994305-0002	PARALLEL I/F OPTION, BIO (OBSOLETE)
994305-0001	CURRENT LOOP I/F OPTION BIO
PART NUMBER	DESCRIPTION

REV STATUS	REV	N			
OF SHEETS	SH	1	2		

PARTS LIST

ITEM QTY	ITEM CHG	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES
		994292	8733		
		994892	8733		
NEXT ASSY		USED ON			
APPLICATION					

SEQ NO	IDENT	PROCESS	SPEC	NO	ADDITIONAL CLASSIFICATION	NOTE
3	SLDR	127-01		00		
2	SLDR	124-02		00		
1	MARK	100-02		21	HEIGHT .06, COLOR: BLACK	

PROCESSES FOR CORRELATION TO TEXT IND SPECIFICATIONS, SEE TI DRAWING FORMAT

REVISION LEVEL										
DIAGRAM	*	*	*	*	A	A	A	A		
ASSEMBLY	C	D	E	F	J	K	L	N		

Drawn: R. Smith 1-7-77
Engr: [illegible] 1/25/77
[illegible] 1/25/77
[illegible] 1/27/77
[illegible] 1/25/77
[illegible] 1/25/77

TEXAS INSTRUMENTS INCORPORATED
Dallas, Texas

INTERFACE OPTION

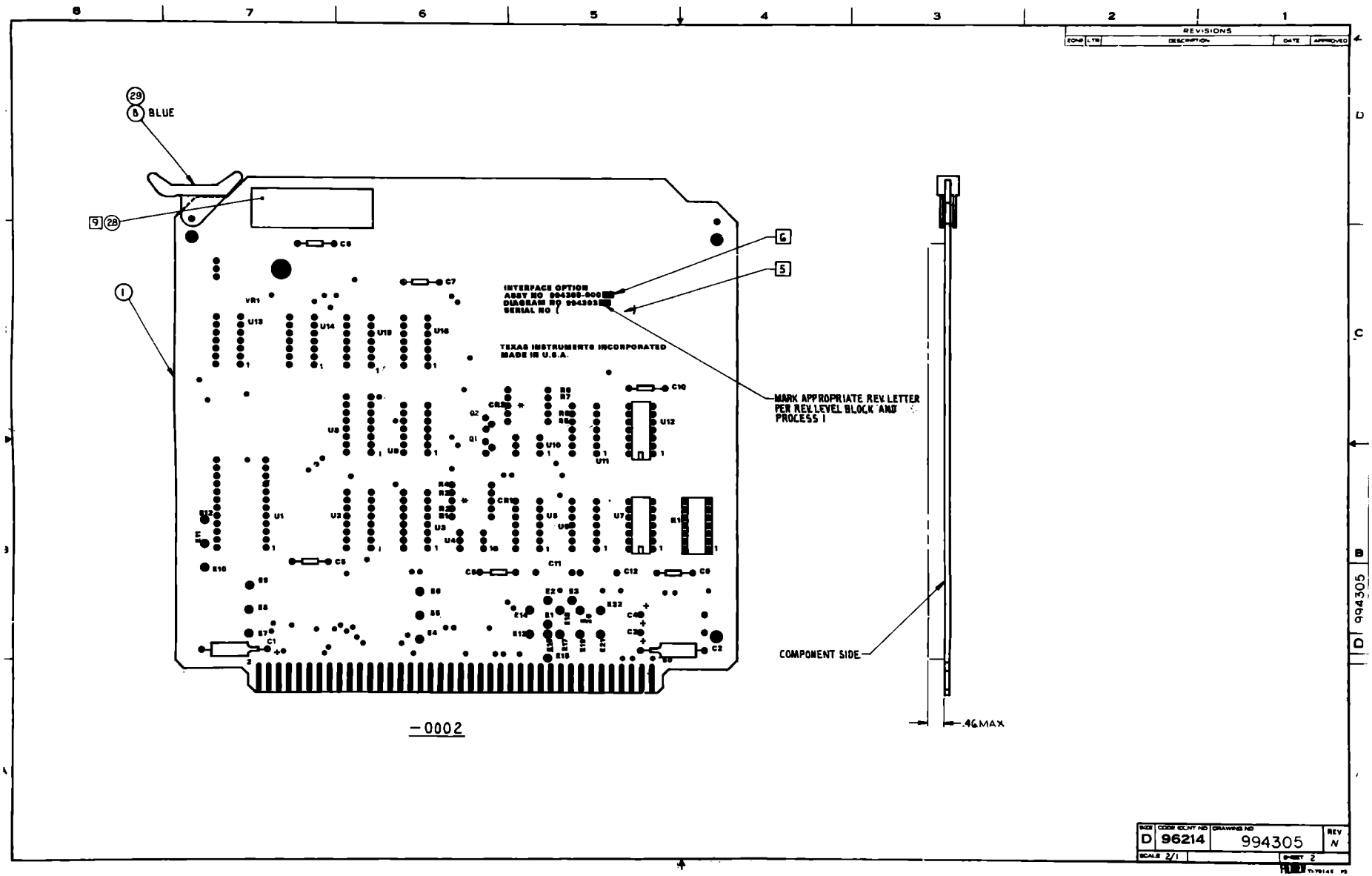
DWG PROJECT D 96214 | DRAWING NO 994305

SCALE 8/1 | SHEET 1 OF 8

320

LM

FILMED


REVISIONS
ZONE
L TR
DESCRIPTION
DATE
APPROVED
29
6
BLUE
9
28
1
INTERFACE OPTION
ASSY NO 994305-000
DIAGRAM NO 994303
SERIAL NO (
TEXAS INSTRUMENTS INCORPORATED
MADE IN U.S.A.
6
5
MARK APPROPRIATE REV LETTER
PER REV LEVEL BLOCK AND
PROCESS I
COMPONENT SIDE
.46 MAX
-0002
SIZE
D
CODE IDENT NO
96214
DRAWING NO
994305
REV
N
SCALE 2/1
SHEET 2
994305

List of Materials

05/12/94

PART NUMBER REV DESCRIPTION.....
0994305-0001 N CURRENT LOOP I/F OPTION, 810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0002	00001.000	0996015-0001	IC,QUAD LINE DRIVERS SN75188N	EA
			TI -SN75188N	
0002A			U6	
			TI -SN75188N	
0003	00001.000	0972450-0002	NETWORK,SN75189AN/MC1489AL QUAD LINE RCR	EA
			SEE - TI DRAWING	
0003A			U11	
			SEE - TI DRAWING	
0004	00001.000	0971000-0004	IC TIL-117 OPTICALLY COUPLED ISOLATOR	EA
0004A			U4	
0005	00001.000	0972625-0001	NETWORK OCI449 OPTICALLY COUPLED	EA
			TI -OCI449	
0005A			U10	
			TI -OCI449	
0006	00001.000	0972900-7400	NETWORK SN74LS08N	EA
			1233-7564-000	
0006A			U5	
			1233-7564-000	
0007	00001.000	2211415-0001	TRANSISTOR NPN	EA
0007A			Q1	
0009	00001.000	2220095-0001	TRANSISTOR, NPN, GENERAL PURPOSE	EA
			SEE TI- DRAWING	
0009A			Q2	
			SEE TI- DRAWING	
0021	00001.000	0413277-0005	EJECTOR,PCB,NON-LOCKING,YELLOW	EA
			SCA -S-200(YELLOW)	
0022	REF	0994303-9901	DIAGRAM,LOGIC,DETAILED INTERFACE OPTION	EA
0023	REF	0994246-9901	MC 810/ATS REVISION LEVEL STATUS	EA
0024	00013.000	0972742-0001	SOCKET, SINGLE LEAD, PWB MTG.	EA
0024A			E1,E2,E3,E13,E14,E15,E16,	
0024B			E17,E18,E19,E20,E21,E22	
0025	00006.000	0972713-0001	PLUG, JUMPER, I.C., 0.300 INCH	EA
0026	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0027	00001.000	0994305-5001	AUTO-INSERTED PARTS LIST FOR 994305-0001	EA
			0000-0000-000	
0028	00001.000	2363830-0002	LABEL,SYMBOLIZATION (51MM X 13MM)	EA
			1225- -000	
0029	00001.000	0085936-0065	EYELET,ROLLED FLANGE,.089 O.D. X .312 LG	EA
0029A			*USED WITH ITEM 21	

List of Materials

05/16/84

PART NUMBER	REV	DESCRIPTION
0994305-0002	N	PARALLEL I/F OPTION, 810 (OBSOLETE)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994304-0001	PWB,INTERFACE OPTION	EA
0002	00001.000	0222222-7400	NETWORK SN7400N - 3-000	EA
0002A			U7 - 3-000	
0003	00001.000	0972653-0001	NETWORK,SN74LS293N	EA
0003A			U12	
0004	00001.000	2210188-0011	SOCKET,DIP,14-PIN,LOW PROFILE SEE T -I DRAWING	EA
0004A			XK1 SEE T -I DRAWING	
0005	00002.000	0972924-0006	CAP FIX TANT SOLID 39 UFD 10% 10 VOLT QPL -M39003/1-2259	EA
0005A			C1,C2 QPL -M39003/1-2259	
0006	00006.000	0972763-0021	CAP.,FIXED,AXIAL LEAD,.047 UF,+80%,-20% 1632-0000-000	EA
0006A			C5,C6,C7,C8,C9,C10 1632-0000-000	
0007	00001.000	0539855-0002	RELAY,REED,DIP-250 MA 10 W 100 VDC 095348-GB831A-4	EA
0007A			K1 095348-GB831A-4	
0008	00001.000	0413277-0011	EJECTOR,PCB,NON-LOCKING,R.BLUE SCA -S-200(R.BLUE	EA
0022	REF	0994303-9901	DIAGRAM,LOGIC,DETAILED INTERFACE OPTION	EA
0023	REF	0994246-9901	MC 810/ATS REVISION LEVEL STATUS	EA
0026	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0028	00001.000	2363830-0002	LABEL,SYMBOLIZATION (51MM X 13MM) 1225- -000	EA
0029	00001.000	0085936-0065	EYELET,ROLLED FLANGE,.089 O.D. X .312 LG	EA
0029A			*USED WITH ITEM 8	

05/12/84

PART NUMBER	REV	DESCRIPTION
0994305-5001	N	AUTO-INSERTED PARTS LIST FOR 994305-0001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994304-0001	PWB,INTERFACE OPTION	EA
0014	00001.000	0994305-5501	SEQUENCE TAPE FOR -5001 0000-0000-000	EA

List of Materials

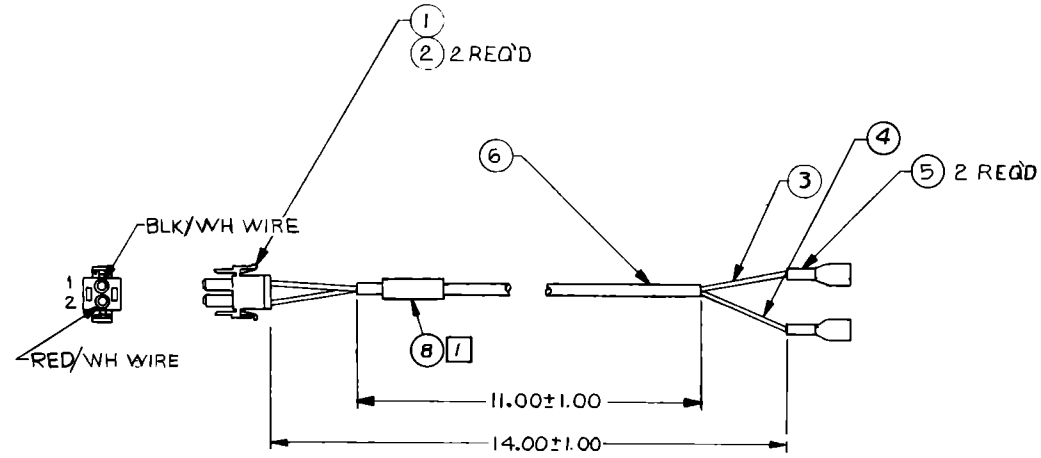
05/12/84

PART NUMBER REV DESCRIPTION.....
0994305-5501 N SEQUENCE TAPE FOR -5001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0002	00001.000	0972934-0006	DIODE,1N751A 5.1 V 5% SIL VOLT REG	EA
			QPL - 1N751A	
0002A			CR1	
			QPL - 1N751A	
0003	00001.000	0972946-0037	RES FIX 68.0 OHM 5 % .25 W.CARBON FILM	EA
			RCH - R-25	
0003A			R1	
			RCH - R-25	
0004	00002.000	0972946-0045	RES FIX 150 OHM 5 % .25 W CARBON FILM	EA
			SEE TI- DRAWING	
0004A			R4,R8	
			SEE TI- DRAWING	
0005	00001.000	0972946-0065	RES FIX 1.0K OHM 5% .25 W CARBON FILM	EA
			RCH - R-25	
0005A			R6	
			RCH - R-25	
0006	00001.000	0972946-0069	RES FIX 1.5K OHM 5 % .25 W CARBON FILM	EA
			RCH - R-25	
0006A			R5	
			RCH - R-25	
0007	00001.000	0972946-0077	RES FIX 3.3K OHM 5 % .25 W CARBON FILM	EA
			RCH - R-25	
0007A			R2	
			RCH - R-25	
0008	00001.000	0972946-0081	RES FIX 4.7K OHM 5 % .25 W CARBON FILM	EA
			RCH - R-25	
0008A			R7	
			RCH - R-25	
0009	00001.000	0972946-0121	RES FIX 220K OHM 5 % .25 W CARBON FILM	EA
			RCH - R-25	
0009A			R3	
			RCH - R-25	
0010	00001.000	0972924-0006	CAP FIX TANT SOLID 39 UFD 10% 10 VOLT	EA
			QPL -M39003/1-2259	
0010A			C1	
			QPL -M39003/1-2259	
0011	00002.000	0972924-0014	CAP FIX TANT SOLID 15 UFD 10% 20 VOLT	EA
			QPL -M39003/1-2289	
0011A			C3,C4	
			QPL -M39003/1-2289	
0012	00008.000	0972763-0021	CAP.,FIXED,AXIAL LEAD,.047 UF,+80%,-20%	EA
			1632-0000-000	
0012A			C5,C6,C7,C8,C9,C10,C11,C12	
			1632-0000-000	
0013	00001.000	0539468-0003	DIODE,1N4003 1AMP 200PIV RECTIFIER	EA
			TI - IN4003	
0013A			CR2	
			TI - IN4003	

NOTES:

1. MARK PER DRAWING 2265070



0994307-5001	BULK CABLE ASSY MATERIAL FOR -0001
0994307-0001	CABLE ASSY CARRIAGE DRIVE
PART NUMBER	DESCRIPTION

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED
	A	P. Wilson 7-20-76 REVISED AND UPDATED LM FORMAL RELEASE		
	B	415745 (D) S. Pinero 10-2-76 1) LM. IT. 5 P/N WAS 972171-0055	10/4/76	
	C	423260 (C) Eliz. Pinero 12-21-76 1) CHANGED ITEM 5 WAS P/N 972171-0055 2) CHANGED N/A WAS 994292 & 994243	1/14/77	
	D	CN423752 (D) 1) ITEM 6 WAS, QTY. 1.4 FEET, P/N 411634-2600 DECRITION, SLEEVE PVC .263 DIA .020 WALL (2) ITEM 7 VENDOR PART NO. WAS QPL-MS3368-6-9	5/5/77	
C-3		(3) BALLOON CALLOUTS IT. 5 & 4 WERE [illegible]		
C-4		(4) DELETED P5 FROM CONNECTOR		
B-4 C-4		(5) PROCESS CALLOUT WAS MARK PER PROCESS1 6 DELETED DIMENTION 1.50±.25		
	E	CN 434162 (E) J. BAIZA (1) CHANGED ITEM 6 WAS P/N 411634-1300 SLEEVE, PVC .133 DIA.	9/25/78	
C-4	F	CN438954 (D) J. BAIZA (1) BLK/WH WIRE WAS BLK WIRE (2) RED/WH WIRE WAS RED WIRE (3) LM CHANGE ADDED ITEM 4	12/12/78	
	G	CN438818 (D) R. Solomon (1) DIM'S 11.00 AND 14.00 WERE 17.00 & 20.00 (2) LM QTY ITEMS 3, 4 AND 6 WERE 2.000 FT 2.000 FT AND 1.000 FT	3-7-79	
	H	CN459609 (D) R. Cisco (1) MOVED ITEM 7 FROM RIGHT END OF CABLE	8/2/79	
	J	CN466180 (D) S. Dolores (1) DELETED ITEM 7 (2) ADDED NOTE 1 AND ITEM 8 (3) ITEM 6 WAS -0011	3-27-81	
	K	CN477864 (D) M. Kuehn (1) DELETED PROCESS 1 AND CALLOUT	6-17-81	
	L	CN477350 (D) JOANN TAGLIARINO 1) ITEM 6 WAS 0972436-0035	2-3-82	
	M	CN495167 (D) M. DURHAM (1) ADDED -5001 LM (2) REVISED -0001 LM	9-9-82	

SEQ NO	IDENT	F-SPEC	NO	ADDITIONAL
	PROCESS			CLASSIFICATION
~~1~~	~~MARK~~	~~100-07~~	~~78~~	~~COLOR, BLACK TYPE 6~~

FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 729467

-2 QTY REQD	-1 QTY REQD	ITEM NO	CODE IDENT	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION

PARTS LIST

UNLESS OTHERWISE SPECIFIED

- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIR
- DIMENSIONAL LIMITS APPLY BEFORE FINISH PROCESSING
- IDENTIFYING NUMBERS SHOWN IN PARENTHESES FOR REFERENCE ONLY
- INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100

HOLE TOLERANCE

.013 THRU .125 ± .004 ± .001	.126 THRU .250 ± .005 ± .001	.251 THRU .500 ± .006 ± .001
.501 THRU .750 ± .008 ± .001	.751 THRU 1.000 ± .010 ± .001	1.001 THRU 2.000 ± .012 ± .001

	8754
994291	8733
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED

- DIMENSIONS ARE IN INCHES
- TOLERANCES: ANGLES ± 1° 3 PLACE DECIMALS ± .010 2 PLACE DECIMALS ± .02

		DATE
DWN	R. Cisco	6-23-76
CHK	Ed Wilk	7-1-76
ENGR	[illegible]	8/2/76
QA	[illegible]	7-7-76
APVD.	[illegible]	8/3/76
CONTR NO	[illegible]	8/3/76
DESIGN ACTIVITY RELEASE	[illegible]	8/4/76

TEXAS INSTRUMENTS INCORPORATED
Equipment Group Dallas, Texas

CABLE ASSY, CARRIAGE DRIVE

SIZE	CODE IDENT NO	DRAWING NO
C	96214	994307

SCALE NONE SHEET

994307 C

9-111

340

LM

FILMED

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
0994307-0001	M	CABLE ASSY,CARRIAGE DRIVE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0996009-0001	CONNECTOR HOUSING,MALE PLUG 2 CIRCUITS AMP -350777-1	EA
0001A			P5 AMP -350777-1	
0101	00001.000	0994307-5001	BULK CABLE ASSY MATERIAL FOR -0001 1225-0307-115	EA

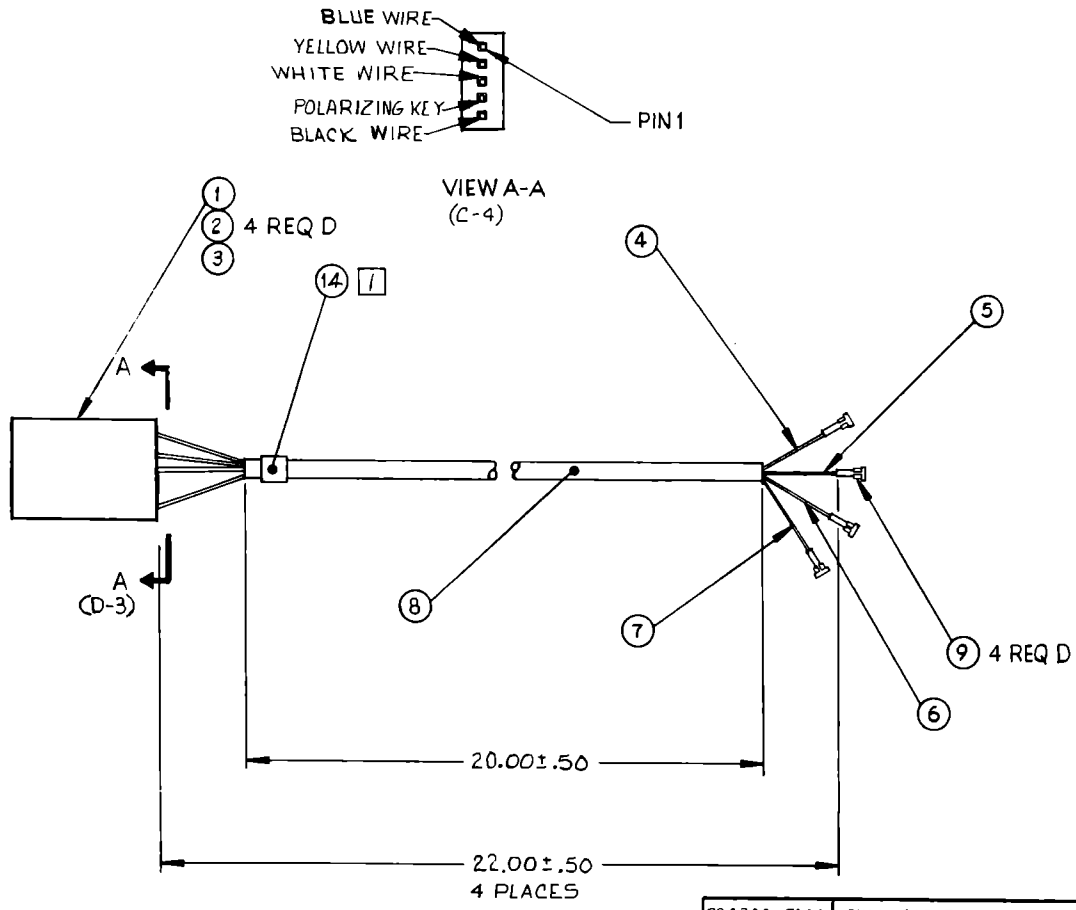
05/12/84

PART NUMBER	REV	DESCRIPTION
0994307-5001	M	BULK CABLE ASSY MATERIAL FOR -0001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0002	00002.000	0996007-0001	CONTACT,CONN CRIMP ST 24-18AWG AMP -350561-1	EA
0003	00001.500	0935170-4299	WIRE,UL 1429,19 STRD,20AWG,WHT/RED 1650-0000-000	FT
0004	00001.500	0935170-4099	WIRE,UL 1429,19 STRD,20AWG,WHT/BLK 1650-0000-000	FT
0005	00002.000	0996334-0002	TERMINAL .187 X .020 MALE AMP - 2-350799-2	EA
0006	00001.000	0972436-0036	INSUL SLVG,#4 PVC .208 ID .020THK 003890-HT-105C-4	FT
0008	00001.000	2210317-0001	LABEL,BLANK,CABLE MARKER 085480-SLPF-19319-4	EA

NOTES UNLESS OTHERWISE SPECIFIED:

1. MARK PER PROCESS 1, DRAWING 2265070 LINE 4 TEXT "← -P2"



REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED
	A	396031 R. Nilson 7-20-76 1. LM ONLY: ADDED ITEM 13 2. LM ONLY: ITEM 8 QTY WAS 25 FT.	7/22/76	R. L. Smith
		FORMAL RELEASE		
	B	408507(D) D. Edwards 12/21/76 DIM. 31.0 WAS 32.0; DIM. 29.00±.50 WAS 29.00±1.00 CHG WIRE COLORS; ITEM 4 WAS 538347-2399, QTY 3FT; ITEM 5 WAS 538347-2599, QTY 3 FT; ITEM 6 WAS 538347-2799, QTY 3 FT; ITEM 7 WAS 538347-2499, QTY 3 FT; ITEM 8 QTY WAS 3 FT. .50 DIM WAS 1.50	1-17-77	Vetter
	C	CN421026 Linda Kuo 1. LM CHANGED ITEM 8 DASH NUMBER WAS -1100 DESCRIPTION WAS .106 DIA	2/16/77	
	D	CN423234 John Cross 1. LM: CHANGED ITEM 8 P/N WAS 0411634-1350 2. F/D; ZONE B-4, DELETED DIM 100±.25 ZONE B-3, DELETED DIM 1.00	3/10/77	
	E	CN424665 C. Edwards 1) ZN B-4 NOTE WAS "MARK P7 PER.."	11-3-77	
	F	CN420115 L. Kuo 1) ITEMS 4 THRU 8 QTY WAS 2.5 (2) ZZ 33 DIM 20.00 WAS 27.00 (3) DIM 22.00 WAS 31.00	6-7-77	
	G	CN434163(E) R. [illegible] (1) ITEM 8 WAS 411634-1700	9/27/78	
	H	CN438894(D) S. Dolan (1) ITEM 3 WAS 972599-1	4/6/79	
	J	CN452324 (D) J. Higginbotham (1) ITEM 9 WAS 972171-0055 (2) ITEM 4 WAS 538347-3999 (3) ITEM 5 WAS 538347-3099 (4) ITEM 6 WAS 538347-3699 (5) ITEM 7 WAS 538347-3499	10/24/80	
	K	CN477316(D) J. Higginbotham (1) ZN B-4: DELETED "MARK P2 PER PROCESS 1" (2) DELETED ITEM 13 (3) ADDED ITEM 14	4-24-81	
	L	CN477470(D) P. [illegible] 1) ON LM ITEM 8 P/N WAS 0972436-0035 (2) DELETED PROCESS 2 (3) PROCESS 1 WAS 100-07, 712, WHITE, TYPE 9 (4) REV NOTE 1 (5) ON LM ADDED ITEM 15	11-12-81	M. Hunt
	M	CN495697 (D) J. Higginbotham 9-9-82 1) ON -0001: DELETED 2, 3, 4, 5, 6, 7, 8, 9, 11, 12 & 14; ADDED ITEM 101 2) CREATED -5001	9-9-82	

SEQ NO	IDENT	F-SPEC	NO	ADDITIONAL
	PROCESS			CLASSIFICATION
~~2~~	~~MARK~~	~~100-07~~	~~712~~	~~COLOR BLACK TYPE 6~~
1	MARK	909-01	01	COLOR BLACK HGT. 06

FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 729467

PART NO	DESCRIPTION
994309-5001	BULK CABLE ASSY MATL FOR -1
994309-0001	CABLE ASSY, RIBBON DRIVE

PARTS LIST

-2 QTY REQD	-1 QTY REQD	ITEM NO	CODE IDENT	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION

UNLESS OTHERWISE SPECIFIED
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIR
- DIMENSIONAL LIMITS APPLY BEFORE FINISH PROCESSING
- IDENTIFYING NUMBERS SHOWN IN PARENTHESES FOR REFERENCE ONLY
- INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100

HOLE TOLERANCE

.013 THRU .125 ±.004 −.001	.126 THRU .250 ±.005 −.001	.251 THRU .500 ±.006 −.001
.501 THRU .750 ±.008 −.001	.751 THRU 1.000 ±.010 −.001	1.001 THRU 2.000 ±.012 −.001

2208274	8754
994291	8733
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES: ANGLES ± 1° 3 PLACE DECIMALS ± .010 2 PLACE DECIMALS ± .02

		DATE
DWN	Jerry Clark	6/23/76
CHK	[illegible]	7/12/76
ENGR	[illegible]	7/20/76
RA	[illegible]	7/21/76
APVD	[illegible]	7/21/76
CONTR NO	[illegible]	7/21/76
DESIGN ACTIVITY RELEASE	[illegible]	7/20/76

TEXAS INSTRUMENTS INCORPORATED
Equipment Group Dallas, Texas

CABLE ASSY, RIBBON DRIVE

SIZE	CODE IDENT NO	DRAWING NO
C	96214	994309

SCALE NONE SHEET

994309 C

9-113

34

CM

FILMED

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
0994309-0001	M	CABLE ASSY,RIBBON DRIVE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0972484-0005	CONNECTOR HOUSING 5 CONTACT	EA
			TI1 --87175-2	
0001A			P1	
			TI1 --87175-2	
0010	00000.000	0772707-0032	RECEP,TERM, .505 LG .100 CENTER/CENTER	EA
			BER -65039-032	
0010A			ITEMS 10,11,& 12 MAY BE	
			BER -65039-032	
0010B			USED AS ALTERNATES FOR	
			BER -65039-032	
0010C			ITEMS 1,2,& 3.ITEMS 10,11,&	
			BER -65039-032	
0010D			12 CAN ONLY BE USED	
			BER -65039-032	
0010E			TOGETHER	
			BER -65039-032	
0015	REF	2265070-0001	SPEC, PRE-PRINTED CABLE MARKER	EA
0101	00001.000	0994309-5001	BULK CABLE ASSY MATERIAL FOR -0001	EA
			1225-0309-106	

05/12/84

PART NUMBER	REV	DESCRIPTION
0994309-5001	M	BULK CABLE ASSY MATERIAL FOR -0001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0002	00004.000	0972104-0001	CONTACT ELEC-LOCKING,WIRE-TC.025 SQ PCST	EA
			AMP - 87124-1	
0002A			*ITEMS 1,2,&3 CAN ONLY BE	
			AMP - 87124-1	
0002B			*USED TOGETHER WITH ITEM 1	
			AMP - 87124-1	
0002C			*ON 994309-0001	
			AMP - 87124-1	
0003	00001.000	0996497-0001	KEYING PLUG CONNECTOR	EA
			086236--1	
0004	00001.900	2210012-3999	WIRE,WHT,UL 1429, 19X34, 22AWG	FT
			6145-3200-000	
0005	00001.900	0935170-3099	WIRE,UL 1429,19 STRD,22AWG,WHT/BLK	FT
			1650-0000-000	
0006	00001.900	0935170-3699	WIRE,UL 1429,19 STRD,22AWG,WHT/BLU	FT
			1650-0000-000	
0007	00001.900	0935170-3499	WIRE,UL 1429,19 STRD,22AWG,WHT/YEL	FT
			1650-0000-000	
0008	00001.700	0972436-0036	INSUL SLVG,#4 PVC .208 ID .020THK	FT
			003890-HT-105C-4	
0009	00004.000	0976673-0010	TERMINAL,QUICK-CONNECT,24-20 WIRE SIZE	EA
			SEE TI- DRAWING	
0011	00000.000	0972482-0006	CONTACT,ELECTRICAL,CRIMP	EA
			BEI - 75691-006	
0012	00000.000	0000335-0001	CONNECTOR POLARIZING KEY	EA
			BEI --65307-001	
0014	00001.000	2210317-0001	LABEL,BLANK,CABLE MARKER	EA
			085480-SLPF-19319-4	

DWG NO 994310 SH

APPLICATION	
NEXT ASSY	USED ON
	8733

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
Y	CN506812(D)DODSON 3-7-84	3-7-84	JD Dodson

NOTES:

1. A STANDARD PRINTER COMES WITH THE FOLLOWING:
   - A) 120V INPUT
   - B) DOMESTIC POWER CORD
   - C) EIA RS232C I/F
   - D) LIMITED ASCII CHARACTER SET
   - E) RECOGNIZES "DELETE" CHARACTER
   - F) DATA TERMINAL READY (DTR)= "ON LINE"
   - G) SECONDARY REQUEST TO SEND (SRTS)= +EIA WHEN READY
     -EIA WHEN BUSY
   - H) RECOGNIZES DC1 AS "ON LINE" COMMAND AND DC3 AS "OFF LINE" COMMAND (DCO SUBOPTION DISABLES DC1/DC3 RECOGNITION)

PART NUMBER	DESCRIPTION
994310-0003	810 PRINTER ACCESSORIES
994310-0002	810 OPTIONS AND SUBOPTIONS
994310 0001	810 PRINTER CONFIGURATIONS

REV																															A
SHEET																															B
REV STATUS OF SHEETS	REV																														C
	SHEET																														

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES: ANGLES ±1° 3 PLACE DECIMALS ±.010 2 PLACE DECIMALS ±.02
- PARENTHETICAL INFO FOR REF ONLY

DWN DODSON DATE 3-7-84
CHK DODSON 3-7-84
ENGR
APVD 3-20-84
QA 3-22-84 CM
MFG
RLSE 3-21-84 3/21/84

TEXAS INSTRUMENTS
INCORPORATED
Dallas, Texas

PRODUCT INDEX, MODEL 810 PRINTER

SIZE A | FSCM NO 96214 | DRAWING NO 994310

SCALE NONE | SHEET

TI 99237

400 LM

List of Materials

05/12/04

PART NUMBER REV DESCRIPTION.....
0994310-0001 Y 810 PRINTER CONFIGURATIONS

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	REF	0994292-0001	810 PRINTER ASSY,BASIC	EA
0001A			* (BSC) 1225-1292-000	
0002	REF	0994292-0002	810 PRINTER ASSY,FORMS LG CONTROL	EA
0002A			* (FLC) 1225-2292-000	
0003	REF	0994292-0003	810 PRINTER ASSY,VERTICAL FORMS CONTROL	EA
0003A			* (VFC) 1225-3292-000	
0004	REF	0994292-0004	810 PRINTER ASSY,BASIC,9COPY P/H	EA
0004A			* (BSC) OBSOLETE REPLACE 1225-4292-000	
0004B			* WITH 994292-1 1225-4292-000	
0005	REF	0994292-0005	810 PRINTER ASSY,FORMS LG,9COPY P/H	EA
0005A			* (FLC) OBSOLETE REPLACE 1225-5292-000	
0005B			* WITH 994292-2 1225-5292-000	
0006	REF	0994292-0006	810 PRINTER ASSY,VFC,9COPY P/H	EA
0006A			* (VFC) OBSOLETE REPLACE 1225-6292-000	
0006B			* WITH 994292-3 1225-6292-000	
0007	REF	0994292-0007	810 PRINTER ASSY,LQ BASIC	EA
0007A			* (LQP) 1225-7292-000	
0008	REF	0994292-0008	810 PRINTER ASSY,LQ FORMS LG CONTROL	EA
0008A			* (LQP) (FLC) 1225-8292-000	
0009	REF	0994292-0009	810 PRINTER ASSY,LQ VFC	EA
0009A			* (LQP) (VFC) 1225-9292-000	
0010	REF	0994293-0001	810 PRINTER ASSY,FORMS LG,COMP. PRINT	EA
0010A			* (FCO) 1225-1293-000	
0011	REF	0994293-0002	810 PRINTER ASSY,VFC,COMPRESSED PRINT	EA
0011A			* (VCO) 1225-2293-000	
0012	REF	0994293-0003	810 PRINTER ASSY,FL,COMP PRINT,9COPY,P/H	EA
0012A			* (FCO) OBSOLETE REPLACE 1225-3293-000	
0012B			* WITH 994293-1 1225-3293-000	
0013	REF	0994293-0004	810 PRINTER ASSY,VFC,COMP PRINT,9COPY	EA
0013A			* (VCO) OBSOLETE REPLACE 1225-4293-000	

List of Materials

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PART NUMBER	REV	DESCRIPTION
0994310-0001	Y	810 PRINTER CONFIGURATIONS

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0013B			* WITH 994293-2 1225-4293-000	
0014	REF	0994293-0005	810 PRINTER ASSY,LQ-FL,COMP. PRINT	EA
0014A			* (LQP) (FCO) 1225-5293-000	
0015	REF	0994293-0006	810 PRINTER ASSY,LQ-VFC,COMP PRINT	EA
0015A			* LQP) (VCC) 1225-6293-000	
0016	REF	2360013-0001	810 RO PRINTER PACKAGE	EA
0016A			* (PKG) (VCO) (FUL) 1225-1013-000	
0017	REF	2360013-0002	810 LQ R.O. PACKAGE	EA
0017A			* (LQP) (VCO) (PKG) 1225-0000-000	
0018	REF	2360020-0001	810 PRINTER ASSY,REXCN	EA
0018A			* (BSC) SPECIAL CUSTOMER 1225-1020-000	
0018B			* COLORS 1225-1020-000	
0019	REF	2360017-0001	810 PRINTER ASSY,TRIAD,FORMS LG,COMP PRT	EA
0019A			* (FCO) SPECIAL CUSTOMER 1225-0017-000	
0019B			* COLOR 1225-0017-000	
0020	REF	2360038-0001	810 PRINTER ASSY,CADC,SPECIAL	EA
0020A			* (VCO) SPECIAL CUSTOMER 1225-0038-000	
0020B			* COLORS 1225-0038-000	
0021	REF	2360080-0001	810 PRINTER,KODAK (KAD389591)	EA
0021A			* (FUL) (BSC) CUSTOMER 1225-0080-000	
0021B			* COLORS SPECIAL 1225-0080-000	
0022	REF	2230488-0004	810 PRINTER, ITT COURIER, HILTON	EA
0022A			* (ITT) (VFC) SPECIAL 1225-4488-000	
0022B			* COLORS 1225-4488-000	
0023	REF	2230488-0003	810 PRINTER, ITT COURIER, BASIC	EA
0023A			* (BSC) SPECIAL CUSTOMER 1225-3488-000	
0023B			* COLORS 1225-3488-000	
0024	REF	2230488-0002	SPECIAL ASSY,ISC W/FL-810	EA
0024A			* (FLC) SPECIAL CUSTOMER 1225-2488-000	
0024B			* COLORS 1225-2488-000	
0025	REF	2230488-0001	SPECIAL ASSY,ISC-810	EA

List of Materials

05/12/84

PART NUMBER 0994310-0001 REV Y DESCRIPTION..... 810 PRINTER CONFIGURATIONS

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....		UM
0025A			* (BSC) SPECIAL CUSTOMER 1225-1488-000		
0025B			* COLOR 1225-1488-000		
0026	REF	2360000-0001	DIAGRAM,FAMILY TREE,MODEL 810 PRINTER		EA
0027	REF	0994170-9901	EQUIP SPEC,MULTICOPY R/C FORMS PRINTER		EA
0028	REF	0994401-0002	TI PARALLEL INTERFACE (PLI)		EA
0028A			* (PLI) 1225-3401-000		
0029	REF	0994402-0001	KIT, CURRENT LOOP, I/F (TTY),810		EA
0029A			* (TTY) 1225-1402-000		
0030	REF	0994511-0001	LINE BUFFER OPTION-EIA	LBE	EA
0030A			* (LBE) 0000-0000-000		
0031	REF	0994512-0001	LINE BUFFER OPTN-CURRENT LOOP	LBI	EA
0031A			* (LBI) 1225-1512-000		
0032	REF	0994513-0001	LINE BUFFER OPTION-PARALLEL	LBP	EA
0032A			* (LBP) 1225-5135-000		
0033	REF	2360091-0001	FIELD INSTALLATION KIT,810 LTR QUALITY		EA
0033A			* (LQP) 1225-9091-000		

05/12/84

PART NUMBER 0994310-0002 REV Y DESCRIPTION..... 810 OPTIONS AND SUBOPTIONS

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....		UM
0050	REF	0994395-0001	CHAR SET,ENGLISH LTD ASCII	W/O VFC	EA
0050A			*(UKL) 1225-3395-038		
0051	REF	0994395-0002	CHAR SET,DAN-NOR LTD ASCII	W/O VFC	EA
0051A			*(DNL) 1225-2395-000		
0052	REF	0994395-0003	CHAR SET,SWED-FIN LTD ASCII	W/O VFC	EA
0052A			*(SWL) 1225-3395-000		
0053	REF	0994395-0004	CHAR SET,GERMAN LTD ASCII	W/O VFC	EA
0053A			*(GRL) 1225-4395-000		
0054	REF	0994395-0008	CHAR SET,EXPANDED LTD ASCII	W/O VFC	EA
0054A			*(EXP)CANNOT BE USED WITH 1225-8395-000		
0054B			*-0001 & -0002 MECH ASSY 1225-8395-000		

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
0994310-0002	Y	810 OPTIONS AND SUBOPTIONS

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION		UM
0055	REF	0994395-0010	CHAR SET,US FULL ASCII,-1 PROC		EA
0055A			*(FUL)USED WITH 994244-1 1225-1095-000		
0055B			*PROCESSOR ONLY 1225-1095-000		
0056	REF	0994395-0011	CHAR SET,ENGLISH FULL ASCII	W/O VFC	EA
0056A			*(UKF) 1225-1195-000		
0057	REF	0994395-0012	CHAR SET,DAN-NOR FULL ASCII	W/O VFC	EA
0057A			*(DNF) 1225-1295-000		
0058	REF	0994395-0013	CHAR SET,SWED-FIN FULL ASCII	W/O VFC	EA
0058A			*(SWF) 1225-1395-000		
0059	REF	0994395-0014	CHAR SET,GERMAN FULL ASCII	W/O VFC	EA
0059A			*(GRF) 1225-1495-000		
0060	REF	0994395-0015	CHAR SET,KATAKANA	W/O VFC	EA
0060A			*(KAT) 1225-1595-000		
0061	REF	0994395-0016	CHAR SET,KATAKANA SPECIAL	W/O VFC	EA
0061A			*(KTS) 1225-1695-000		
0062	REF	0994395-0017	CHAR SET,CARS SPECIAL	W/O VFC	EA
0062A			*(CAR) 1225-1495-000		
0063	REF	0994395-0101	CHAR SET,ENGLISH LTD ASCII	W/VFC	EA
0063A			*(UKL) 1225-1015-000		
0064	REF	0994395-0102	CHAR SET,DAN-NOR LTD ASCII	W/VFC	EA
0064A			*(DNL) 1225-1025-000		
0065	REF	0994395-0103	CHAR SET,SWED-FIN LTD ASCII	W/VFC	EA
0065A			*(SWL) 1225-1035-000		
0066	REF	0994395-0104	CHAR SET,GERMAN LTD ASCII	W/VFC	EA
0066A			*(GRL) 1225-1045-000		
0067	REF	0994395-0108	CHAR SET,EXPANDED LTD ASCII	W/VFC	EA
0067A			*(EXP)CANNOT BE USED WITH 1225-1085-000		
0067B			*-0001 & -0002 MECH 1225-1085-000		
0068	REF	0994395-0111	CHAR SET,ENGLISH FULL ASCII	W/VFC	EA
0068A			*(UKF) 1225-1115-000		
0069	REF	0994395-0112	CHAR SET,DAN-NOR FULL ASCII	W/VFC	EA

List of Materials

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PART NUMBER REV DESCRIPTION.....
0994210-0002 Y 810 OPTIONS AND SUBOPTIONS

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....		UM
0069A			*(DNF)		
			1225-1125-000		
0070	REF	0994395-0113	CHAR SET,SWED-FIN FULL ASCII	W/VFC	EA
0070A			*(SWF)		
			1225-1135-000		
0071	REF	0994395-0114	CHAR SET,GERMAN FULL ASCII	W/VFC	EA
0071A			*(GRF)		
			1225-1145-000		
0072	REF	0994395-0115	CHAR SET,KATAKANA	W/VFC	EA
0072A			*(KAT)		
			1225-1155-000		
0073	REF	0994395-0116	CHAR SET,KATAKANA SPECIAL	W/VFC	EA
0073A			*(KTS)		
			1225-1165-000		
0074	REF	0994395-0117	CHAR SET,SWEDISH SPECIAL	W/VFC	EA
0074A			*(SWS)		
			1225-1175-000		
0075	REF	0994395-0019	CHAR SET,US FULL ASCII	W/O VFC-2P	EA
0075A			*(FUL)TO BE USED WITH		
			1225-1995-000		
0075B			*994244-2 PROCESSOR		
			1225-1995-000		
0076	REF	0994395-0119	CHAR SET,US FULL ASCII	W/VFC,-2PR	EA
0076A			*(FUL)USE -0002 PROCESSOR		
			1225-9995-000		
0076B			*OR GREATER		
			1225-9995-000		
0077	REF	0994395-0501	CHAR SET,AIRLINE FULL ASCII	W/O VFC	EA
0077A			*(UAL)		
			1225-5015-000		
0078	REF	2232579-0001	PROM, CHARACTER SET, UAL - 810 PRINTER		EA
0078A			*(UA2)INSTALLS IN U55 ON		
			0000-0000-000		
0078B			*994244-2 TO BE USED WITH		
			0000-0000-000		
0078C			*ITEM 79		
			0000-0000-000		
0079	REF	2232579-0002	PROM, PATCH, UAL - 810 PRINTER		EA
0079A			*(UA2)INSTALLS IN U67 ON		
			0000-0000-000		
0079B			*994244-2 TO BE USED WITH		
			0000-0000-000		
0079C			*ITEM 78		
			0000-0000-000		
0080	REF	0994395-0502	CHAR SET,MED LID MOD FUL ASCII	W/VFC	EA
0080A			*(LOM)		
			1225-5025-000		
0081	REF	0994395-0020	CHARACTER ST KIT,KODAK FULL ASCII		EA

List of Materials

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PART NUMBER REV DESCRIPTION.....
0994310-0002 Y 810 OPTIONS AND SUBOPTIONS

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0081A			*(KBK) 1225-2095-000	
0082	REF	0994395-0023	CHARACTER ST KIT,SPH F ASC	EA
0082A			*(SPF) 1225-0000-000	
0083	REF	0994395-0024	CHARACTER ST KIT,SPH TEXT EDIT	EA
0083A			*(SPT) 1225-0000-000	
0084	REF	2230493-0001	OVERPRINT PROM,ITT COURIER	EA
0085	REF	2360026-0001	NDE OPTION	EA
0085A			*(NDE)PROCESSOR SUBOPTION 1225-0000-000	
0086	REF	2360026-0002	DNB OPTION	EA
0086A			*(DNB)PROCESSOR SUBOPTION 1225-0000-000	
0087	REF	2360026-0003	IRC OPTION	EA
0087A			*(IRC)PROCESSOR SUBOPTION 1225-0000-000	
0088	REF	2360026-0004	DCO OPTION	EA
0088A			*(DCO)PROCESSOR SUBOPTION 1225-0000-000	
0089	REF	2360026-0005	GED OPTION	EA
0089A			*(GED)LINE BUFFER SUBOPTION 1225-0000-000	
0090	REF	2360026-0006	HDP OPTION	EA
0090A			*(HDP)LINE BUFFER SUBOPTION 1225-0000-000	
0091	REF	2360026-0007	DSC OPTION	EA
0091A			*(DSC)LINE BUFFER SUBOPTION 1225-0000-000	
0092	REF	2360026-0008	DNB OPTION	EA
0092A			*(DNB)LINE BUFFER SUBOPTION 1225-0000-000	
0092B			*W/ PROCESSOR DNB DISABLED 1225-0000-000	
0093	REF	2360026-0009	IRC OPTION	EA
0093A			*(IRC)LINE BUFFER SUBOPTION 1225-0000-000	
0093B			*W/PROCESSOR IRC DISABLED 1225-0000-000	
0094	REF	2360026-0010	GDS OPTION	EA
0094A			*(GDS)LINE BUFFER SUBOPTION 1225-0000-000	
0095	REF	2360026-0011	ISC OPTION - OBSOLETE	EA
0095A			*(ISO)NO LONGER BUILT, 0000- -000	

List of Materials

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PART NUMBER 0994310-0002 REV Y DESCRIPTION..... 810 OPTIONS AND SUBOPTIONS

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0095B			*USE ISC 0000- -000	
0096	REF	2360026-0012	ISC OPTION	EA
0096A			*(ISC)MOTHERBOARD ISOLATED 1225-1226-000	
0096B			*GND 1225-1226-000	
0097	REF	2360026-0013	100V POWER INPUT	EA
0097A			*POWERBOARD ISOLATED GND 1225-0000-000	
0098	REF	2360026-0014	220V POWER INPUT	EA
0098A			*POWER MODULE PROGRAMMABLE 1225-0000-000	
0098B			*CARD 1225-0000-000	
0099	REF	2360026-0015	240V POWER INPUT	EA
0099A			*POWER MODULE PROGRAMMABLE 1225-0000-000	
0099B			*CARD 1225-0000-000	
0100	REF	0994445-0001	BAUD RATE OPTION	EA

05/12/34

PART NUMBER 0994310-0003 REV Y DESCRIPTION..... 810 PRINTER ACCESSORIES

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0150	0000.000	0996241-0002	RIBBON,BLACK,40 YARD-SIX PACK 000494-116-2801-1635	PK
0151	REF	0994440-0001	PAPER BASKET KIT,STAND	EA
0152	REF	0994509-0001	TEAR BAR OPT.,100 COL.,810 (FACTORY)	EA
0153	REF	0993204-0001	CABLE ASSY,103/113 DATA SET	EA
0154	REF	0993205-0001	CABLE ASSY,202/212 DATA SET	EA
0155	REF	0993210-0001	CABLE ASSY,DATA TERMINAL	EA
0156	REF	0969626-0001	CABLE ASSY EIA-742	EA
0157	REF	0959372-0001	CABLE ASSY,EIA 300 BAUD I/F	EA
0158	REF	0983848-0001	CABLE ASSY,EIA 103A INTERFACE	EA
0159	REF	0975056-0010	CABLE ASSY,EXTN,EIA LINE PRINTER,10FT	EA
0160	REF	0975056-0020	CABLE ASSY,EXTN,EIA LINE PRINTER,20FT	EA
0161	REF	0994403-0001	CABLE ASSY, CURRENT LOOP	EA
0162	REF	0414127-0001	CONNECTOR,PLUG-36 CONTACTS	EA

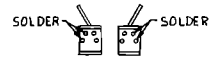
List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
0994310-0003	Y	810 PRINTER ACCESSORIES

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0162A			*PARALLEL I/F PLUG	
0163	REF	0993211-0001	CABLE ASSY,EIA EXTENSION	EA
0164	REF	0994399-0001	EXTENDER	EA
0165	REF	0973265-0001	CABLE ASSY,AUX EIA I/F - 742	EA
0166	REF	0994535-0001	CONTAINER,SHIPPING,810 IMPACT PRINTER	EA
0167	REF	0994386-9701	MANUAL,MAINTENANCE,810 PRINTER,VOLUME I	EA
0168	REF	0994353-9701	OPERATORS MANUAL,810 PRINTER	EA
0169	REF	0997000-9901	PRODUCT INDEX,MC-810 TEST EQUIPMENT	EA
0170	REF	0994436-9901	INDEX,810 PRINTER SHIPPING CONTAINER	EA
0171	00000.000	0999841-0001	OMNI 800 TERMINAL STAND 1225-0000-000	EA
0172	REF	0999839-0001	PAPER BASKET-STAND MOUNTED	EA
0173	REF	0999841-0002	TERMINAL STAND-OMNI 800,INFOREX SPECIAL	EA
0174	REF	0999841-0003	KIT,TERMINAL STAND,REXON SPECIAL	EA
0175	REF	0999841-0004	KIT,TERMINAL STAND,ISC SPECIAL	EA
0176	REF	2360007-0001	ACCESS DOOR KIT,810 PC PRINTER	EA

NOTES: UNLESS OTHERWISE SPECIFIED
1. MAX LEAD LENGTH TO BE .080 FROM CONDUCTOR SIDE OF BOARD.
2. DO NOT SOLDER ON COMPONENT SIDE
3. INSTALL EJECTORS (ITEMS 2 & 3) AND SWITCH (ITEM 30) AFTER PROCESS 2.
4. MASK ALL CONN FINGERS ON BOTH SIDES OF BOARD WHEN SOLDERING TO PREVENT SOLDER FROM WICKING DOWN CONN FINGERS.
5. MARK ASSEMBLY DATE CODE IN LOCATION SHOWN PER PROCESS 1 AND ITEM 102.
6. MARK APPROPRIATE REVISION LETTER IN LOCATION SHOWN PER PROCESS 1 AND REVISION LEVEL BLOCK
7. HEATSINKS (ITEMS 83 184) MUST BE SQUARELY ORIENTED IN THEIR LOCATIONS AND MUST NOT TOUCH AND SHORT OUT ADJACENT COMPONENT LEADS OR CONDUCTOR RUNS
8. TO PREVENT DAMAGE TO SWITCH S1 (ITEM 90), SOLDER WITH LEVER IN POSITION SHOWN BELOW:

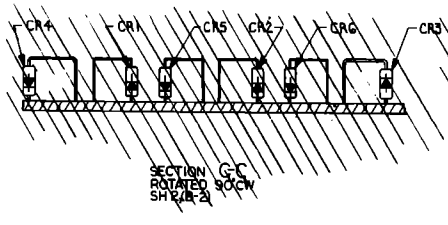


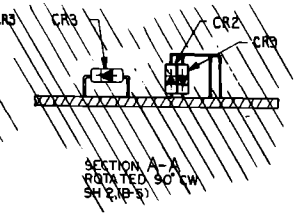
9. TORQUE TO 5 IN. LBS. MAX
10. ITEM 109 CONSISTS OF COMPONENTS WHICH ARE AUTO-INSERTED AND ARE CONTAINED IN THE -5000 SERIES LMS.
11. TORQUE TO 3 IN. LBS MAX

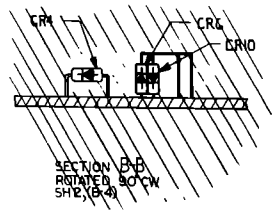
994322 | 1

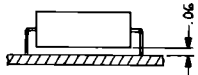
REVISIONS

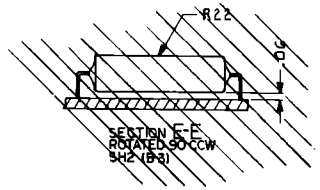
REV	DESCRIPTION	DATE	APPROVED
M	CN438906 [illegible] 1) LM ITEM 41-5001 WAS QTY 1 P/N 51275 [illegible] 2) LM ITEM 42-5001 WAS QTY 2 P/N 97750-25	11-17-78	
N	CN438899 C.R.	5-1-79	D. Stevens
	1) LM-0001 DELETED ITEMS 4 THRU 10 AND ITEMS 12 AND 13, (2) LM-5001 ADDED ITEM 54 THRU 62 (ITEMS 4 THRU 10 & 12 & 13 OF LM-0001 (3) NOTE 9 WAS TORQUE TO 4 IN-LBS MAX		
P	CN434183 C Rev	5-14-79	D. Stevens
	1) LM-0001 DELETED ITEM 98 AND ITEM 99 (2) SH2 ZONE B1 & C1 DELETED ITEM 98 AND 99 (3) SH2 ZONE B6 B7 AND B8 DELECTED PICTORTIAL OF ITEM 98 AND 99		
R	CN439046 REKHA SETH	8/20/79	
	1) LM ADDED ITEM 110 AND NOTE 11 2) SH 2 (A-8) (10 WAS (10) AR		

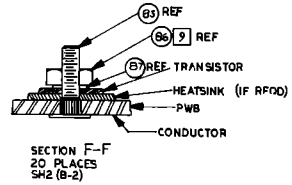












10	994322-5001	AUTO-INSERTED PARTS LIST FOR 994322-0001
	994322-0001	DRIVER, PRINTHEAD AND MOTOR
	PART NUMBER	DESCRIPTION

REV STATUS OF SHEETS	REV	A	R		
	SH	1	2		

QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES
		PARTS LIST			
994293	8733				
994292	8733				
NEXT ASSY	USED ON				
APPLICATION					

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES: ANGLES ±1°; 1 PLACE DECIMALS ±.010; 2 PLACE DECIMALS ±.02
- INTERPRET DRAWING PER ANSI Y14.5M-1982
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MAXIMUM DIAMETERS, DIO, I.M.
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

.063 THRU .109	.004 .001	1.25 THRU 1.75	.008 .001	.751 THRU .900	.008 .001
.561 THRU .749	.008 .001	.751 THRU .750	.010 .001	1.001 THRU 2.000	.012 .001

DRAWN		DATE	10-14-76
ENG			10-22-76
			11/3/76
			12/2/76
CONT			12-5-76
			12/2/76
			12/8/76

TEXAS INSTRUMENTS INCORPORATED DALLAS, TEXAS

DRIVER, PRINTHEAD & MOTOR

SIZE D | FSCM NO. 96214 | DRAWING NO. 994322

SCALE 2/1 | SHEET 1 OF 2

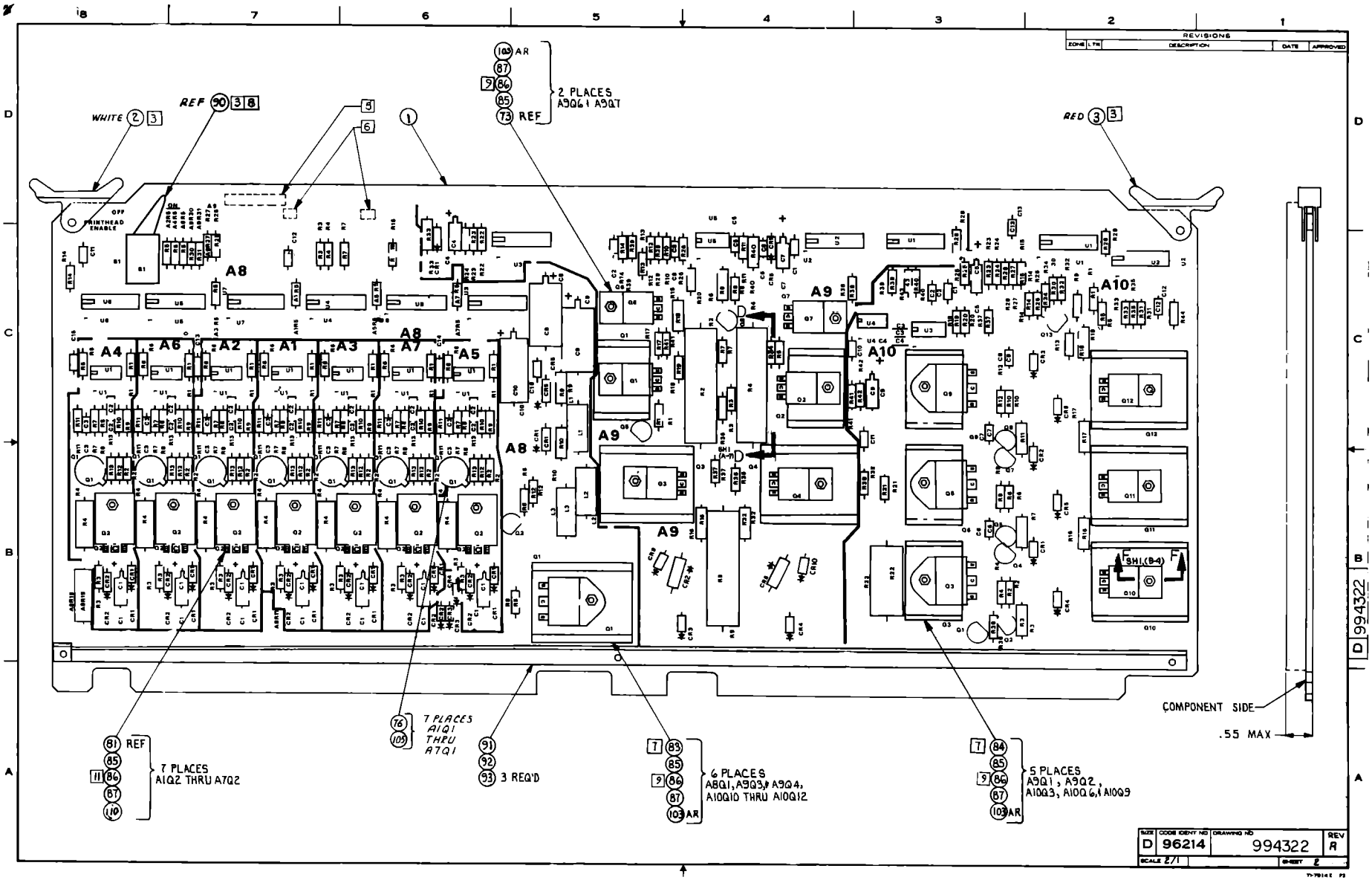
SEQ NO	IDENT	F-SPEC	NO	ADDITIONAL	NOTES
3	SLDR	127-01	00		
2	SLDR	124-02	00		
1	MARK	100-02	21	HEIGHT: .06; COLOR: BLACK	
	PROCESS			CLASSIFICATION	

PROCESSES — FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE T1 DRAWING 729407

REVISION LEVEL

DIAGRAM 994320	A	A	B	C	C	C	C	C	C	C	C	C	C	C					
ASSEMBLY	A	B	C	F	G	H	J	K	L	M	N	P	R						

4 32


REVISIONS
ZONE | LTR | DESCRIPTION | DATE | APPROVED
WHITE (2) [3]
REF (90) [3] [8]
[5]
[6]
(1)
(103) AR
(87)
[9] (86)
(85)
(73) REF
2 PLACES A9Q4 & A9Q7
RED (3) [3]
OFF PRINTHEAD ENABLE
A8
A4
A6
A2
A1
A3
A7
A5
A9
A10
(81) REF
(85)
[11] (86)
(87)
(110)
7 PLACES A1Q2 THRU A7Q2
(76)
(109)
7 PLACES A1Q1 THRU A7Q1
(91)
(92)
(93) 3 REQ'D
[7] (83)
(85)
[9] (86)
(87)
(103) AR
6 PLACES A8Q1, A9Q3, & A9Q4, A10Q10 THRU A10Q12
[7] (84)
(85)
[9] (86)
(87)
(103) AR
5 PLACES A9Q1, A9Q2, A10Q3, A10Q6, & A10Q9
SHI (B-4)
COMPONENT SIDE
.55 MAX
D 994322
SIZE D | CODE IDENT NO 96214 | DRAWING NO 994322 | REV A
SCALE 2/1
SHEET 2

LIST OF MATERIALS

07/25/81

PART NUMBER	REV	DESCRIPTION
0994322-0001	R	DRIVER,PRINTHEAD AND MOTOR

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0002	00001.000	0413277-0001	EJECTOR,PCB,NON-LOCKING,WHITE	EA
			SCA -S-200(NATURAL)	
0003	00001.000	0413277-0015	EJECTOR,PCB,NON-LOCKING,C.RED	EA
			SCA -S-200(C.RED)	
0015	00001.000	0996272-0001	RESISTOR,FIX .2 OHMS,NON-INDUCTIVE 1% 5W	EA
			REI - NT-5	
0015A			A10R22	
			REI - NT-5	
0016	00007.000	0996274-0001	RES.FIXED 0.2 OHM,NON-INDUCTIVE 1% 0.4W	EA
			REI - NT-1/2A	
0016A			A1R11, A2R11, A3R11, A4R11,	
			REI - NT-1/2A	
0016B			A5R11, A6R11, A7R11	
			REI - NT-1/2A	
0017	00001.000	0996297-0001	RES FIXED .25 OHMS .25%	EA
			RCL - NT-7	
0017A			A9R9	
			RCL - NT-7	
0018	00002.000	0996297-0002	RES FIXED 80 OHMS 1%	EA
			RCL - NT-7	
0018A			A9R2, A9R4	
			RCL - NT-7	
0019	00007.000	0996283-0001	RESISTOR,FIXED 220 OHMS 1% 3 WATT	EA
			REI - T-2B-79	
0019A			A1R4, A2R4, A3R4, A4R4,	
			REI - T-2B-79	
0019B			A5R4, A6R4, A7R4	
			REI - T-2B-79	
0022	00001.000	0972947-0055	RES FIX 390 OHM 5% .5 W CARBON FILM	EA
			ROH - R-50	
0022A			A10R18	
			ROH - R-50	
0057	00010.000	0996281-0002	RECTIFIER,SILICON,FAST RECOVERY 100V	EA
			014099-SS3889	
0057A			A9CR3 A9CR4 A9CR9 A9CR10	
			014099-SS3889	
0057B			A10CR1 A10CR2 A10CR3	
			014099-SS3889	
0057C			A10CR4 A10CR5 A10CR6	
			014099-SS3889	
0058	00002.000	0996280-0001	DIODE UCP3001 RECTIFIER 3 AMP	EA
0058A			A9CR2, A9CR6	
0061	00001.000	0539468-0002	DIODE,1N4002 1AMP 100PIV RECTIFIER	EA
			TI - IN4002	
0061A			A8CR4	
			TI - IN4002	
0065	00001.000	0972929-0361	CAP FIX CERAMIC 10.0 PF 10 % 200 V	EA
			QPL -M39014/01-1361	
0065A			A10C3	
			QPL -M39014/01-1361	
0066	00001.000	0972929-0382	CAP 150 PF 10% 200V FXD CER STYLE CKR05	EA
			MIL -C-39014/1C-138	
0066A			A10C4	
			MIL -C-39014/1C-138	

LIST OF MATERIALS

07/25/81

PART NUMBER REV DESCRIPTION.....
0994322-0001 R DRIVER,PRINTHEAD AND MOTOR

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0067	00007.000	0972929-0396	CAP FIX CERAMIC 820 PF 10 % 200 V	EA
			QPL -M39014/01-1396	
0067A			A1C2, A2C2, A3C2, A4C2,	
			QPL -M39014/01-1396	
0067B			A5C2, A6C2, A7C2	
			QPL -M39014/01-1396	
0070	00002.000	0972924-0012	CAP FIX TANT SOLID 150 MFD 10 % 15 VOLT	EA
			QPL -M39003/1-2277	
0070A			A8C9, A8C10	
			QPL -M39003/1-2277	
0071	00001.000	0972924-0008	CAP FIX TANT SOLID 220 MFD 10 % 10 VOLT	EA
			QPL -M39003/1-2265	
0071A			A8C8	
			QPL -M39003/1-2265	
0072	00003.000	0958760-0004	TRANSISTOR TIP33C POWER NPN	EA
			001295-TIP33C	
0072A			A10Q3 A10Q6 A10Q9	
			001295-TIP33C	
0073	00002.000	0772113-0004	TRANSISTOR TIP29C	EA
			TI -TIP29C	
0073A			A9Q6, A9Q7	
			TI -TIP29C	
0074	00002.000	0772114-0004	TRANSISTOR TIP32C	EA
			TI -TIP32C	
0074A			A9Q1, A9Q2	
			TI -TIP32C	
0075	00001.000	0996278-0001	TRANSISTOR,EP2386 DARLINGTON NPN	EA
			TI -EP2386	
0075A			A8Q1	
			TI -EP2386	
0076	00007.000	0996298-0001	TRANSISTOR,SGD2162 PNP SWITCHING	EA
			TI -SGD2162	
0076A			A1Q1, A2Q1, A3Q1, A4Q1,	
			TI -SGD2162	
0076B			A5Q1, A6Q1, A7Q1	
			TI -SGD2162	
0077	00005.000	0972572-0003	TRANSISTOR,TIP122 SILICON NPN DARLINGTON	EA
			TI -TIP122	
0077A			A9Q3, A9Q4, A10Q10, A10Q11,	
			TI -TIP122	
0077B			A10Q12	
			TI -TIP122	
0078	00003.000	0996337-0001	XST A5T2243	EA
			TI -A5T2243	
0078A			A10Q1, A10Q4, A10Q7	
			TI -A5T2243	
0079	00002.000	0800523-0001	TRANSISTOR A5T2907 PNP SILICON	EA
			TI- -A5T2907	
0079A			A9Q5, A9Q8	
			TI- -A5T2907	
0080	00005.000	0972455-0004	TRANSISTOR,SILICON-P-N-P,A5T4029	EA
			TI -A5T4029	

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07/25/81

PART NUMBER REV DESCRIPTION.....
0994322-0001 R DRIVER,PRINTHEAD AND MOTOR

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0080A			A8Q2, A10Q2, A10Q5, A10Q8, TI -A5T4029	
0080B			A10Q13 TI -A5T4029	
0081	00007.000	0996284-0001	TRANSISTOR,2N6497 PWR SILICON NPN MOT -2N6497	EA
0081A			A1Q2, A2Q2, A3Q2, A4Q2, MOT -2N6497	
0081B			A5Q2, A6Q2, A7Q2 MOT -2N6497	
0083	00006.000	0996285-0002	HEATSINK,TRANSISTOR 013103-6106B-14	EA
0084	00005.000	0996285-0001	HEATSINK,TRANSISTOR 013103-6107B-14	EA
0085	00020.000	0972355-0003	STUD,CLINCH,.375 LONG,BRONZE 046384-KFH-440-6	EA
0086	00020.000	0416453-0021	NUT,PLAIN,4-40 UNC-2B HEX,CRES,SMALL QPL - NAS671-C4	EA
0087	00020.000	0411100-0070	LOCKWASHER #4 INTERNAL TOOTH CRES QPL - MS35333-70	EA
0088	REF	0994320-9901	DIAGRAM,LOGIC,DRIVER	EA
0090	00001.000	0996345-0001	SWITCH,TOGGLE,PCB 2 CIRCUIT COS - T8201	EA
0090A			S1 COS - T8201	
0091	00001.000	0945239-0001	BRACKET-STIFFENER, PWB, 14IN 1679-0239-035	EA
0092	00001.000	0966486-0001	INSULATOR PWB STIFFENER 1679-0486-000	EA
0093	00003.000	0972684-0002	SCREW,THD FRMG,HEX WSHR HD,2-56X1/4 LG	EA
0095	00001.000	0972929-0391	CAP FIX CERAMIC 470 PF 10 % 200 V QPL -M39014/01-1391	EA
0095A			A10C10 QPL -M39014/01-1391	
0097	00001.000	0996283-0002	RES FIXED 5.6K 5% 3W RCL - T-2B-79	EA
0097A			A8R15 RCL - T-2B-79	
0100	00007.000	0996281-0004	RECTIFIER,SILICON,FAST RECOVERY 200V 014099-UES 1104	EA
0100A			A1CR2 A2CR2 A3CR2 A4CR2 014099-UES 1104	
0100B			A5CR2 A6CR2 A7CR2 014099-UES 1104	
0101	REF	0983412-9901	REVISION LEVEL STATUS,MC810/ATS	EA
0102	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0103	AR	0415886-0003	GREASE,SILICONE,HEAT COND. COR - DC 340	TU
0105	00007.000	0184262-0001	PAD,MOUNTING,TO-5, 4 LEAD,RED THR - 7717-5	EA
0109	00001.000	0994322-5001	AUTO-INSERTED PARTS LIST FOR 994322-0001 1225-5322-000	EA
0110	00007.000	0996521-0010	INSULATOR, .147DIA .750LG .500W 055285-7403-09FR-54	EA
9999	00002.000	0239999-9999	COST, SHRINKAGE	EA

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PART NUMBER 0994322-5001 REV R
DESCRIPTION..... AUTO-INSERTED PARTS LIST FOR 994322-0001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	0994321-0001	PWB,DRIVER	EA
0002	00002.000	0972947-0043	RES FIX 120 OHM 5% .5 W CARBON FILM ROH - R-50	EA
0002A			A9R6 A9R18 ROH - R-50	
0003	00005.000	0972947-0055	RES FIX 390 OHM 5% .5 W CARBON FILM ROH - R-50	EA
0003A			A9R16 A9R32 A10R16 A10R17 ROH - R-50	
0003B			A8R9 ROH - R-50	
0004	00003.000	0972947-0061	RES FIX 680 OHM 5% .5 W CARBON FILM ROH - R-50	EA
0004A			A10R3 A10R7 A10R11 ROH - R-50	
0005	00011.000	0972946-0027	RES FIX 27.0 OHM 5 % .25 W.CARBON FILM ROH - R-25	EA
0005A			A1R3 A2R3 A3R3 A4R3 A5R3 ROH - R-25	
0005B			A6R3 A7R3 A9R1 A9R3 A9R5 ROH - R-25	
0005C			A9R17 ROH - R-25	
0006	00003.000	0972946-0017	RES FIX 10.0 OHM 5 % .25 W.CARBON FILM ROH - R-25	EA
0006A			A10R4 A10R8 A10R12 ROH - R-25	
0007	00001.000	0972946-0035	RES FIX 56.0 OHM 5 % .25 W.CARBON FILM ROH - R-25	EA
0007A			A10R14 ROH - R-25	
0008	00002.000	0972946-0038	RES FIX 75.0 OHM 5 % .25 W.CARBON FILM ROH - R-25	EA
0008A			A9R7 A9R19 ROH - R-25	
0009	00001.000	0972946-0039	RES FIX 82.0 OHMS 5 % .25 W CARBON FILM ROH - R-25	EA
0009A			A10R13 ROH - R-25	
0010	00002.000	0972947-0051	RES FIX 270 OHM 5% .5 W CARBON FILM ROH - R-50	EA
0010A			A8R10 A9R33 ROH - R-50	
0011	00002.000	0972946-0041	RES FIX 100 OHM 5 % .25 W CARBON FILM ROH - R-25	EA
0011A			A8R5 A10R44 ROH - R-25	
0012	00003.000	0972946-0045	RES FIX 150 OHM 5 % .25 W CARBON FILM ROH - R-25	EA
0012A			A10R2 A10R6 A10R10 ROH - R-25	
0013	00001.000	0972946-0052	RES FIX 300 OHM 5 % .25 W CARBON FILM ROH - R-25	EA
0013A			A10R39 ROH - R-25	
0014	00007.000	0972946-0051	RES FIX 270 OHM 5 % .25 W CARBON FILM ROH - R-25	EA
0014A			A1R1 A2R1 A3R1 A4R1 A5R1 ROH - R-25	
0014B			A6R1 A7R1 ROH - R-25	

LIST OF MATERIALS

07/25/81

PART NUMBER REV DESCRIPTION.....
0994322-5001 R AUTO-INSERTED PARTS LIST FOR 994322-0001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0015	00002.000	0972946-0053	RES FIX 330 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0015A			A9R8 A9R20	
			ROH - R-25	
0016	00004.000	0972946-0057	RES FIX 470 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0016A			A10R1 A10R5 A10R9 A10R43	
			ROH - R-25	
0017	00001.000	0972946-0059	RES FIX 560 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0017A			A10R15	
			ROH - R-25	
0018	00008.000	0972946-0061	RES FIX 680 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0018A			A1R2 A2R2 A3R2 A4R2 A5R2	
			ROH - R-25	
0018B			A6R2 A7R2 A8R7	
			ROH - R-25	
0019	00032.000	0972946-0065	RES FIX 1.0K OHM 5% .25 W CARBON FILM	EA
			ROH - R-25	
0019A			A1R5 A1R8 A2R5 A2R8 A3R5	
			ROH - R-25	
0019B			A3R8 A4R5 A4R8 A5R5 A5R8	
			ROH - R-25	
0019C			A6R5 A6R8 A7R5 A7R8 A8R3	
			ROH - R-25	
0019D			A8R4 A8R8 A8R14 A9R11 A9R24	
			ROH - R-25	
0019E			A9R25 A9R27 A9R28 A9R30	
			ROH - R-25	
0019F			A9R31 A10R26 A10R28 A10R30	
			ROH - R-25	
0019G			A10R31 A10R32 A10R33 A10R34	
			ROH - R-25	
0020	00002.000	0539370-0427	RES FIX FILM 2.74K OHM 1% .25 WATT	EA
			COR - NA55	
0020A			A10R20 A10R21	
			COR - NA55	
0021	00007.000	0539370-0481	RES FIX FILM 10.0K OHM 1% .25 WATT	EA
			COR -NA55D-100PPM/C	
0021A			A1R9 A2R9 A3R9 A4R9 A5R9	
			COR -NA55D-100PPM/C	
0021B			A6R9 A7R9	
			COR -NA55D-100PPM/C	
0022	00002.000	0972946-0093	RES FIX 15K OHM 5% .25 W CARBON FILM	EA
			ROH - R-25	
0022A			A10R27 A10R29	
			ROH - R-25	
0023	00028.000	0972946-0089	RES FIX 10K OHM 5% .25 W CARBON FILM	EA
			1640-2132-000	
0023A			A1R12 A1R13 A2R12 A2R13	
			1640-2132-000	
0023B			A3R12 A3R13 A4R12 A4R13	
			1640-2132-000	
0023C			A5R12 A5R13 A6R12 A6R13	
			1640-2132-000	
0023D			A7R12 A7R13 A8R11 A9R41	
			1640-2132-000	
0023E			A9R34 A9R35 A9R36 A9R37	
			1640-2132-000	

LIST OF MATERIALS

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PART NUMBER REV DESCRIPTION.....
0994322-5001 R AUTO-INSERTED PARTS LIST FOR 994322-0001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0023F			A9R38 A9R39 A10R35 A10R36	
			1640-2132-000	
0023G			A10R37 A10R38 A10R41 A10R42	
			1640-2132-000	
0024	00002.000	0539370-0510	RES FIX FILM 20.0K OHM 1% .25 WATT	EA
			COR -NA55D-100PPM/C	
0024A			A9R10 A9R26	
			COR -NA55D-100PPM/C	
0025	00001.000	0539370-0637	RES FIXED FILM 422K OHMS 1% .25 WATT	EA
			COR - NA55	
0025A			A9R12	
			COR - NA55	
0026	00001.000	0539812-0055	RES,FIXED 4.10K .1% MF 1/8W	EA
0026A			A9R22	
0027	00002.000	0539812-0045	RES,FIXED 4.99K .1% MF 1/8W	EA
0027A			A9R13 A9R23	
0028	00007.000	0972946-0129	RES FIX 470K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0028A			A1R7 A2R7 A3R7 A4R7 A5R7	
			ROH - R-25	
0028B			A6R7 A7R7	
			ROH - R-25	
0029	00001.000	0539812-0056	RES,FIXED 30.7K .1% MF 1/8W	EA
0029A			A9R14	
0030	00001.000	0539370-0448	RES FIX FILM 4.53K OHM 1% .25 WATT	EA
			COR - NA55	
0030A			A10R23	
			COR - NA55	
0031	00001.000	0539370-0347	RES FIX FILM 402 OHM 1% .25 WATT	EA
			COR - NA55	
0031A			A10R24	
			COR - NA55	
0032	00001.000	0539370-0318	RES FIX FILM 200 OHM 1% .25 WATT	EA
			COR - NA55	
0032A			A10R25	
			COR - NA55	
0033	00001.000	0539370-0531	RES FIX FILM 33.2K OHM 1% .25 WATT	EA
			COR - NA55	
0033A			A9R29	
			COR - NA55	
0034	00007.000	0539370-0361	RES FIX FILM 562 OHM 1% .25 WATT	EA
			COR - NA55	
0034A			A1R10 A2R10 A3R10 A4R10	
			COR - NA55	
0034B			A5R10 A6R10 A7R10	
			COR - NA55	
0035	00001.000	0539370-0627	RES FIX FILM 332K OHM 1% .25 WATT	EA
0035A			A10R19	
0036	00007.000	0972268-0003	DIODE IN4935 1 AMP	EA
			SEE - TI DRAWING	

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PART NUMBER	REV	DESCRIPTION
0994322-5001	R	AUTO-INSERTED PARTS LIST FOR 994322-0001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0036A			A1CR1 A2CR1 A3CR1 A4CR1	
			SEE - TI DRAWING	
0036B			A5CR1 A6CR1 A7CR1	
			SEE - TI DRAWING	
0037	00001.000	0972934-0007	DIODE,1N752A 5.6 V 5% SIL VOLT REG	EA
			QPL - 1N752A	
0037A			A8CR1	
			QPL - 1N752A	
0038	00001.000	0972932-0001	DIODE 1N914B	EA
			SEE TI- DRAWING	
0038A			A9CR5	
			SEE TI- DRAWING	
0039	00003.000	0539468-0002	DIODE,1N4002 1AMP 100PIV RECTIFIER	EA
			TI - 1N4002	
0039A			A8CR2 A8CR3 A8CR5	
			TI - 1N4002	
0040	00001.000	0972460-0006	DIODE E7918,SILICON,ZENER-1%	EA
			075222-E7918	
0040A			A9CR1	
			075222-E7918	
0041	00001.000	0972763-0013	CAP,FIXED .010UF 50 VOLTS	EA
			004222-MC105E103Z	
0041A			A10C11	
			UC -C53D1037	
0042	00021.000	0972763-0025	CAPACITOR,.10UF 50V FX,CERAMIC DIEL	EA
			COR CA-C03Z5U104Z050A	
0042A			A1C3 A2C3 A3C3 A4C3 A5C3	
			UC -C53D104Z	
0042B			A6C3 A7C3 A8C11 A8C12 A9C1	
			UC -C53D104Z	
0042C			A9C2 A9C5 A9C6 A10C1 A10C2	
			UC -C53D104Z	
0042D			A10C12 A10C13 A8C13 A8C14	
			UC -C53D104Z	
0042E			A8C15 A8C16	
			UC -C53D104Z	
0043	00002.000	0972924-0017	CAP FIX TANT SOLID 1.0 MFD 10 % 35 VOLT	EA
			SPR -150D105X9035A	
0043A			A9C4 A10C5	
			SPR -150D105X9035A	
0044	00008.000	0972924-0001	CAP FIX TANT SOLID 6.8 MFD 10 % 6 VOLT	EA
			QPL -M39003/1-2242	
0044A			A1C1 A2C1 A3C1 A4C1 A5C1	
			QPL -M39003/1-2242	
0044B			A6C1 A7C1 A9C7	
			QPL -M39003/1-2242	
0045	00003.000	0538428-0001	COIL RF 5.60 UH .32 OHM 495 MA LT10K128	EA
			QPL - MS14046-01	
0045A			A8L1 A8L2 A8L3	
			QPL - MS14046-01	
0046	00001.000	0972946-0073	RES FIX 2.2K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0046A			A8R12	
			ROH - R-25	
0047	00001.000	0418356-2350	CAP.FXD 0.47UF,50V,10% TANTALUM SOLI	EA
			QPL -M39003/1-2350	
0047A			A10C9	
			QPL -M39003/1-2350	

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PART NUMBER	REV	DESCRIPTION
0994322-5001	R	AUTO-INSERTED PARTS LIST FOR 994322-0001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0048	00001.000	0972946-0110	RES FIX 75 K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0048A			A10R40	
			ROH - R-25	
0049	00007.000	0972946-0081	RES FIX 4.7K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0049A			A1R6 A2R6 A3R6 A4R6 A5R6	
			ROH - R-25	
0049B			A6R6 A7R6	
			ROH - R-25	
0050	00001.000	0972757-0003	CAP,FIXED CERAMIC 150 PF 10% 50V	EA
			UC -C51C151K	
0050A			A9C8	
			UC -C51C151K	
0051	00003.000	0972758-0025	CAP,FIXED .01 UF 100 WVDC 10%	EA
			UC -C51A103K	
0051A			A10C6 A10C7 A10C8	
			UC -C51A103K	
0052	00001.000	0972946-0001	RESISTOR,FIXED 2.2 OHM 1/4 W 5%	EA
			SEE - TI DRAWING	
0052A			A8R16	
			SEE - TI DRAWING	
0053	00001.000	0972947-0059	RES FIX 560 OHM 5% .5 W CARBON FILM	EA
			ROH - R-50	
0053A			A9R40	
			ROH - R-50	
0054	00001.000	0972999-4016	X NETWORK 4016	EA
			-SEE TI DRAWING	
0054A			A9U3	
			-SEE TI DRAWING	
0055	00001.000	0222222-7407	NETWORK-SN7407N	EA
			TI- -SN7407N	
0055A			A9U2	
			TI- -SN7407N	
0056	00003.000	0222222-7406	NETWORK SN7406N	EA
0056A			A8U4,A8U5,A10U1	
0057	00001.000	0222222-7430	NETWORK SN7430N	EA
			-SN7430N	
0057A			A8U3	
			-SN7430N	
0058	00001.000	0222222-7410	NETWORK SN7410N	EA
			- 3-000	
0058A			A9U1	
			- 3-000	
0059	00003.000	0222222-7427	NETWORK SN7427N	EA
			TI- -SN7427N	
0059A			A8U6,A8U7,A8U8	
			TI- -SN7427N	

LIST OF MATERIALS

07/25/81

PART NUMBER	REV	DESCRIPTION
0994322-5001	R	AUTO-INSERTED PARTS LIST FOR 994322-0001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0060	00001.000	0222222-7438	NETWORK SN7438N	EA
0060A			A10U2	
0061	00009.000	0222225-2311	NETWORK LM311N,SN72311P	EA
			SEE - TI DRAWING	
0061A			A1U1,A2U1,A3U1,A4U1,A5U1,	
			SEE - TI DRAWING	
0061B			A6U1,A7U1,A9U5,A10U3	
			SEE - TI DRAWING	
0062	00001.000	0972188-0001	NETWORK,NE555V,MONOLITHIC TIMING,LINEAR	EA
			ST -NE555V	
0062A			A10U4	
			ST -NE555V	

07/15/81

PART NUMBER	REV	DESCRIPTION
0994322-8001	*	DRIVER,PRINTHEAD & MOTOR

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994322-0001	DRIVER,PRINTHEAD AND MOTOR	EA
			1225-1322-000	

NOTES: UNLESS OTHERWISE SPECIFIED

[1] DISCARD VENDOR SUPPLIED HARDWARE

[2] LOCATE TAPE (ITEM 50) VERTICALLY TO END OF PIECE BEING SERVICED. LENGTH OF TAPE TO BE 1.5 TO 2 LONG

[3] INSTALL ONLY ON MOTHER BOARD, 994329-0001, REV H AND ABOVE. ORIENT COVER SO STUD IS NEXT TO J1.

[5] TORQUE ITEM 10 TO 8.0 ± 1.0 IN/LB, 7 PLACES

[6] IF MOUNTING HOLE STRIPS OUT DURING ASSEMBLY, SUBSTITUTE ITEM 88 FOR ITEM 10 IN STRIPPED OUT HOLE ONLY.

[7] IF MOUNTING HOLE STRIPS OUT DURING ASSEMBLY, SUBSTITUTE ITEM 57 FOR ITEM 58 IN STRIPPED OUT HOLE ONLY.

[8] TORQUE MTG SCREWS TO 12.1 IN/LBS

[9] FOR 1151VAL SYSTEM OPERATION ONLY

ON SOME UNITS, FAN, 1151VAL (0972479-1) AND CABLE ASSY (994550-1) WERE SUBSTITUTED AS AN ALTERNATE PART FOR (MISC) FAN CABLE ASSY (994550-1) ITEM 8, WAS INSTALLED ON ALL MACHINES AND IS RATED IF ALTERNATE WAS USED. SEE LABEL (2360015-1) FOR REPAIR

[10] ITEM 65 REQUIRED WITH UNITS THAT HAVE CUTLER-HAMER SWITCHES (P/N 936686) — OTHER SWITCHES OPTIONAL.

[11] TORQUE TO 15 IN LBS ± 1 IN LB

[12] TORQUE TO 6.0 IN LBS

[13] TORQUE TO 24 ± 2 IN OZ

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
C	423269 (D) [illegible] 12-16-76 FINAL UPDATES FORMAL RELEASE	12-16-76	[illegible]
D	CN423235 [illegible] DELETED (1) ITEM 15 WAS PN 972388-32, QTY 5 (2) ITEM 16 WAS PN 411115-64 QTY 4; CHGD (3) ITEM 12 QTY WAS 4 (4) ITEM 13 QTY WAS 9 (5) ITEM 21 WAS PN 9996219-1 (6) ITEM 11 WAS PN 411027-806, QTY 11; ADDED (7) ITEMS 31 THRU 37 (8) NOTE 2 PREVIOUS LM WAS FILMED AS REV B	[illegible]	[illegible]
E	CN423989 [illegible] (1) QTY OF ITEM 10 WAS 5 (2) QTY OF ITEM 27 WAS 1 (3) ADDED ITEMS 15, 38, 40, & 41	[illegible]	[illegible]
F	CN423113 [illegible] (1) ADDED ITEMS 42, 43, & 44 (2) ITEM 13 QTY WAS 6 (3) ITEM 11 QTY WAS 7 (4) ITEM 3 PN WAS 996275-1 (5) DELE ITEM CALLOUTS 38, 11, & (13 & 2E (6) ITEM 5 TO ITEM 44 WAS TO ITEM 38	[illegible]	[illegible]
G	CN424196 [illegible] (1) ADDED ITEMS 45 THRU 50 (2) ADDED NOTE 3	[illegible]	[illegible]
H	CN426512 [illegible] (1) DELE ITEM 29 QTY 8, P/N 996206-2 (2) ADD ITEM 51 (3) ITEM 30 QTY WAS 1, ADD 30 A (4) DELE NOTE 1 (5) ESM DELE ITEM 28 CALLOUT (6) CHGD PICTORIAL E6 T, E, F, G PER ITEM 31 (7) REN ITEM 51 CALLOUT WAS ITEM 30 WITH ITEM 29 QTY 4	[illegible]	[illegible]
J	CN426050 [illegible] (1) ITEM 38 P/N WAS 972969-6 SCREW 6-32 X 1/2 LG, QTY 2	[illegible]	[illegible]
K	CN428016 [illegible] (1) DELE ITEM 21 QTY 4 PN 994435-1 (2) DELE ITEM 49 QTY 1 PN 994439-1 (3) ADD ITEM 52 & 53	[illegible]	[illegible]
L	CN429736 [illegible] (1) ZONE E6 ADDED ITEM 54 (2) ADDED 1" 54 TUBE (3) ADDED NOTE 4	1/4/79	[illegible]
M	CN433888 [illegible] (1) ITEM 37 P/N WAS 972966-4 QTY 4 CHANGE P/N TO ITEM 55 (2) ADD NOTE 5	4/9/79	[illegible]
N	CN439341(E) J. BAIZ/AURELY PER EXTENSIVE ENGR CHANGES	8/14/78	[illegible]
P	CN440364(D) [illegible] (1) LM ADDED ITEM 58, DELETED ITEMS 28-33, 36 P/N ITEM 25 WAS 972988-1 (2) REV SECT B-B AND F/D	8/11/78	[illegible]
R	CN439973 (D) J.B. PEPP (1) IN SEC. B-B ADDED ITEM 27 UNDER ITEM 25 (2) IN LM -0001, 0002 QTY OF ITEM 27 WAS 1 (3) IN 2ND SHEET DELETED ITEM 31 (4) IN LM-0001, 0002 DELETED ITEM 31	9-26-78	[illegible]
T	CN438815 (D) J.B. PEPP (1) IN LM-0001 & -0002 ITEM 36 PN WAS 411150-0078	12/19/78	[illegible]
U	CN439068(D) [illegible] (1) REVISED PICTORIAL OF ITEM 48 ADDED 38	6/27/78	[illegible]
V	CN439066(D) [illegible] (1) ADDED FLAG NOTE 9	6/27/78	[illegible]
W	CN439059(D) [illegible] (1) LM: QTY OF ITEM 9 WAS 1, ADDED 9A (2) ADDED ITEM 60	8/4/78	[illegible]
Y	CN439687(D) [illegible] (1) ADDED -0003 TO F/D AND LM'S	8/9/78	[illegible]
AA	CN435648(D) [illegible] (1) LM'S ITEM 30 WAS 994364-2, QTY ITEM 7 WAS 1, ADDED TA AND ITEM 59	9/12/78	[illegible]
AB	CN432688 (D) [illegible] (1) LM'S ITEM 19 QTY WAS 5, ITEM 27 QTY WAS 2 (2) ADDED ITEM 64 (3) REVISED SECTION B-B	12/78	[illegible]
AC	CN438410(D) [illegible] (1) IN LM-0001, 0002 ITEM 13 WAS 3, ITEM 43 WAS 1, ADDED ITEM 62, 63, 64, 65	5/4/79	[illegible]

(REV CONT SH 2)

PART NUMBER	DESCRIPTION
994323-0005	BASE/PWR SUPPLY, BIO 15C
994323-0004	BASE/POWER SUPPLY ASSY, BIO, CADO
994323-0003	BASE/POWER SPLY, ASSY, BIO, REXON
994323-0002	[illegible] SPCL
994323-0001	BASE/POWER SUPPLY ASSY, BIO

TEXAS INSTRUMENTS

BASE/POWER SUPPLY ASSY BIO

994214

REV STATUS: REV C | C | B | E

OF SHEETS: SH 1 | 2

NOTES: UNLESS OTHERWISE SPECIFIED

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
AD	[illegible] (1)-1,-2 & -3: ADDED IT [illegible] WAS [illegible] [illegible] SHEET 2	[illegible]	[illegible]
AE	CN457250(D) [illegible] [illegible] ITEM [illegible] P/N 94[illegible] (2) ADDED NOTE [illegible]	[illegible]	[illegible]
AF	CN45[illegible] (1) ON ALL DASH NO'S: ITEM 11 QTY WAS 5, ITEM [illegible] QTY WAS 10, ITEM 13 QTY WAS 9, ITEM 53 QTY WAS 4, [illegible] WAS 1, ITEM [illegible]	[illegible]	[illegible]
AG	CN457544(D) [illegible] (1) ADDED -0004 (2)-1,-2,-3: ADDED ITEM 67. QTY OF ITEMS 22, 23, 24 WAS .007	[illegible]	[illegible]
AH	CN465737(D) (1) DELETED -0002 LM (2) DELETED ITEMS 30 AND 61 [illegible] ADDED ITEMS 72 AND 73	[illegible]	[illegible]
AJ	CN47[illegible]297(D) [illegible] (1) LMS DELETED ITEM 58 (2) DELETED SECTION D-D	[illegible]	[illegible]
AK	CN472324(D) [illegible] (1) LM'S DELETED ITEMS [illegible], 63, 64, [illegible] (2) ITEM 65 QTY WAS [illegible] (3) ADDED ITEMS 68, 69, 70, 71 (4) REVISED SECTION B-B	[illegible]	[illegible]
AL	CN4[illegible]185(D) [illegible] (1) LM'S ITEM 59 WAS 994531-0001 (2) DELETED ITEMS 7, 9, 20	[illegible]	[illegible]
AM	CN465766 (D) [illegible] (1) REV Z GF-23. (2) ON ALL DASH NOS, DEL ITEMS 4, 18, AND 19. (3) ON ALL DASH NOS., CHNGD P/N OF IT 6 FROM 0994343-0001 TO 2360028-0001. (4) ON ALL DASH NOS, CHNGD QTY OF IT. 12 FROM 6 TO 2, IT 42 FROM 2 TO 0, IT 43 FROM 4 TO 3. (5) ADDED IT 79 ON ALL DASH NOS. (6) ADDED NOTE 12. (7) ON -0001, -0002, AND -0003 LMS: CHNGD P/N ON IT 32 FROM [illegible] TO 2360030-1.	[illegible]	[illegible]
AN	CN479198(D) [illegible] 1) UPDATED LM	[illegible]-82	[illegible]
AP	CN502454(D) DRUNYON (1) REV PER EXT ENG CHANGES	[illegible]	[illegible]
AR	CN477234 (D) [illegible] (1) ON -1,-3,-4 LM'S ITEM 40 P/N WAS 994265-0001, ITEM 41 P/N WAS 994266-0001	[illegible]-82	[illegible]
AT	CN468998 (D) M. DURHAM (1) ITEM 32 WAS 994426-0001	9-10-82	[illegible]
AU	CN497560(D) PRUNYON (1) REV PER EXT LM CHANGES	2-25-83	[illegible]
AV	CN495114(D) PRUNYON (1) ADDED ITEM 76 (2) ITEM 74 QTY WAS 6.00	2-23-83	[illegible]
AW	CN503519(D) PRUNYON (1) REV PER EXTENGR CHANGES	2-24-83	[illegible]
AY	CN506651 (C) [illegible] (1) ADDED NOTE 13	6/13/83	[illegible]
BA	CN506953 (D) [illegible] (1) REVISED LM	6/13/83	[illegible]
BB	CN506584(D) [illegible] (1) REVISED LM	6/19/83	[illegible]
BC	CN515087(C) R KARL (1) ON -1, -3, -4 AND -5 LM: ITEM 25 WAS 972988-21 ITEM 78 WAS 972988-22	9-8-83	[illegible]
BD	CN511666 (D) [illegible] (1) ON ALL LM'S, ITEM 76 WAS DELETED (2) ON ALL LM'S ITEM 74 QTY WAS 4	2/8-83	R Karl
BE	CN510092(D) JD [illegible] 6-11-84	6-11-84	[illegible]

994323 | 2

-1 QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES

PARTS LIST

NEXT ASSY	USED ON

APPLICATION

TEXAS INSTRUMENTS INCORPORATED

BASE / POWER SUPPLY ASSY

CAGE CODE	DRAWING NO	REV
E 96214	994323	BE

SCALE 1/1 SHEET 2

SEQ NO	IDENT	F SPEC	NO	ADDITIONAL	NOTES
	PROCESS			CLASSIFICATION	

PROCESSES — FOR CORRELATION TO GOVERNING SPECIFICATIONS SEE TI DRAWING 7[illegible]

List of Materials

05/12/84

PART NUMBER REV DESCRIPTION.....
0994323-0001 BE BASE/POWER SUPPLY ASSY, 810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	0994179-0001	BASE	EA
0002	00001.000	0994213-0001	PLATE,BOTTOM PAPER CHUTE 1680-0213-054	EA
0003	00001.000	0996275-0002	FAN,TUBEAXIAL 28 VOLT,AC 082877-WR66H1	EA
0005	00001.000	0994350-0001	CABLE ASSY,FAN 1225-1350-099	EA
0006	00001.000	2360028-0001	CARD GUIDE 1255-0069-021	EA
0008	00001.000	0994341-0001	PLATE,COVER MTG 1680-0341-050	EA
0010	00007.000	0972969-0005	SCREW #6-20 X 3/8 LG THD PL HEX WASHER	EA
0014	00006.000	0996225-0001	FASTENER,PUSHNUT,REMOVABLE .185/.190 DIA PAL - PZ001935	EA
0020	00000.000	0994461-0001	AC POWER MOD ASSY,W/EMI FILTER 1225-1461-111	EA
0020A			*ALTERNATE FOR ITEM 51 1225-1461-111	
0022	AR	0231792-0002	COLOR DOT,RED .250 DIA. 085480-0025 RED	SH
0023	AR	0231792-0005	COLOR DOT,GREEN .250 DIA. 085480-0025 GREEN	SH
0024	AR	0231792-0003	COLOR DOT,ORANGE.250 DIA. 085480-0025 ORANGE	SH
0025	00001.000	0972998-0022	SCREW 4-40 X 1.25 PAN HEAD CRES	EA
0027	00000.001	0416622-0011	WASHER #4 FLAT QPL - AN960C4L	EA
0032	00001.000	2360030-0001	GUARD,FAN 1255-0070-013	EA
0035	00000.000	0996325-0001	CAP 12,000 50V +75-10% SPR - 32DX123G050BC	EA
0035A			*ALTERNATE FOR ITEM 15 SPR - 32DX123G050BC	
0038	00002.000	0972969-0008	SCREW,6-20 X 3/4 HEX WASHER HEAD	EA
0040	00004.000	2360032-0001	ISOLATOR,NOISE 1255-0075-012	EA
0041	00004.000	2360035-0001	BUSHING	EA
0042	00000.000	0411101-0058	LOCKWASHER #6 EXTERNAL TOOTH CRES QPL - MS35335-58	EA
0043	00000.000	0972988-0028	SCREW 6-32 X .375 PAN HEAD CRES 1208- -000	EA
0043A			*USED WITH ITEM 35 1208- -000	
0044	00002.000	0994456-0001	RETAINER,FAN BRACKET 1680-1456-041	EA
0045	00000.000	0994458-0001	INSULATOR, BASE INTERIOR	EA
0045A			*ALTERNATE FOR ITEM 79	
0046	00000.000	0994478-0001	INSULATOR, BASE INTERIOR 1.90	EA
0046A			*ALTERNATE FOR ITEM 79	
0047	00000.000	0994478-0002	INSULATOR, BASE INTERIOR 7.70	EA
0047A			*ALTERNATE FOR ITEM 79	

List of Materials

05/12/84

PART NUMBER REV DESCRIPTION.....
0994323-0001 BE BASE/POWER SUPPLY ASSY, 810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0048	00000.000	0994478-0003	INSULATOR, BASE INTERIOR 10.00	EA
0048A			*ALTERNATE FOR ITEM 79	
0050	AR	0996612-0002	ADHESIVE, TRANSFER TAPE 1.00 WIDTH 052152-9568	RL
0051	00001.000	0994461-0002	AC POWER MOD ASSY,W/X-Y CAP 1225-1461-201	EA
0052	00004.000	0996086-0001	CLIP,NYLON,FLAT CABLE,MOUNTING WEK - FCA-15	EA
0054	00001.000	0994208-0001	COVER FUSE 1255-0008-022	EA
0056	00000.000	0972969-0011	SCREW,8-18 X 3/8 THD CTG PLAIN HEX	EA
0056A			*REWORK FOR ITEM 10	
0057	00000.000	0972969-0014	SCREW 8-18 X 3/4 THRD CTG HEX WASHER HD	EA
0057A			*REWORK FOR ITEM 38	
0058	00008.000	2210084-0014	SEMS,PNH, SLTD, EXT TOOTH 32UNC-2A,.375L	EA
0059	00001.000	0994531-0002	MOTHERBOARD,810 PRINTER 1225-2531-198	EA
0060	00001.000	0994534-0001	PWD ASSY, POWER SUPPLY, 810 1225-1534-999	EA
0062	00000.000	0996347-0001	RETAINER,CAPACITOR MOUNTING SPR - 4586-48	EA
0062A			*USED WITH ITEM 35 SPR - 4586-48	
0065	00000.000	0972988-0032	SCREW 6-32 X .750 PAN HEAD CRES	EA
0065A			*USED WITH ITEM 35	
0066	00000.000	2360011-0001	GUARD,SWITCH 1680-0011-000	EA
0066A			*REQUIRED ONLY ON UNITS 1630-0011-000	
0066B			*THAT USE CUTLER-HAMMER 1680-0011-000	
0066C			*SWITCH(PN 996656)USE WITH 1680-0011-000	
0066D			*OTHER SWITCHES OPTIONAL 1680-0011-000	
0067	00004.000	0994267-0001	WASHER,ISOLATOR	EA
0068	00000.000	2211689-0023	10-32X.375,PAN HD, SPRING LOCKWASHER SEE TI- DRAWING	EA
0068A			*USED WITH ITEM 35 SEE TI- DRAWING	
0069	00000.000	2210006-0002	ASSY, HEX NUT, LOCKWASHERS 092550-SEE DRAWING	EA
0069A			*USED WITH ITEM 35 092550-SEE DRAWING	
0070	00002.000	2210006-0001	ASSY,HEX NUT,LOCKWASHERS, 4-40 092550-SEE DRAWING	EA
0071	00001.000	2211692-0014	SEMS,6-32X.750,PAN HEAD,CONE WASHER SEE TI- DRAWING	EA
0072	00001.000	2360075-0001	STRAP,GND,EIA CONN & PAPER BASKET 1680-0075-053	EA
0073	00001.000	0994438-0002	BRACKET,RIGHT-STATIC-GRD 1680-2438-077	EA

LIST OF MATERIALS

05/12/84

PART NUMBER	REV	DESCRIPTION
0994323-0001	BE	BASE/POWER SUPPLY ASSY, 810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0074	00006.000	0972988-0033	SCREW 6-32 X .875 PAN HEAD CRES	EA
0075	00001.000	2360083-0001	CAPACITOR,AL,ELECTRLYTIC,12000UF,50WVDC 5910-0823-000	EA
0077	00001.000	2360074-0001	STRAP,GND,MECH TO P/S-810 1680-0074-027	EA
0078	00000.000	0972988-0021	SCREW 4-40 X 1.00 PAN HEAD CRES	EA
0078A			*ALTERNATE FOR ITEM 25	
0079	00001.000	2232605-0001	INSULATOR, BASE SEE TI- DRAWING	EA
9999	00000.000	0239999-9999	COST, SHRINKAGE	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
0994323-0003	BE	BASE/POWER SUPPLY, ASSY, 810, REXON

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994179-0003	BASE,REXON,SPECIAL PAINT 1680-3179-000	EA
0002	00001.000	0994213-0001	PLATE,BOTTOM PAPER CHUTE 1680-0213-054	EA
0003	00001.000	0996275-0002	FAN,TUBEAXIAL 28 VOLT,AC 082877-WR66H1	EA
0005	00001.000	0994350-0001	CABLE ASSY,FAN 1225-1350-099	EA
0006	00001.000	2360028-0001	CARD GUIDE 1255-0069-021	EA
0008	00001.000	0994341-0001	PLATE,COVER MTG 1680-0341-050	EA
0010	00007.000	0972969-0005	SCREW #6-20 X 3/8 LG THD PL HEX WASHER	EA
0014	00006.000	0996225-0001	FASTENER,PUSHNUT,REMOVABLE .185/.190 DIA PAL - PZ001935	EA
0020	00000.000	0994461-0001	AC POWER MOD ASSY,W/EMI FILTER 1225-1461-111	EA
0020A			*ALTERNATE FOR ITEM 51 1225-1461-111	
0022	AR	0231792-0002	COLOR DOT,RED .250 DIA. C85480-QD25 RED	SH
0023	AR	0231792-0005	COLOR DOT,GREEN .250 DIA. 085480-QD25 GREEN	SH
0024	AR	0231792-0003	COLOR DOT,ORANGE.250 DIA. 085480-QD25 ORANGE	SH
0025	00001.000	0972989-0022	SCREW 4-40 X 1.25 PAN HEAD CRES	EA
0027	00000.001	0416622-0011	WASHER #4 FLAT QPL - AN960C4L	EA
0032	00001.000	2360030-0001	GUARD,FAN 1255-0070-013	EA
0035	00000.000	0996325-0001	CAP 12,000 50V +75-10% SPR - 32DX123G050BC	EA
0035A			*ALTERNATE FOR ITEM 75 SPR - 32DX123G050BC	

LIST OF MATERIALS

05/12/94

PART NUMBER REV DESCRIPTION.....
0994323-0003 BE BASE/POWER SUPPLY, ASSY, 810, REXCN

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0038	00002.000	0972969-0008	SCREW,6-20 X 3/4 HEX WASHER HEAD	EA
0040	00004.000	2360032-0001	ISOLATOR,NOISE 1255-0075-012	EA
0041	00004.000	2360035-0001	BUSHING	EA
0042	00000.000	0411101-0058	LOCKWASHER #6 EXTERNAL TOOTH CRES CPL - MS35335-58	EA
0043	00000.000	0972988-0028	SCREW 6-32 X .375 PAN HEAD CRES 1208- -000	EA
0043A			*USED WITH ITEM 35 1208- -000	
0044	00002.000	0994456-0001	RETAINER,FAN BRACKET 1680-1456-041	EA
0045	00000.000	0994458-0001	INSULATOR, BASE INTERIOR	EA
0045A			*ALTERNATE FOR ITEM 79	
0046	00000.000	0994478-0001	INSULATOR, BASE INTERIOR 1.90	EA
0046A			*ALTERNATE FOR ITEM 79	
0047	00000.000	0994478-0002	INSULATOR, BASE INTERIOR 7.70	EA
0047A			*ALTERNATE FOR ITEM 79	
0048	00000.000	0994478-0003	INSULATOR, BASE INTERIOR 10.00	EA
0048A			*ALTERNATE FOR ITEM 79	
0050	AR	0996612-0002	ADHESIVE, TRANSFER TAPE 1.00 WIDTH 052152-9568	RL
0051	00001.000	0994461-0002	AC POWER MOD ASSY,W/X-Y CAP 1225-1461-201	EA
0052	00004.000	0996086-0001	CLIP,NYLON,FLAT CABLE,MOUNTING WEK - FCA-15	EA
0054	00001.000	0994208-0001	COVER FUSE 1255-0008-022	EA
0056	00000.000	0972969-0011	SCREW,8-18 X 3/8 THD CTG PLAIN HEX	EA
0056A			*REWORK FOR ITEM 10	
0057	00000.000	0972969-0014	SCREW 8-18 X 3/4 THRD CTG HEX WASHER HD	EA
0057A			*REWORK FOR ITEM 38	
0058	00008.000	2210084-0014	SEMS,PNH, SLTD, EXT TOOTH 32UNC-2A,.375L	EA
0059	00001.000	0994531-0002	MOTHERBOARD,810 PRINTER 1225-2531-198	EA
0060	00001.000	0994534-0001	PWB ASSY, POWER SUPPLY, 810 1225-1534-999	EA
0062	00000.000	0996347-0001	RETAINER,CAPACITOR MOUNTING SPR - 4586-48	EA
0062A			*USED WITH ITEM 35 SPR - 4586-48	
0065	00000.000	0972988-0032	SCREW 6-32 X .750 PAN HEAD CRES	EA
0065A			*USED WITH ITEM 35	
0066	00000.000	2360011-0001	GUARD,SWITCH 1680-0011-000	EA

LIST OF MATERIALS

05/12/84

PART NUMBER REV DESCRIPTION.....
0994323-0003 BE BASE/POWER SUPPLY, ASSY, 810, REXCN

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0066A			*REQUIRED ONLY ON UNITS 1680-0011-000	
0066B			*THAT USE CUTLER-HAMMER 1680-0011-000	
0066C			*SWITCH (PN 996656)USE WITH 1680-0011-000	
0066D			*OTHER SWITCHES OPTIONAL 1680-0011-000	
0067	00004.000	0994267-0001	WASHER,ISOLATOR	EA
0068	00000.000	2211689-0023	10-32X.375,PAN HD, SPRING LOCKWASHER SEE TI- DRAWING	EA
0068A			*USED WITH ITEM 35 SEE TI- DRAWING	
0069	00000.000	2210006-0002	ASSY, HEX NUT, LOCKWASHERS 092550-SEE DRAWING	EA
0069A			*USED WITH ITEM 35 092550-SEE DRAWING	
0070	00002.000	2210006-0001	ASSY,HEX NUT,LOCKWASHERS, 4-40 092550-SEE DRAWING	EA
0071	00001.000	2211692-0014	SEMS,6-32X.750,PAN HEAD,CONE WASHER SEE TI- DRAWING	EA
0072	00001.000	2360375-0001	STRAP,GND,EIA CONN & PAPER BASKET 1680-0075-053	EA
0073	00001.000	0994438-0002	BRACKET,RIGHT-STATIC-GRD 1680-2438-077	EA
0074	00006.000	0972988-0033	SCREW 6-32 X .875 PAN HEAD CRES	EA
0075	00001.000	2360083-0001	CAPACITOR,AL,ELECTRLYTIC,12000UF,50WVDC 5910-0823-000	EA
0077	00001.000	2360074-0001	STRAP,GND,MECH TO P/S-810 1680-0074-027	EA
0078	00000.000	0972988-0021	SCREW 4-40 X 1.00 PAN HEAD CRES	EA
0078A			*ALTERNATE FOR ITEM 25	
0079	00001.000	2232605-0001	INSULATOR, BASE SEE TI- DRAWING	EA
9999	00000.000	0239999-9999	COST, SHRINKAGE	EA

05/12/84

PART NUMBER REV DESCRIPTION.....
0994323-0004 BE BASE/POWER SUPPLY ASSY, 810, CADD

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	0994179-0004	BASE,CADC,SPECIAL PAINT 1680-4179-000	EA
0002	00001.000	0994213-0001	PLATE,BOTTOM PAPER CHUTE 1680-0213-054	EA
0003	00001.000	0996275-0002	FAN,TUBEAXIAL 28 VOLT,AC 082877-WR66H1	EA
0005	00001.000	0994350-0001	CABLE ASSY,FAN 1225-1350-099	EA
0006	00001.000	2360028-0001	CARD GUIDE 1255-0069-021	EA
0008	00001.000	0994341-0001	PLATE,COVER MTG 1680-0341-050	EA
0010	00007.000	0972969-0005	SCREW #6-20 X 3/8 LG THD PL HEX WASHER	EA
0014	00006.000	0996225-0001	FASTENER,PUSHNUT,REMOVABLE .135/.190 DIA PAL - PZ001935	EA

LIST OF MATERIALS

05/12/84

PART NUMBER REV DESCRIPTION.....
0994323-0004 0E BASE/POWER SUPPLY ASSY, 810, CADD

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0020	00000.000	0994461-0001	AC POWER MOD ASSY,W/EMI FILTER 1225-1461-111	EA
0020A			*ALTERNATE FOR ITEM 51 1225-1461-111	
0022	AR	0231792-0002	COLOR DOT,RED .250 DIA. 085480-0025 RED	SH
0023	AR	0231792-0005	COLOR DOT,GREEN .250 DIA. 085480-0025 GREEN	SH
0024	AR	0231792-0003	COLOR DOT,ORANGE.250 DIA. 085480-0025 CRANGE	SH
0025	00001.000	0972988-0022	SCREW 4-40 X 1.25 PAN HEAD CRES	EA
0027	00000.001	0410622-0011	WASHER #4 FLAT CPL - AN960C4L	EA
0032	00001.000	2360030-0001	GUARD,FAN 1255-0070-013	EA
0035	00000.000	0996325-0001	CAP 12,000 50V +75-10% SPR - 32DX123G050BC	EA
0035A			*ALTERNATE FOR ITEM 75 SPR - 32DX123G050BC	

05/12/84

PART NUMBER REV DESCRIPTION.....
0994323-0004 0E BASE/POWER SUPPLY ASSY, 810, CADD

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0038	00002.000	0972969-0008	SCREW,6-20 X 3/4 HEX WASHER HEAD	EA
0040	00004.000	2360032-0001	ISOLATOR,NOISE 1255-0075-012	EA
0041	00004.000	2360035-0001	BUSHING	EA
0042	00000.000	0411101-0058	LOCKWASHER #6 EXTERNAL TOOTH CRES CPL - MS35335-58	EA
0043	00000.000	0972988-0028	SCREW 6-32 X .375 PAN HEAD CRES 1208- -000	EA
0043A			*USED WITH ITEM 35 1208- -000	
0044	00002.000	0994456-0001	RETAINER,FAN BRACKET 1680-1456-041	EA
0045	00000.000	0994458-0001	INSULATOR, BASE INTERIOR	EA
0045A			*ALTERNATE FOR ITEM 79	
0046	00000.000	0994478-0001	INSULATOR, BASE INTERIOR 1.90	EA
0046A			*ALTERNATE FOR ITEM 79	
0047	00000.000	0994478-0002	INSULATOR, BASE INTERIOR 7.70	EA
0047A			*ALTERNATE FOR ITEM 79	
0048	00000.000	0994478-0003	INSULATOR, BASE INTERIOR 10.00	EA
0048A			*ALTERNATE FOR ITEM 79	
0050	AR	0996612-0002	ADHESIVE, TRANSFER TAPE 1.00 WIDTH 052152-9568	RL
0051	00001.000	0994461-0002	AC POWER MOD ASSY,W/X-Y CAP 1225-1461-201	EA
0052	00004.000	0996086-0001	CLIP,NYLON,FLAT CABLE,MOUNTING WEK - FCA-15	EA

LIST OF MATERIALS

05/12/84

PART NUMBER 0994323-0004 REV 0E DESCRIPTION..... BASE/POWER SUPPLY ASSY, 810, CADD

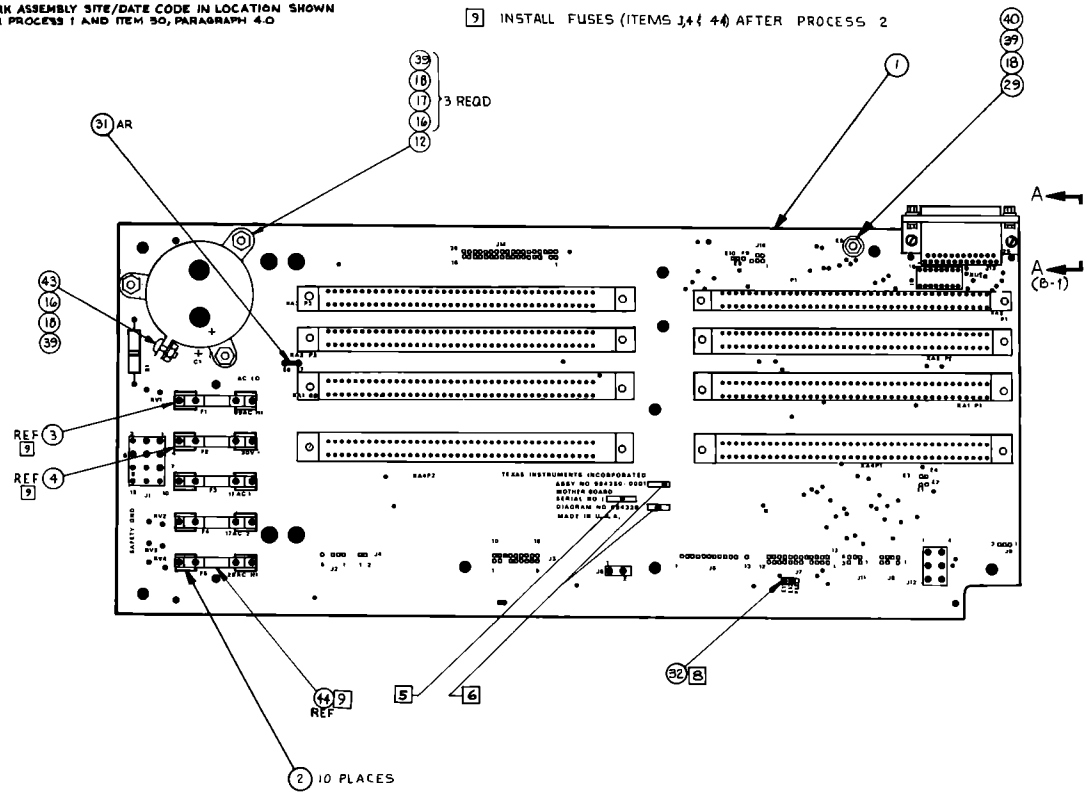
ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0054	00001.000	0994208-0001	COVER FUSE 1255-0008-022	EA
0056	00000.000	0972969-0011	SCREW,8-18 X 3/8 THD CTG PLAIN HEX	EA
0056A			*REWORK FOR ITEM 10	
0057	00000.000	0972969-0014	SCREW 8-18 X 3/4 THRD CTG HEX WASHER HD	EA
0057A			*REWORK FOR ITEM 38	
0058	00008.000	2210084-0014	SEMS,PHH, SLTD, EXT TOOTH 32UNC-2A,.375L	EA
0059	00001.000	0994531-0002	MOTHERBOARD,810 PRINTER 1225-2531-198	EA
0060	00001.000	0994534-0001	PWR ASSY, POWER SUPPLY, 810 1225-1534-999	EA
0062	00000.000	0996347-0001	RETAINER,CAPACITOR MOUNTING SPR - 4586-48	EA
0062A			*USED WITH ITEM 35 SPR - 4586-48	
0065	00000.000	0972988-0032	SCREW 6-32 X .750 PAN HEAD CRES	EA
0065A			*USED WITH ITEM 35	
0066	00000.000	2360011-0001	GUARD,SWITCH 1680-0011-000	EA
0066A			*REQUIRED ONLY ON UNITS 1680-0011-000	
0066B			*THAT USE CUTLER-HAMMER 1680-0011-000	
0066C			*SWITCH(PN 996656)USE WITH 1680-0011-000	
0066D			*OTHER SWITCHES OPTIONAL 1680-0011-000	
0067	00004.000	0994267-0001	WASHER,ISOLATOR	EA
0068	00000.000	2211689-0023	10-32X.375,PAN HD, SPRING LOCKWASHER SEE TI- DRAWING	EA
0068A			*USED WITH ITEM 35 SEE TI- DRAWING	
0069	00000.000	2210006-0002	ASSY, HEX NUT, LOCKWASHERS 092550-SEE DRAWING	EA
0069A			*USED WITH ITEM 35 092550-SEE DRAWING	
0070	00002.000	2210006-0001	ASSY,HEX NUT,LOCKWASHERS, 4-40 092550-SEE DRAWING	EA
0071	00001.000	2211692-0014	SEMS,6-32X.750,PAN HEAD,CONE WASHER SEE TI- DRAWING	EA
0072	00001.000	2360075-0001	STRAP,GND,EIA CONN & PAPER BASKET 1680-0075-053	EA
0073	00001.000	0994438-0002	BRACKET,RIGHT-STATIC-GRD 1680-2438-077	EA
0074	00006.000	0972988-0033	SCREW 6-32 X .875 PAN HEAD CRES	EA
0075	00001.000	2360083-0001	CAPACITOR,AL,ELECTRLYTIC,12000LF,50WVDC 5910-0823-000	EA
0077	00001.000	2360074-0001	STRAP,GND,MECH TO P/S-810 1680-0074-027	EA
0078	00000.000	0972988-0021	SCREW 4-40 X 1.00 PAN HEAD CRES	EA
0078A			*ALTERNATE FOR ITEM 25	
0079	00001.000	2232605-0001	INSULATOR, BASE SEE TI- DRAWING	EA

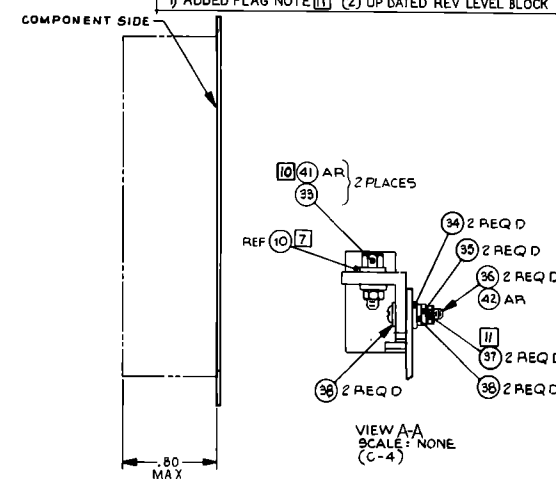
994330

NOTES: UNLESS OTHERWISE SPECIFIED
1. MAX. LEAD LENGTH TO BE 0.1 FROM CONDUCTOR SIDE OF BOARD
2. DO NOT SOLDER ON COMPONENT SIDE
~~[ ] INSTALL CONNECTOR ITEM 27 AFTER PROCESS 2~~
~~3. MASK ALL CONN FINGERS ON BOTH SIDES OF BOARD WHEN SOLDERING TO PREVENT SOLDER FROM WICKING DOWN CONN FINGERS~~
[5] MARK ASSEMBLY SITE/DATE CODE IN LOCATION SHOWN PER PROCESS 1 AND ITEM 30, PARAGRAPH 4.0
[6] MARK APPROPRIATE REVISION LETTER IN LOCATION SHOWN PER PROCESS 1 AND REVISION LEVEL BLOCK
[7] ITEM 10 TO BE INSTALLED LAST
[8] JUMPER E12 TO E11 FOR STANDARD CONFIGURATION. E13 IS PROVIDED FOR FUTURE OPTION.
[9] INSTALL FUSES (ITEMS 43 & 44) AFTER PROCESS 2
[10] APPLY SPARINGLY - COAT 2-3 THREADS ONLY PRIOR TO INSTALLING NUT. SHAKE CONTAINER BEFORE USING.
[11] TORQUE TO 2.0±0.5 IN-LBS

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
K	CN436903 C. Valenzuela	9-11-78	
	1) DELETED; ITEMS 26 QTY 2, P/N 996480-1 ITEMS 27 QTY 1, P/N 996480-2 ITEMS 28 QTY 1, P/N 996480-3		
L	CN 439153 for plus Rics	10/24/78	D Stevens
	1) ITEM 3 P/N WAS 416434-0103 DES WAS FUSE 1.0 A 250 V 3AG		
M	CN438971	1/4/79	
	1) ADDED ITEM 46 2) ITEM 3 QTY WAS 3 & DELETED F3, F4		
N	CN438817 C Dean	3-5-79	D Stevens
	LM ITEM 38 WAS PN 416622-20		
P	CN439167	4/16/79	
	ON SHEET 1: IN ZONES B&C 4 THRU 7 DELETED CONNECTOR PIN NUMBERS SHOWN ON XA1, XA2, XA3, AND XA4		
R	CN438833 C. Dean	5-14-79	D Stevens
	1) ZONE C2 AND D4 ADDED NOTE 10 (2) ITEM 41 WAS PN 415804-5		
T	CN438853 REKHA SETH	8-14-79	D. Stevens
	1) ADDED FLAG NOTE [11] (2) UP DATED REV LEVEL BLOCK		





PARTS LIST

QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES
		994293	8733		
		994292	8733		
NEXT ASSY		USED ON			
APPLICATION					

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES ARE: FRACT ±1/64, 1 PLACE DECIMAL ±.1, 2 PLACE DECIMAL ±.02
- INTERPRET DRAWING PER MIL-D-1000
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 TIR
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

.031 THRU .068	.004 .001	.125 THRU .250	.005 .001	.251 THRU .500	.006 .001
.069 THRU .124	.004 .001	.251 THRU .375	.005 .001	.501 THRU 1.000	.007 .001

SEQ NO	IDENT	F-SPEC	NO	ADDITIONAL
3	SLDR	127-01	00	
2	SLDR	124-02	00	
1	MARK	100-02	21	HEIGHT: .06; COLOR: BLACK
PROCESS		CLASSIFICATION		NOTES

PROCESSES — FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 729487

REVISION LEVEL

DIAGRAM	A	A	A	A	A	A	B	C	D	D	D	D	D	D										
ASSEMBLY	%	A	B	C	G	H	J	K	L	M	N	P	R	T										

TEXAS INSTRUMENTS INCORPORATED
Dallas, Texas

MOTHERBOARD
810 PRINTER

SIZE D | FSCM NO 96214 | DRAWING NO 994330 | SCALE 1/1 | SHEET

LM

LIST OF MATERIALS

07/15/81

PART NUMBER REV DESCRIPTION.....
0994329 0001 T MOTHER BOARD 810 PRINTER

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	0994329-0001	PWB,MC-1 MOTHER BOARD	EA
0002	00010.000	0772635-0001	CLIP,FUSE	EA
			LIT -102068	
0003	00001.000	0410822-0019	FUSE 1.0 A 250V SLOW BLOW UL-APPVD	EA
			BUS - MDL	
0003A			F1	
			BUS - MDL	
0004	00001.000	0411787-0012	FUSE 3.0 A 125V 3AG SLOW BLOW	EA
			BUS - MDX	
0004A			F2	
			BUS - MDX	
0006	00008.000	0972676-0001	CONNECTOR-CARD EDGE,80 PIN,SOLDER POST	EA
0006A			XA1P1, XA1P2, XA2P1,	
0006B			XA2P2, XA3P1, XA3P2,	
0006C			XA4P1, XA4P2	
0007	00001.000	0996166-0007	HEADER,SOCKET,12 CIRCUITS 1.050	EA
0007A			J1	
0008	00001.000	0996166-0005	HEADER,SOCKET,SHORT SOLDER T 6 CIRCUITS	EA
			AMP - 350827-1	
0008A			J12	
			AMP - 350827-1	
0009	00001.000	0996166-0001	HEADER,SOCKET,SHORT SOLDER T 2 CIRCUITS	EA
			AMP - 350824-1	
0009A			J5	
			AMP - 350824-1	
0010	00001.000	0972854-0001	CONNECTOR,P.C. BOARD 25 POSITION	EA
			AMP - 206584-2	
0010A			J13	
			AMP - 206584-2	
0011	00123.000	0972456-0002	PIN,.025 SQUARE	EA
			5935-0800-000	
0011A			LOCATION E1 THRU E4,	
			5935-0800-000	
0011B			E8 THRU E13, J2, J3, J4,	
			5935-0800-000	
0011C			J6, J7, J8, J9, J11, J14,	
			5935-0800-000	
0011D			J15	
			5935-0800-000	
0012	00001.000	0996347-0001	RETAINER,CAPACITOR MOUNTING	EA
			SPR - 4586-48	
0015	00001.000	0972942-0042	RES FIXED 1 K OHMS +5% 5 WATT	EA
			DAL - CW OR RS	
0015A			R1	
			DAL - CW OR RS	
0016	00004.000	0411104-0136	WASHER, LOCK-SPRING, HELICAL, #6	EA
			QPL - MS35338-136	
0017	00003.000	0972988-0028	SCREW 6-32 X .375 PAN HEAD CRES	EA
0018	00004.000	0411115-0064	NUT,PLAIN 6-32 UNC-2B HEX CRES	EA
			QPL - MS35649-264	
0019	00001.000	0539544-0002	SOCKET,16PIN IC LOW PROFILE SOLDER TAIL	EA
			TI -C93-16-02	
0019A			XU1	
			TI -C93-16-02	
0024	REF	0983412-9901	REVISION LEVEL STATUS,MC810/ATS	EA

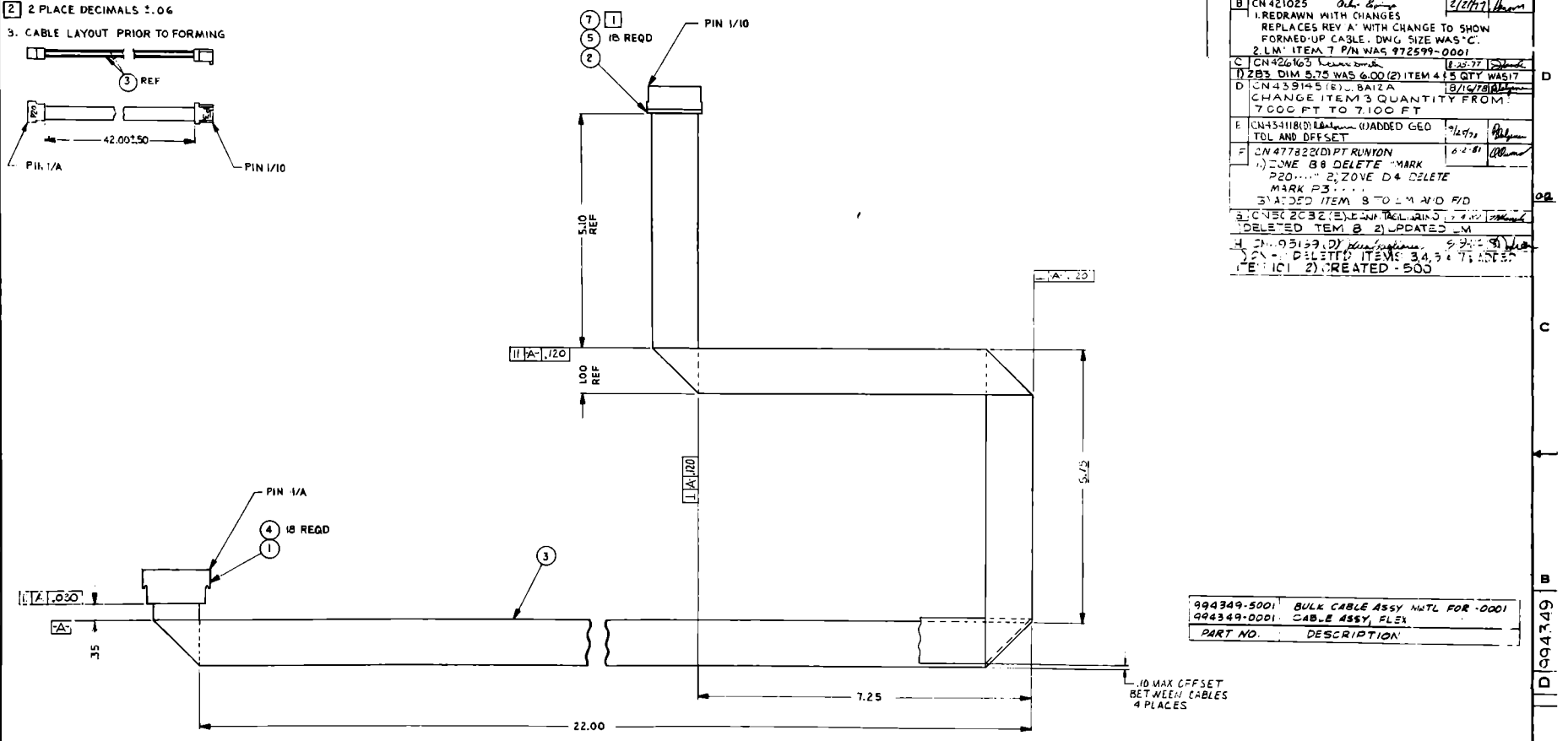
LIST OF MATERIALS

07/15/81

PART NUMBER REV DESCRIPTION.....
0994330-0001 T MOTHER BOARD 810 PRINTER

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0025	REF	0994328-9901	SCHEMATIC,DIAG ELECT,MOTHERBD-810 PRT	EA
0029	00001.000	0972988-0030	SCREW 6-32 X .500 PAN HEAD CRES	EA
0030	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0031	00000.100	0411400-0022	WIRE 22AWG ELETRO-TIN-PLATED,COPPER	FT
			1233-6276-000	
0031A			E6 TO E7	
			1233-6276-000	
0032	00001.000	0972487-0001	JUMPER PLUG,CONNECTOR BLACK	EA
			5935-0900-000	
0032A			JUMPER E11 TO E12	
			5935-0900-000	
0033	00002.000	0808129-0001	CONNECTOR,ELECT SCREW-LOCK ASSY FEMALE	EA
			081349-M24308/26-1	
0034	00002.000	0418730-0101	WASHER,NYLON	EA
0035	00002.000	0411104-0134	WASHER, LOCK-SPRING, HELICAL, #2	EA
			QPL - MS35338-134	
0036	00002.000	0972988-0005	SCREW 2-56 X .375 PAN HEAD CRES	EA
0037	00002.000	0411115-0024	NUT,PLAIN 2-56 UNC-2B HEX CRES	EA
			QPL - MS35649-224	
0038	00004.000	0416622-0022	WASHER,FLAT #3 .032 THICK	EA
			QPL -AN960C3	
0039	00005.000	0411027-0806	WASHER,#6 FLAT,CRES,.156 X .375 X .049	EA
			QPL - MS15795-806	
0040	00001.000	0411101-0058	LOCKWASHER #6 EXTERNAL TOOTH CRES	EA
			QPL - MS35335-58	
0041	AR	0802749-0242	ADHESIVE,THREAD SEALING AND LOCKING	EA
			LOC - TL-242	
0042	AR	0231023-0009	CEMENT GLYPTAL BLUE-GRAY	EA
			SEE TI- DRAWING	
0043	00001.000	0972988-0032	SCREW 6-32 X .750 PAN HEAD CRES	EA
0044	00001.000	0416434-0153	FUSE 1.5 A 250V 3AG	EA
			LIT - 31201.5	
0044A			F5	
			LIT - 31201.5	
0045	00000.000	0996506-0001	CONNECTOR,CARD EDGE, 80 PIN	EA
			005041-S011GR40-DRHEH	
0045A			USED AS ALTERNATE ITEM	
			005041-S011GR40-DRHEH	
0045B			FOR ITEM 6	
			005041-S011GR40-DRHEH	
0046	00002.000	0416434-0103	FUSE 1.0 A 250V 3AG	EA
			LIT - 312001	
0046A			F3 F4	
			LIT - 312001	
9999	00001.000	0239999-9999	COST, SHRINKAGE	EA

NOTES: UNLESS OTHERWISE SPECIFIED
1. INSTALL ITEM 7 IN POSITION P3-3
2. 2 PLACE DECIMALS ±.06
3. CABLE LAYOUT PRIOR TO FORMING



REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	B	CN 421025 Colo. Springs 1. REDRAWN WITH CHANGES REPLACES REV A WITH CHANGE TO SHOW FORMED-UP CABLE. DWG SIZE WAS "C". 2. LM ITEM 7 P/N WAS 972599-0001	2/21/77	
	C	CN 426763	8-25-77	
	D	2B3 DIM 5.75 WAS 6.00 (2) ITEM 4 & 5 QTY WAS 17		
	D	CN 439145 (B) L. BAIZA CHANGE ITEM 3 QUANTITY FROM: 7.000 FT TO 7.100 FT	8/16/78	
	E	CN 434118 (D) ADDED GEO TOL AND OFFSET	9/29/78	
	F	CN 477822 (D) PT RUNYON 1.) ZONE B8 DELETE "MARK P20....." 2.) ZONE D4 DELETE MARK P3..... 3.) ADDED ITEM 8 TO LM AND P/D	6-2-81	
	G	CN 501262 (E) L. BAIZA DELETED ITEM 8 2) UPDATED LM	4-1-82	
	H	CN 503139 (D) [illegible] 1) DELETED ITEMS 3,4,5 & 7 ADDED ITEM 1 2) CREATED - 500	9-9-82	

PART NO.	DESCRIPTION
994349-5001	BULK CABLE ASSY MATL FOR -0001
994349-0001	CABLE ASSY, FLEX

QTY REQD	ITEM NO	CODE IDENT	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION
2 1			PARTS LIST		

UNLESS OTHERWISE SPECIFIED
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY: MACHINED DIAMETERS .010 FIR
- DIMENSIONAL LIMITS APPLY BEFORE FINISH PROCESSING
- IDENTIFYING NUMBERS SHOWN IN PARENTHESES FOR REFERENCE ONLY
- INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100

HOLE TOLERANCE

.013 THRU .001 / .001	.126 THRU .005 / .001	.251 THRU .005 / .001
.501 THRU .005 / .001	.781 THRU .010 / .001	1.901 THRU .013 / .001
.755 THRU .001	1.000 THRU .001	2.000 THRU .001

994291 NEXT ASSY | 8733 USED ON | APPLICATION

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES
  ANGLES ±1°
  3 PLACE DECIMALS = .010
  2 PLACE DECIMALS = .02

	DATE
DWN	2-9-77
CHK	2/21/77
ENGR	2-22-77
QA	2-25-77
APVD	2-25-77
CONFIG MGT RELEASE	2/25/77

TEXAS INSTRUMENTS INCORPORATED
Equipment Group Dallas Texas

CABLE ASSY, FLEX

SIZE	CODE IDENT NO	DRAWING NO
D	96214	994349

SCALE 1/1 SHEET

ITEM NO	MARK	100-02	21	COLOR: WHITE TYPE 9
MO	IDENT	F-SPEC	MO	ADDITIONAL
MO	PROCESS			CLASSIFICATION

FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 7-29447

34

LM

994349

9-147

LIST OF MATERIALS

05/12/84

PART NUMBER	REV	DESCRIPTION
0994349-0001	H	CABLE ASSY, FLEX

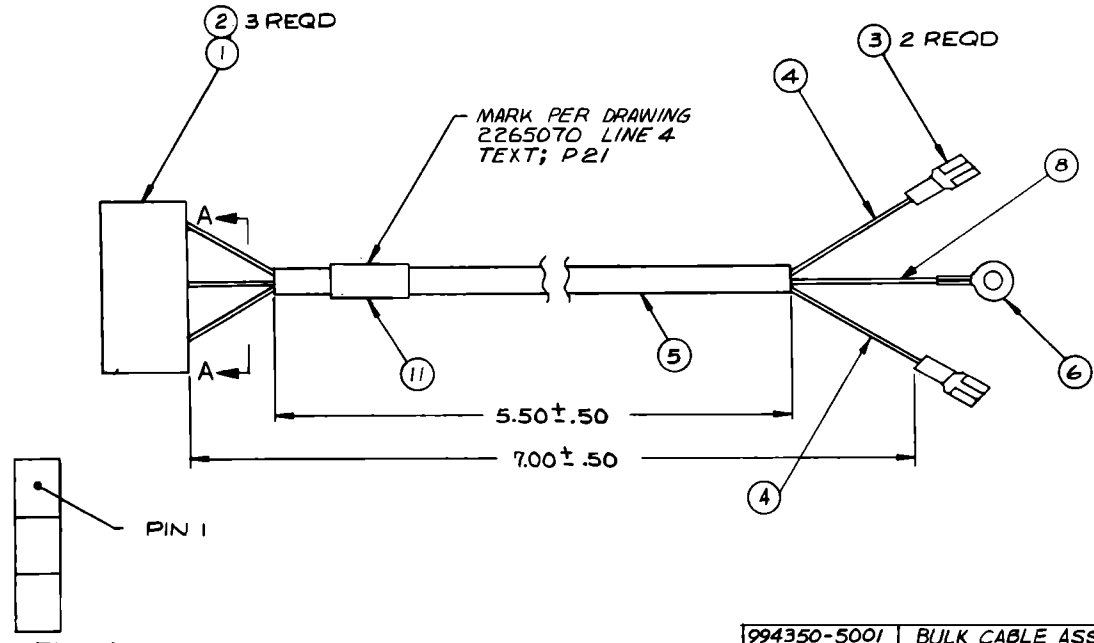
ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0996237-0001	CONNECTOR,HOUSING,PWB AMP - 86792-3	EA
0001A			P20 AMP - 86792-3	
0002	00001.000	0996238-0001	CONNECTOR,HOUSING,18 POSITION AMP - 1-86784-1	EA
0002A			P3 AMP - 1-86784-1	
0006	REF	0994365-9901	WIRE LIST, FLEX CABLE	EA
0101	00001.000	0994349-5001	BULK CABLE ASSY MATERIAL FOR -0001 1225-0349-116	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
0994349-5001	H	BULK CABLE ASSY MATERIAL FOR -0001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0003	00007.100	0996249-0001	CABLE, ELECTRICAL 9 CONDUCTOR, FLAT GCA -8G3B160/9	FT
0004	00018.000	0996239-0001	CONTACT,CONNECTOR,ECCE AMP - 86742-4	EA
0005	00018.000	0996236-0001	CONTACT,RCPT,.025SQ POST .000015G/P THK AMP - 86565-8	EA
0007	00001.000	0996497-0001	KEYING PLUG CONNECTOR 086286--1	EA

WIRE NO	DESCRIPTION	START STATION	FINISH STATION	SIGNAL SIGNATURE	ITEM NO	REMARKS
1	22 AWG WHT	P21-1	FASTON		3	
2	22 AWG GRN/YEL	P21-2	RING LUG		6	
3	22 AWG WHT	P21-3	FASTON		3	



VIEW A

994350-5001	BULK CABLE ASSY MATL FOR -1
994350-0001	CABLE ASSY, FAN
PART NO.	DESCRIPTION

~~2 MARK 100-07 78 COLOR WHITE, TYPE 9~~
~~1 MARK 100-07 78 COLOR BLACK, TYPE 6~~

SEQ NO	IDENT	F-SPEC	NO	ADDITIONAL
	PROCESS			CLASSIFICATION

FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 729467

-2 QTY REQD	-1 QTY REQD	ITEM NO	CODE IDENT	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION

PARTS LIST

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	Brady B. Dills 9-3-76 REDRAWN WITH CHANGES	9/22/76	
	FORMAL RELEASE		
B	408507(D) Ed Edwards 12/21/76 DIM. 7.00 WAS 25.0; DIM. 5.50 WAS 23.0; DIM. 1.0 WAS 3.0; ITEM 4 WAS 538347-4999, QTY 4.4 FT; QTY ITEM 5 WAS 2 FT; ITEM 8 WAS 538347-4599, QTY 2.2 FT; ITEM 10 WAS 972482-0003. ADDED DIM. .50±.10	1-17-77	
C	CN423754 Linda Kuo 1) ADDED VENDOR P/N ON ITEM 3 2) P/N AND DESCRIPTION ON ITEM 5 WAS 0411634-2600, SLEEVE, PVC .263 DIA .020 WALL 3) VANDOR P/N ON ITEM 7 WAS QPL-MS3368-6-9 4) DELETED DIM 1.00±.50 IN ZONE C-4 5) DELETED DIM .50±.25 IN ZONE B-4	2/22/77	
D	CN 434164 (E) J. BAIZA (1) CHANGED ITEM 5 ON LM TO P.N. 0972436-0011 SLEEVE PVC .133	9/25/78	
E	CN 438956 (D) J. BAIZA (1) DIAGRAM DESCRPTION CHANGE FROM 20 AWG WHT, 20 AWG GRN, 20 AWG WHT	12/15/78	
F	CN 452325(D) D Anderson (1) ITEM 6 P/N WAS 0539882-0002 (2) REV PICTORIAL IN ZONE C-2	4/29/80	
G	CN 466193(D) J. Hippensteel (1) ITEM 5 P/N WAS 0972436-0011 (2) DELETED ITEM 7 (3) ADDED ITEM 11	4-28-81	
H	CN 502426 (D) PRUNYON 1) ITEM 8 P/N WAS 0996286-3455 (2) DEL MARKING PROCESS 1 & 2	3-30-82	
J	CN495180 (D) DATAGLIARINO 1) ON -0001 = ADDED ITEM 101; DELETED ITEMS 2, 3, 4, 5, 6, 8, 10 & 11 2) CREATED -5001	9-9-82	

UNLESS OTHERWISE SPECIFIED
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIR
- DIMENSIONAL LIMITS APPLY BEFORE FINISH PROCESSING
- IDENTIFYING NUMBERS SHOWN IN PARENTHESES FOR REFERENCE ONLY
- INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100

HOLE TOLERANCE

.013 THRU .129 ± .004 ± .001	.126 THRU .252 ± .005 ± .001	.251 THRU .500 ± .006 ± .001
.501 THRU .750 ± .008 ± .001	.751 THRU 1.000 ± .010 ± .001	1.001 THRU 2.000 ± .012 ± .001

2222693	8754
994323	8733
994292	8733
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES: ANGLES ± 1° 3 PLACE DECIMALS ± .010 2 PLACE DECIMALS ± .02

DWN	Brady B. Dills	DATE 9-3-76
CHK	Vernon Hogg	9/23/76
ENGR		9/22/76
QA		9/23/76
APVD		9/23/76
CONTR NO		9/23/76
DESIGN ACTIVITY RELEASE		9/29/76

TEXAS INSTRUMENTS INCORPORATED
Equipment Group Dallas, Texas

CABLE ASSY, FAN

SIZE	CODE IDENT NO	DRAWING NO
C	96214	994350

SCALE NONE SHEET

994350 C

9-149

34

LM

FILMED

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
0994350-0001	J	CABLE ASSY,FAN

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0972484-0003	CONNECTOR HOUSING 3 CONTACT TIB -7175-8	EA
0009	00000.000	0972707-0034	RECEPTACLE,TERMINAL- 3 CAVITIES BEI -65039-034	EA
0101	00001.000	0994350-5001	BULK CABLE ASSY MATERIAL FOR -0001 1225-0350-009	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
0994350-5001	J	BULK CABLE ASSY MATERIAL FOR -0001

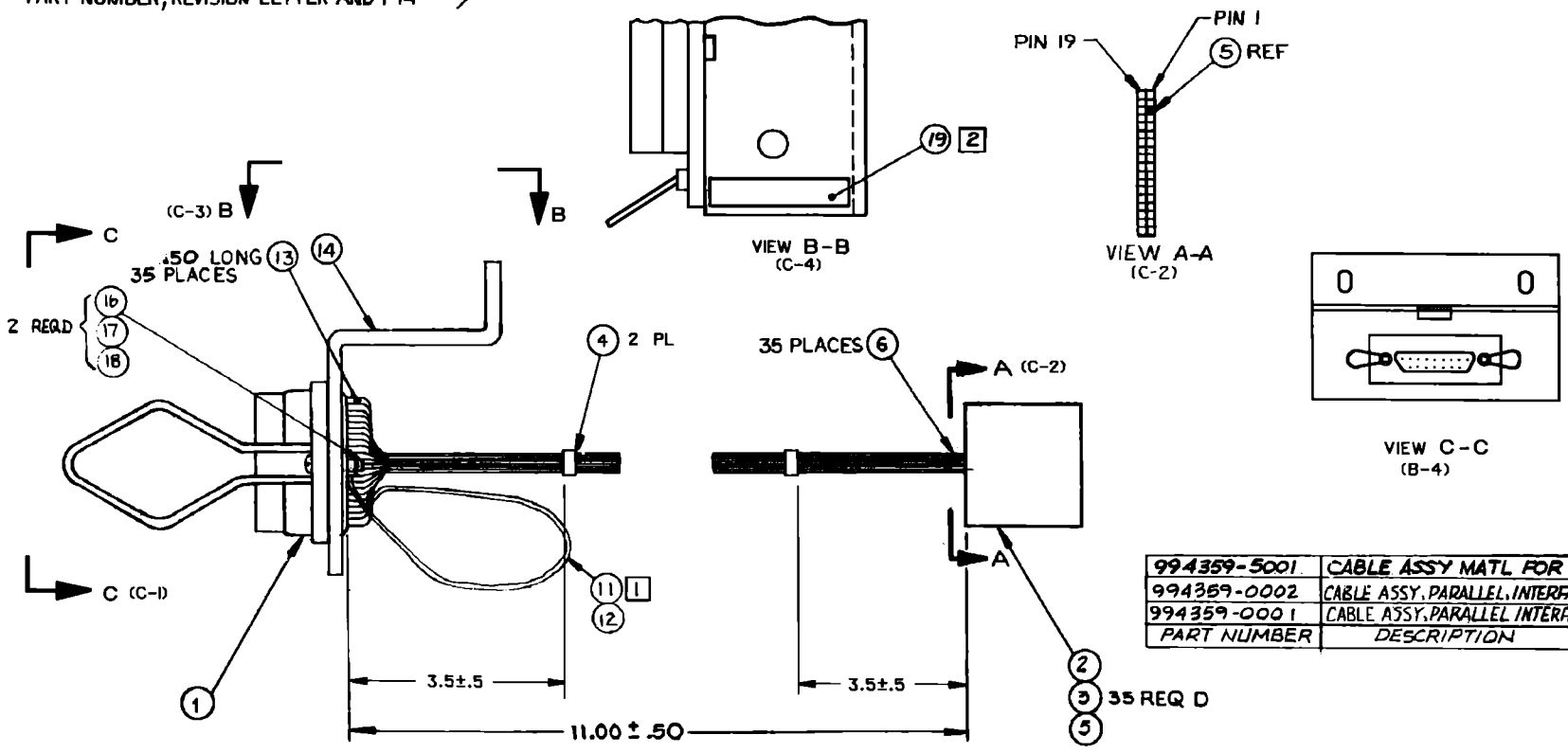
ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0002	00003.000	0972104-0001	CONTACT ELEC-LOCKING,WIRE-TC.025 SQ POST AMP - 87124-1	EA
0002A			*ITEM 9 & 10 MAY BE USED AMP - 87124-1	
0002B			*AS ALTERNATES FOR ITEMS AMP - 87124-1	
0002C			*1 & 2. ITEM 1 & 2 MAY ONLY AMP - 87124-1	
0002D			*BE USED TOGETHER AMP - 87124-1	
0003	00002.000	0972171-0057	TERMINAL,RECEPTACLE-PUSH-ON,INSULATED 033779-61060-2	EA
0004	00001.200	2210012-3999	WIRE,WHT,UL 1429, 19X34, 22AWG 6145-3200-000	FT
0005	00000.500	0972436-0035	INSUL SLVG,#6 PVC .166 ID .020THK 003890-HT-105C-6	FT
0006	00001.000	2211389-0001	LUG,RING TONGUE,20-24 AWG SEE TI- DRAWING	EA
0008	00000.600	2211912-0003	WIRE,GRN/YEL,PVC,UL STYLE 1429,9 X .006 SEE TI- DRAWING	FT
0010	00000.000	0972402-0006	CONTACT,ELECTRICAL,CRIMP BEI - 75691-006	EA
0011	00001.000	2210317-0001	LABEL,BLANK,CABLE MARKER 085480-SLPF-19315-4	EA

NOTES:

[1] TOTAL LENGTH OF ITEM 11 IS 3.00 ± .50

[2] APPROXIMATE PLACEMENT OF LABEL; SHOW ARROW ON LABEL TOWARD P14. LABEL SHOULD CONTAIN PART NUMBER, REVISION LETTER AND P14 ---→

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
W	CN5II652 (D) M. DURHAM	1/11/54	



PART NUMBER	DESCRIPTION
994359-5001	CABLE ASSY MATL FOR -1 & -2
994359-0002	CABLE ASSY, PARALLEL INTERFACE, LBO, BIO
994359-0001	CABLE ASSY, PARALLEL INTERFACE, BIO

SEQ NO	IDENT	F-SPEC	RO	ADDITIONAL CLASSIFICATION
3	SLDR	127-02	00	
~~2~~	~~MARK~~	~~100-07~~	~~T12~~	~~COLOR WHITE TYPE 9~~
1	MARK	909-01	01	COLOR BLACK HGT.10

FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 729467

PARTS LIST

QTY REQD -2	QTY REQD -1	ITEM NO	CODE IDENT	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION

REV LEVEL								
WIRE LIST	D							
ASSY	W							
WIRE LIST	D	D	D	D	D	D	D	
ASSY	L	M	N	P	R	U	V	
994360 WIRELIST	D	D	D					
994359-1,-2 ASSY	H	J	K					

UNLESS OTHERWISE SPECIFIED
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIR
- DIMENSIONAL LIMITS APPLY BEFORE FINISH PROCESSING
- IDENTIFYING NUMBERS SHOWN IN PARENTHESES FOR REFERENCE ONLY
- INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100

IDLE TOLERANCE

.013 THRU .128 ± .004 ± .001	.126 THRU .250 ± .005 ± .001	.251 THRU .500 ± .006 ± .001
.501 THRU .750 ± .008 ± .001	.751 THRU 1.000 ± .010 ± .001	1.001 THRU 2.000 ± .012 ± .001

NEXT ASSY	USED ON
994513	8733
994401	8733
994310	8733

APPLICATION

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES: ANGLES ± 1° 3 PLACE DECIMALS ± .010 2 PLACE DECIMALS ± .02

		DATE
DWN	Terry Clark	7/20/76
CHK		8/1/76
ENGR		8/3/76
QA		8/27/76
APPD		8/23/76
CONTR NO		
DESIGN ACTIVITY RELEASE		8/9/76

TEXAS INSTRUMENTS INCORPORATED
Equipment Group Dallas, Texas

CABLE ASSY, PARALLEL INTERFACE

SIZE	CODE IDENT NO	DRAWING NO
C	96214	994359

SCALE NONE SHEET

994359 C

9-151

340

DB LM

LIST OF MATERIALS

05/12/84

PART NUMBER	REV	DESCRIPTION
0994359-0001	W	CABLE ASSY, PARALLEL INTERFACE, 810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0996217-0001	CONNECTOR,RECEPTACLE	EA
			TRW - 57-40360	
0001A			J18	
			TRW - 57-40360	
0002	00001.000	0972202-0019	CONNECTOR 100 CENTER DUAL MINILATCH	EA
			-65043-019	
0002A			P14	
			-65043-019	
0004	00002.000	0418212-0040	STRAP,TIEDOWN,ADJUSTABLE,PLASTIC	EA
			CPL - MS3367-4-9	
0008	REF	0994360-9901	WIRE LIST,PARALLEL INTERFACE	EA
0014	00001.000	2360076-0001	BRACKET,AUXILIARY INPUT,P/IF	EA
			1680-1076-006	
0016	00002.000	0972988-0005	SCREW 2-56 X .375 PAN HEAD CRES	EA
0017	00002.000	0532752-0001	WASHER,#2 LOCK-EXTERNAL TOOTH FLAT	EA
			SHA -1602-01	
0018	00002.000	0411115-0024	NUT,PLAIN 2-56 UNC-2B HEX CRES	EA
			CPL - MS35649-224	
0019	00001.000	0232208-3500	LABEL WIRE MARKER DATABS VINYL CLOTH	EA
			1206-2208-000	
0101	00001.000	0994359-5001	CABLE ASSY MATERIAL FOR -0001 & -0002	EA
			1225-0359-071	

05/12/84

PART NUMBER	REV	DESCRIPTION
0994359-0002	W	CABLE ASSY,PARALLEL INTERFACE,L80,810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0996217-0001	CONNECTOR,RECEPTACLE	EA
			TRW - 57-40360	
0002	00001.000	0972202-0019	CONNECTOR 100 CENTER DUAL MINILATCH	EA
			-65043-019	
0004	00002.000	0418212-0040	STRAP,TIEDOWN,ADJUSTABLE,PLASTIC	EA
			CPL - MS3367-4-9	
0008	REF	0994514-9901	WIRE LIST,CABLE PARALLEL INTERFACE-L80	EA
0014	00001.000	2360076-0001	BRACKET,AUXILIARY INPUT,P/IF	EA
			1680-1076-006	
0016	00002.000	0972988-0005	SCREW 2-56 X .375 PAN HEAD CRES	EA
0017	00002.000	0532752-0001	WASHER,#2 LOCK-EXTERNAL TOOTH FLAT	EA
			SHA -1602-01	
0018	00002.000	0411115-0024	NUT,PLAIN 2-56 UNC-2B HEX CRES	EA
			CPL - MS35649-224	
0019	00001.000	0232208-3500	LABEL WIRE MARKER DATABS VINYL CLOTH	EA
			1206-2208-000	
0101	00001.000	0994359-5001	CABLE ASSY MATERIAL FOR -0001 & -0002	EA
			1225-0359-071	

LIST OF MATERIALS

05/12/84

PART NUMBER	REV	DESCRIPTION
0994359-5001	W	CABLE ASSY MATERIAL FOR -0001 & -0002

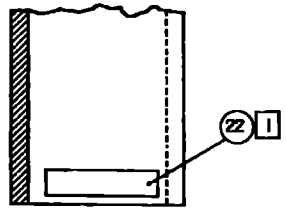
ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0003	00035.000	0972482-0004	CONTACT REELED 3 AMP .0035 THK BEI - 75691-004	EA
0005	00001.800	0800335-0001	CONNECTOR POLARIZING KEY BEI --65307-001	EA
0006	00034.500	2210012-2999	WIRE,ELEC,WHT,24 AWG, 19 X 36, UL1429 090484-XVB1936U9P	FT
0011	00000.300	0935170-2599	WIRE,UL 1429,19 STRD,24AWG,WHT/GRN 1650-0000-000	FT
0012	00001.000	2211389-0001	LUG,RING TONGUE,20-24 AWG SEE TI- DRAWING	EA
0013	00001.500	0411634-0510	SLEEVE,PVC, .053 DIA. CLEAR GPL - MIL-I-631	FT
0102	00000.000	0935170-2099	WIRE,UL 1429,19 STRD,24AWG,WHT/BLK 1650-0000-000	FT
0102A			*ALTERNATE FOR ITEM 11 1650-0000-000	

9-154

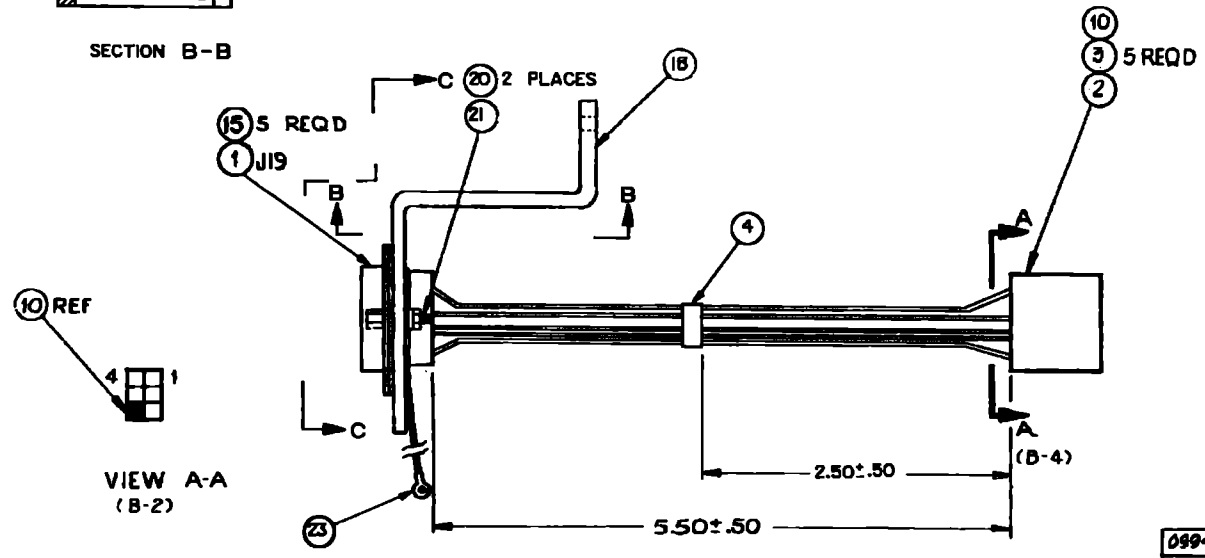
NOTES:
1. APPROXIMATE PLACEMENT OF LABEL; SHOW ARROW ON LABEL TOWARD P15. LABEL SHOULD CONTAIN PART NUMBER, REVISION LETTER AND "P15 →".

WIRE NO.	DESCRIPTION	SIGNATURE	START STATION	FINISH STATION	REMARKS	LM ITEM NO.
1	WHT	GND	P15 - 3	J19 - 3		5
2	WHT	TTYXMTD/R	- 2	J19 - 2	TP	5
3	WHT	TTYXMTD	- 1	J19 - 1		5
4	WHT	TTYRCVD	- 5	J19 - 5	TP	5
5	WHT	TTYRCVD/R	P15 - 4	J19 - 4		5

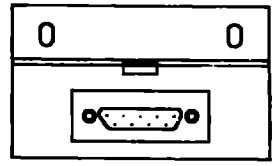
REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
U	CN5I3045 (D) REX KARL 1/27/84	2-10-84	JDDalton



SECTION B-B



VIEW A-A
(B-2)



VIEW C-C

0994361-5001	BULK CABLE ASSY MATERIAL FOR -0001
0994361-0001	CABLE ASSY TTY INTERFACE
PART NUMBER	DESCRIPTION

SEQ NO	IDENT	P-SPEC	NO	ADDITIONAL
	PROCESS			CLASSIFICATION
~~3~~	~~MARK~~	~~100-02~~	~~21~~	~~HEIGTH .09 COLOR BLACK~~
2	MARK	100-07	712	COLOR WHITE TYPE 9
1	MARK	100-07	712	COLOR BLACK TYPE 6

FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 7284X7

-2 QTY REQD	-1 QTY REQD	ITEM NO	CODE IDENT	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	*PROCUREMENT SPECIFICATION
					PARTS LIST	

UNLESS OTHERWISE SPECIFIED
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIR
- DIMENSIONAL LIMITS APPLY BEFORE FINISH PROCESSING
- IDENTIFYING NUMBERS SHOWN IN PARENTHESES FOR REFERENCE ONLY
- INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100

HOLE TOLERANCE

.013 THRU .125 ± .004 -.001	.126 THRU .500 ± .005 -.001	.501 THRU .625 ± .006 -.001
.501 THRU .750 ± .008 -.001	.751 THRU 1.000 ± .010 -.001	1.001 THRU 2.000 ± .012 -.001

994512	8733
994402	8733
994310	8733
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES ANGLES ± 1°
  3 PLACE DECIMALS ± .010
  2 PLACE DECIMALS ± .02

DRAWN		DATE 7/20/76
CHK		8/1/76
ENGR		
QA		8/2/76
APVD		8/2/76
CONTR NO.		
DESIGN ACTIVITY APVD		RELEASED 8/11/76

TEXAS INSTRUMENTS INCORPORATED
Equipment Group Dallas, Texas

CABLE ASSY.
TTY INTERFACE.
810

SIZE	CODE IDENT NO	DRAWING NO
C	96214	994361

SCALE NONE SHEET

994361

340

DB LM

List of Materials

02/04/84

PART NUMBER	REV	DESCRIPTION
0994361-0001	U	CABLE ASSY, TTY INTERFACE, 810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0539409-0002	CONNECTOR,RCPT 9 PINS	EA
			AMP -205203-1	
0001A			P15	
			AMP -205203-1	
0002	00001.000	0972202-0034	CONN- 6 CAV .100 CNTR D/MINILATCH	EA
			BEI -65043-034	
0002A			P15	
			BEI -65043-034	
0011	00000.000	0972847-0007	CONNECTOR,6 POSITION RECEPTACLE,.100GRID	EA
			000779-1-86148-8	
0012	00000.000	0539380-0004	CONTACT,20-24AWG BERY COPPER	EA
			089110-86492-3	
0016	REF	0983410-9901	TEST PRGM MOD 810 TTY INTFC CA ASSY-OMNI	EA
0017	REF	2360257-9901	TEST PROGRAM,TTY CABLE	EA
0017A			ALTERNATE FOR ITEM 16	
0018	00001.000	2360076-0002	BRACKET,AUXILIARY INPUT,TTY	EA
			1680-2076-002	
0020	00001.000	0808129-0001	CONNECTOR,ELECT SCREW-LOCK ASSY FEMALE	EA
			081349-M24308/26-1	
0021	00001.000	0411104-0135	WASHER, LOCK-SPRING, HELICAL, #4	EA
			QPL - MS35338-135	
0023	00001.000	2360088-0001	LEAD, ELECTRICAL GROUND	EA
			1225-1088-018	
0101	00001.000	0994361-5001	BULK CABLE ASSY MATERIAL FOR -0001	EA
			1225-0361-051	

02/04/84

PART NUMBER	REV	DESCRIPTION
0994361-5001	U	BULK CABLE ASSY MATERIAL FOR -0001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0003	00005.000	0972482-0006	CONTACT,ELECTRICAL,CRIMP	EA
			BEI - 75691-006	
0003A			*ITEM 2,3,&10 CAN ONLY BE	
			BEI - 75691-006	
0003B			*USED TOGETHER	
			BEI - 75691-006	
0004	00001.000	0418212-0040	STRAP,TIEDOWN,ADJUSTABLE,PLASTIC	EA
			QPL - MS3367-4-9	
0004A			*ITEMS 11,12 & 13 CAN BE	
			QPL - MS3367-4-9	
0004B			*USED AS ALTERNATES FOR	
			QPL - MS3367-4-9	
0004C			*ITEMS 2,3 & 10. ITEMS 11,	
			QPL - MS3367-4-9	
0004D			*12 & 13 CAN ONLY BE USED	
			QPL - MS3367-4-9	
0004E			*TOGETHER	
			QPL - MS3367-4-9	
0005	00002.500	2210012-2999	WIRE,ELEC,WHT,24 AWG, 19 X 36, UL1429	FT
			090484-XVB1936U9P	
0010	00001.000	0800335-0001	CONNECTOR POLARIZING KEY	EA
			BEI --65307-001	
0013	00000.000	0996497-0001	KEYING PLUG CONNECTOR	EA
			086286--1	
0015	00005.000	0539430-0004	CONTACT,SOCKET 24-20AWG .068 INSUL DIA	EA
			AMP -205201-3 ST	
0022	00001.000	0232208-3500	LABEL WIRE MARKER DATABS VINYL CLOTH	EA
			1286-2208-000	

NOTES: UNLESS OTHERWISE SPECIFIED:

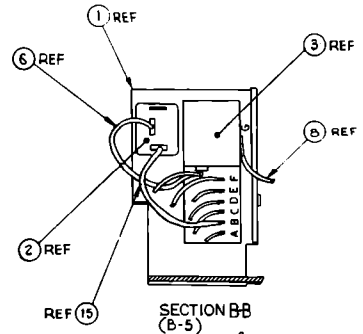
1. MARK PART NO. & SERIAL NO. PER PROCESS 1 USING ITEM 31 WHERE SHOWN
2. MOUNTING HARDWARE SUPPLIED WITH PART
3. DRESS ITEMS LOOSELY (1.0 ± .5) TO THIS POST USING ITEM 33

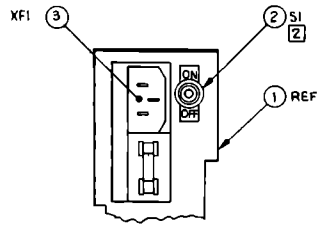
WIRE NO.	DESCRIPTION	TOTAL LENGTH	SIGNATURE	START STATION	FINISH STATION	REMARKS	LM ITEM NO.
1	JUMPER WHT		T1 E1	XF1-F	T1-E1		7
2	WHT/RED		E2	-D	-E2		27
3	WHT/BLU		E3	-E	-E3		30
4	WHT/YEL		E4	-A	-E4		28
5	WHT/GRN		T1 E5	-C	T1-E5		29
6	GRN/YEL		PIM GND	-G	GND STUD		8
7	WHT		AC IN (HOT)	XF1-L	S1A-C		6
8	WHT		AC OUT (HOT)	S1A-NO	XF1-B		15
9	GRN/YEL		T1-GND	T1-E12	GND STUD		9
10	WHT		28VAC HI	T1-E6	CR1-AC		14
11	WHT		28VAC LO	T1-E13	CR1-AC		13
12	WHT/YEL		AC IN (NEUT)	XF1-N	XF1-J		10

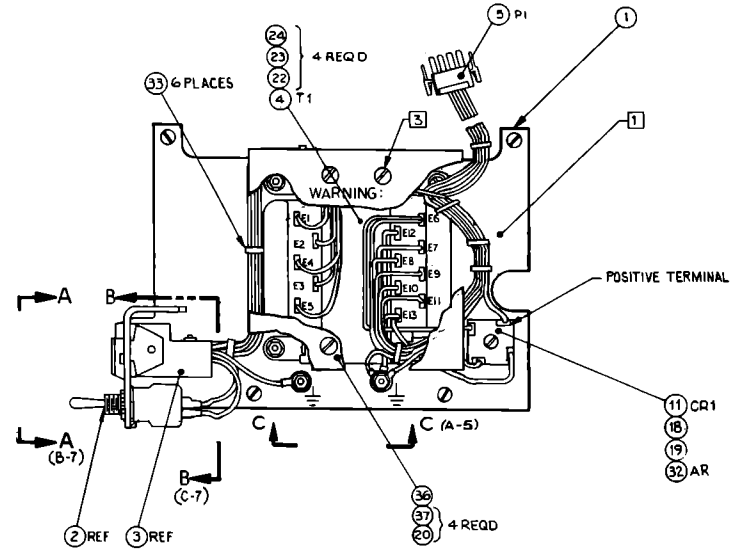
DWG NO 994373

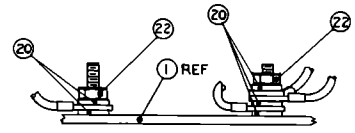
REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	NR#21508(D) ARTHUR CLARK 11/4/76 "REDRAW PER ENGR REDESIGN"		
B	FINAL UP-DATES	12/28/76	
C	CN#16889 ARTHUR CLARK (1) LM: ITEM 17 DELETED P/N WAS 0994198-0001 QTY 1 (2) ITEM 26 DELETED P/N WAS 0972684-0034 QTY 1 (3) ITEM 4 P/N WAS 0309633-0001 (4) F/D: DELETED 17 & 26 CALLOUTS	2/21/77	
D	CN#23783 C. EDWARDS (1) ITEM 3 OF LM WAS 996198-0007	3/15/77	
E	CN#23760 C. EDWARDS (1) ADDED LM ITEMS 36 & 37 (2) LM ITEM 20 QTY WAS 2 (3) CHANGE PICTORIAL TO SHOW COVERS, ITEMS 36 & 37	4/12/77	
F	CN#24030 (1) ITEM 20 QTY WAS 6 (2) ITEM 24 QTY WAS 6 (3) ADDED VIEW C-C & A-5	5-9-77	
G	CN#25642 (1) ITEM 33 QTY WAS 5 (2) ADD NOTE 3 (3) ZC4 MOVED CABLE OVER TO UPPER RH POST	9-12-77	









SEQ NO	IDENT	F-SPEC	NO	ADDITIONAL	NOTES
2	SLDR	127-01	00		
1	MARK	100-02	21	HEIGHT .12, COLOR BLACK	1
PROCESS				CLASSIFICATION	

PROCESSES — FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 729467

QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES
		PARTS LIST			

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES: ANGLES ± 1°; 3 PLACE DECIMALS ± .010; 2 PLACE DECIMALS ± .02
- INTERPRET DRAWING PER MIL-D-1000
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIM
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

.013 THRU .125	.004 .001	.251 THRU .500	.008 .001
.126 THRU .250	.005 .001	.501 THRU 750	.008 .001
		.751 THRU 1.000	.010 .001
		1.001 THRU 2.000	.012 .001

NEXT ASSY	USED ON
994323	8733
APPLICATION	

DRAWN 11/2/76
CHECKED 12/2/76
ENGR
PROJ ENGR
QUAL
MFG
COMPT 12/22/76

TEXAS INSTRUMENTS INCORPORATED Dallas, Texas

A C POWER MODULE ASSEMBLY

SIZE D | PART NO 96214 | DRAWING NO 994373

SCALE 1/1 | SHEET

LM

LIST OF MATERIALS

07/15/81

PART NUMBER REV DESCRIPTION.....
0994373-0001 G A.C. POWER MODULE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	0994369-0001	BASE POWER SUPPLY 1680-0369-000	EA
0002	00001.000	0996282-0001	SWITCH,TOGGLE,ON-OFF MMI - 3190-0003	EA
0002A			S1 MMI - 3190-0003	
0003	00001.000	0996198-0009	CONNECTOR,FUSED W/LABEL 005245-7100-0002	EA
0003A			XF1 005245-7100-0002	
0004	00001.000	0994324-0001	TRANSFORMER,POWER ISOLATION 096214-994324-1	EA
0004A			T1 096214-994324-1	
0005	00001.000	0994374-0001	CABLE ASSY TRANSFORMER 1225-1374-000	EA
0005A			P1 1225-1374-000	
0006	00001.000	0994368-0001	JUMPER,AC POWER-TRANSFORMER 3.00LG 1225-1368-038	EA
0007	00001.000	0994387-0001	JUMPER,AC POWER 1225-1387-000	EA
0008	00001.000	0994388-0001	JUMPER,AC POWER GND 4.50 LG 1225-1388-000	EA
0009	00001.000	0994389-0001	JUMPER,XFORMER GND 1225-1389-000	EA
0010	00001.000	0994390-0001	OBSOLETE PER ECN439005,REPL BY NONE 1225-1390-000	EA
0011	00001.000	0996319-0001	RECTIFIER BRIDGE,FULL WAVE,15 AMPERE	EA
0011A			CR1	
0012	00000.000	0996320-0001	RECTIFIER,BRIDGE,FULL WAVE,12 AMPERE MOT - MDA-980-2	EA
0012A			ALTERNATE FOR ITEM 11 MOT - MDA-980-2	
0013	00001.000	0994391-0001	JUMPER,BRIDGE 4 INCH 1225-1391-000	EA
0014	00001.000	0994391-0002	JUMPER,BRIDGE 7 INCH 1225-2391-000	EA
0015	00001.000	0994192-0001	JUMPER AC POWER SWITCH IN 1215-1192-003	EA
0016	REF	0994384-9901	SCHEMATIC DIAG,AC POWER MODULE	EA
0018	00001.000	0972988-0031	SCREW 6-32 X .625 PAN HEAD CRES	EA
0019	00001.000	0411104-0136	WASHER, LOCK-SPRING, HELICAL, #6 QPL - MS35338-136	EA
0020	00009.000	0411101-0059	LOCKWASHER # 8 EXTERNAL TOOTH CRES QPL - MS35335-59	EA
0022	00006.000	0411115-0034	NUT,PLAIN 8-32 UNC-2B HEX CRES QPL - MS35649-284	EA
0023	00004.000	0411104-0137	WASHER, LOCK-SPRING, HELICAL, #8 QPL - MS35338-137	EA
0024	00004.000	0411027-0807	WASHER,#8 FLAT,CRES,.188 X .375 X .049 QPL - MS15795-807	EA
0025	00000.000	0994262-0001	COVER,TRANSFORMER	EA
0027	00001.000	0994387-0002	JUMPER,AC POWER 1225-2387-000	EA
0028	00001.000	0994387-0003	JUMPER,AC POWER 1225-3387-000	EA

LIST OF MATERIALS

07/15/81

PART NUMBER	REV	DESCRIPTION.....
0994373 0001	G	A.C. POWER MODULE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0029	00001.000	0994387-0004	JUMPER,AC POWER 1225-4387-000	EA
0030	00001.000	0994387-0005	JUMPER,AC POWER 1225-5387-000	EA
0031	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0032	AR	0415886-0003	GREASE,SILICONE,HEAT COND. COR - DC 340	TU
0033	00006.000	0418212-0001	STRAP, TIEDOWN, ADJUSTABLE, BLACK	EA
0034	REF	0994417-9901	WIRE LIST,CABLE-TRANSFORMER	EA
0035	REF	0997021-9901	TEST PROCEDURE,AC P/S	EA
0036	00001.000	0994433-0001	COVER,TRANSFORMER 1680-0433-000	EA
0037	00004.000	0972988-0041	SCREW 8-32 X .250 PAN HEAD CRES	EA

07/15/81

PART NUMBER	REV	DESCRIPTION.....
0994373-8001	G	AC POWER MODULE ASSEMBLY

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	0994373-0001	A.C. POWER MODULE 1225-1373-000	EA

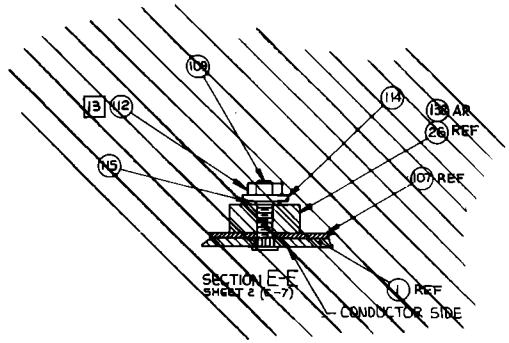
DWG NO 994394 SH 1

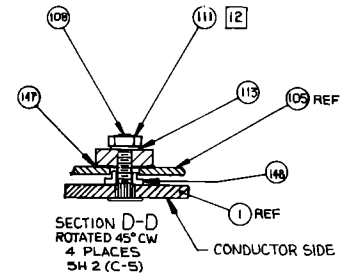
NOTES: UNLESS OTHERWISE SPECIFIED:

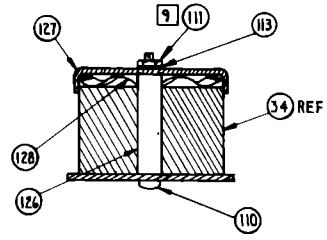
1. MAX. LEAD LENGTH TO BE .062 FROM CONDUCTOR SIDE OF BOARD.
2. DO NOT SOLDER ON COMPONENT SIDE.
3. ~~INSTALL CAPACITORS (ITEMS 133 & 134) AFTER PROCESS 2.~~
4. MASK ALL CONN FINGERS ON BOTH SIDES OF BOARD WHEN SOLDERING TO PREVENT SOLDER FROM WICKING DOWN CONN FINGERS.
5. MARK ASSEMBLY SITE/DATE CODE IN LOCATION SHOWN PER PROCESS 1 AND ITEM 139 PARAGRAPH 4.0
6. MARK APPROPRIATE REVISION LETTER IN LOCATION SHOWN PER PROCESS 1 AND REVISION LEVEL BLOCK
7. HEATSINK MUST BE SQUARELY ON LOCATION AND MUST NOT TOUCH AND SHORT OUT ADJACENT COMPONENT LEADS OR CONDUCTOR RUNS
8. MOUNT DISC (ITEM 24) TO SUPPORT ITEM (ITEM 119) USING SILICONE (RTV) (ITEM 101). 3 POSTS ON SUPPORT USED TO CENTER DISC. DISC SHOULD NOT TOUCH POSTS ON SUPPORT.
9. TORQUE TO 5±1 INCH-POUNDS
10. TORQUE TO 28±2 INCH-POUNDS
11. R97 IS OPTIONAL, NOT INSTALLED
12. TORQUE TO 3.5±.5 INCH-POUND MAX
13. ~~TORQUE TO 8 IN/LBS MAX~~
14. APPROXIMATELY 1/8" LENGTH OF TUBING ON EACH LEAD
15. ITEM 150 CONSISTS OF COMPONENTS WHICH ARE AUTO INSERTED AND ARE CONTAINED IN THE -5000 SERIES CH.

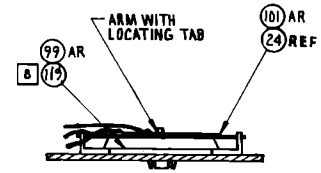
REVISIONS

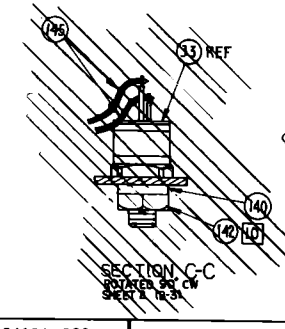
REV	DESCRIPTION	DATE	APPROVED
V	CN 45962 (1) REKHA SETH (1) LM AND ZD-2 DELE ITEM 133 P/N 836 1-3, QTY 8	8-14-79	D. Stevens

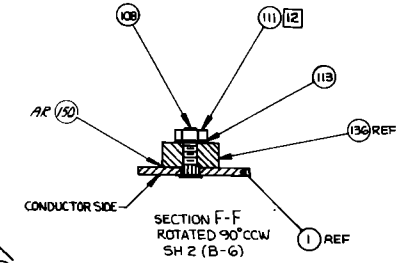












REV STATUS OF SHEETS	REV	V
	SH	1 2

15

PART NUMBER	DESCRIPTION
994394-5001	AUTO-INSERTED PARTS LIST FOR 994394-0001
994394-0001	POWER SUPPLY

SEQ NO	IDENT	F-SPEC	ADDITIONAL	NOTES
3	SLDR	127-01	00	
2	SLDR	124-02	00	
1	MARK	100-02	21	HEIGHT: .06, COLOR: BLACK
	PROCESS		CLASSIFICATION	

PROCESSES — FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 729467

REVISION LEVEL						
DIAGRAM	D	D	E	E	V	
ASSEMBLY	P	S	T	U	V	

NEXT ASSY	USED ON
994293	8733
994292	8733

APPLICATION

PARTS LIST

ITEM NO	QTY	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES

UNLESS OTHERWISE SPECIFIED:
- DIMENSIONS ARE IN INCHES
- TOLERANCES — ANGLES ±2°; 3 PLACE DECIMALS ±.010; 2 PLACE DECIMALS ±.02
- INTERPRET DRAWING PER MIL-D-1000
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MATCHED DIAMETERS .010 T.I.R.
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

.062 THRU 1.25	.004 .001	1.26 THRU 2.50	.005 .001	.251 THRU .500	.006 .001		
.501 THRU .750	.007 .001	.751 THRU 1.000	.010 .001	1.001 THRU 2.000	.012 .001		

	DATE
Chris Crisp	12-29-76
Myron Thomas	1/21/77
Jim Lacy	1/24/77
Jim Johnson	1/24/77
Myron Thomas	1/24/77
Rekha Seth	1/11/77
D. Williams	1/24/77

TEXAS INSTRUMENTS INCORPORATED Dallas, Texas

POWER SUPPLY

SIZE D | FSCM NO 96214 | DRAWING NO 994394

SCALE 2/1 | SHEET 1 OF 2

9-159

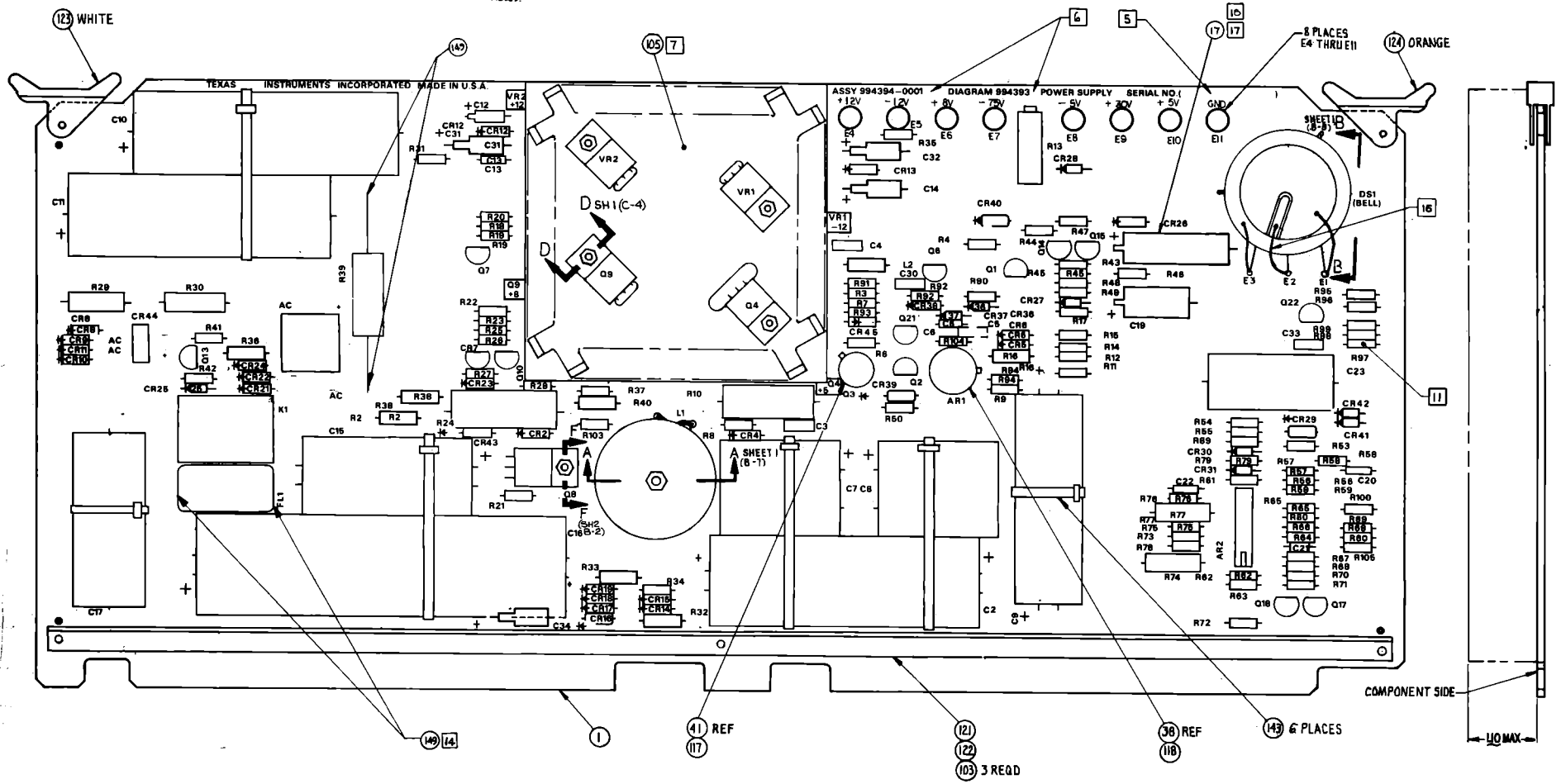
LM

TO INSTALL BELL, LINE UP CENTER PRONGS WITH LARGE HOLE IN PC. BOARD AND LINE UP LOCATING TAB WITH SMALL HOLE, THEN PRESS CENTER OF BELL TILL PRONGS HAVE SEATED IN HOLE. SOLDER THE FOLLOWING WIRES; YELLOW OUTSIDE SECTION TO E3, SMALL WHITE INSIDE SECTION TO E2, LARGE WHITE INSIDE SECTION TO E1. NEATLY R.T.V. (ITEM 101) EXTRA WIRE LENGTH TO BOARD KEEPING RTV OFF PT HOLES.

17 MOUNT CAPACITOR FLUSH TO BOARD AND NOT TOUCHING BELL

18 SOLDER 4/32" OF NEGATIVE LEAD TO GROUND PLANE USEING ACCEPTABLE W/ WORKMANSHIP STANDARDS

REVISIONS			
ZONE	LTR	DESCRIPTION	DATE	APPROVED



SIZE	CODE IDENT NO	DRAWING NO	REV
D	96214	994394	
SCALE 2/1		SHEET 2	

D 994394 B

List of Materials

05/12/84

PART NUMBER 0994394-0001 REV V DESCRIPTION..... POWER SUPPLY

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0002	REF	0994392-9901	ELECTRONIC SCHEMATIC DIAG,POWER SUPPLY	EA
0003	REF	0987412-9901	REVISION LEVEL STATUS,MC810/ATS	EA
0004	00001.000	0972965-0004	CAP FIX CERAMIC 2200 PF 10% 200V	EA
			CPL - CK06BX222K	
0004A			C33	
			QPL - CK06BX222K	
0005	00001.000	0972663-0001	NETWORK,LM339N	EA
0005A			AR2	
0007	00002.000	0972929-0385	CAP FIX CERAMIC 220 PF 10% 200V	EA
			SEE - TI DRAWING	
0007A			C5,C30	
			SEE - TI DRAWING	
0008	00001.000	0972965-0012	CAP FXD .010UF,10%,200V, CERAMIC	EA
			QPL - CK06BX103K	
0008A			C3	
			QPL - CK06BX103K	
0010	00001.000	0972965-0024	CAP FXD .100UF,10%,100V, CERAMIC	EA
			QPL - CK06BX104K	
0010A			C4	
			QPL - CK06BX104K	
0012	00001.000	0419051-0474	CAP FIX FILM FOIL .470 UF 5% 200VDC	EA
			TRW - 663UW	
0012A			C23	
			TRW - 663UW	
0015	00001.000	0996335-0001	CAP FIXED 12.0MF 100V	EA
0015A			C17	
0016	00001.000	0972924-0011	CAP FIX TANT SOLID 68 MFD 10 % 15 VOLT	EA
			CPL -M39003/1-2274	
0016A			C19	
			CPL -M39003/1-2274	
0017	00001.000	0996681-0002	CAP,AL-ELECTROLYTIC,15V,1000MFD,.38 OHMS	EA
			09D201-SEE DRAWING	
0017A			C18	
			CPL -M39003/1-2277	
0018	00001.000	0996479-0001	CAP,FIXED 850MF 125V	EA
			052689-6040186	
0018A			C16	
			052689-6040186	
0019	00001.000	0972931-0093	CAP FIXED 1000 UF 50VDC -10/0R+75%	EA
			SPR - 604D102G050HP	
0019A			C2	
			SPR - 604D102G050HP	
0020	00002.000	0507315-0033	CAP 1500 UF 40V 45%	EA
			-39D158G040HP5	
0020A			C10 C11	
			-39D158G040HP5	
0021	00001.000	0972931-0025	CAP FIXED 1700 10V ALUM LOW IMPEDANCE	EA
0021A			C15	
0022	00002.000	0996326-0001	CAPACITOR 2200UF 12 DCWV ELECTROLYTIC	EA
			001939-6730228H012JE5	
0022A			C7,C8	
			001939-6730228H012JE5	
0023	00001.000	0972931-0016	CAPACITOR 4400UF-10/+75% 7.5V	EA
			SEE - TI DRAWING	

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
0994394-0001	V	POWER SUPPLY

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0023A			C9	
			SEE - TI DRAWING	
0024	00001.000	0972461-0001	DISC,SOUND-PIEZO-ELECT 3200 +/- 600 HZ	EA
			SEE - TI DRAWING	
0024A			DS1	
			SEE - TI DRAWING	
0025	00001.000	0996329-0001	IC,TL430CLP PROGRAMMABLE SHUNT,REGULATOR	EA
			SEE TI- DRAWING	
0025A			CR7	
			SEE TI- DRAWING	
0026	00001.000	0996318-0001	BRIDGE RECTIFIER,2AMP FULL-WAVE	EA
			027777-VS248	
0026A			CR20	
			027777-VS248	
0029	00001.000	0996281-0006	RECTIFIER,SS3892/UES1302,V(R)100V I(O)6A	EA
			014099-SS3892	
0029A			CR4	
			014099-SS3892	
0034	00001.000	0996322-0001	INDUCTOR FIXED 205UH	EA
			GFS - 76205-1	
0034A			L1	
			GFS - 76205-1	
0035	00003.000	0972057-0001	TRANSISTOR-A5T2222 NPN SILICON	EA
			1640-2132-000	
0035A			Q6 Q18 Q22	
			1640-2132-000	
0036	00004.000	0996337-0001	XST A5T2243	EA
			TI -A5T2243	
0036A			Q1 Q2 Q7 Q10	
			TI -A5T2243	
0037	00005.000	0800523-0001	TRANSISTOR A5T2907 PNP SILICON	EA
			TI- -A5T2907	
0037A			Q13 Q14 Q15 Q17 Q21	
			TI- -A5T2907	
0038	00001.000	0222224-0305	NETWORK LM305H OPERATIONAL AMP	EA
			-LM305H	
0038A			AR1	
			-LM305H	
0039	00001.000	0972499-0002	NETWORK,VOLG REG,NEG,3 TERM-(-12V)	EA
0039A			VR1	
0040	00001.000	0996438-0002	IC,UA78M12UC VOL REG THREE TERMINAL	EA
			009404-2UA78M12UC	
0040A			VR2	
			009404-2UA78M12UC	
0041	00001.000	0996298-0001	TRANSISTOR,SGD2162 PNP SWITCHING	EA
			TI -SGD2162	
0041A			Q3	
			TI -SGD2162	
0042	00001.000	0972962-0002	TRANSISTOR TIP41C POWER AMP & HIGH-SPEED	EA
			TI -TIP41C	
0042A			Q4	
			TI -TIP41C	
0043	00001.000	0972572-0003	TRANSISTOR,TIP122 SILICON NPN DARLINGTON	EA
			TI -TIP122	
0043A			Q5	
			TI -TIP122	
0044	00001.000	0996383-0011	DIODE UZ8818 ZENER,1 WATT	EA
			012969-UZ8818	

List of Materials

05/12/94

PART NUMBER	REV	DESCRIPTION
0994394-0001	V	POWER SUPPLY

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0044A			CR39 012969-0Z8818	
0069	00001.000	0996274-C002	RES 2.00 OHM .25 W 1% FIXED W/W PWR 001686-T-1/2A	EA
0069A			R28 C01686-T-1/2A	
0070	00001.000	0539373-0323	RESISTOR, 226 OHMS 1% 3/8W FX,FILMED C24546-NA6C 1/	EA
0070A			R53 024546-NA6J 1/	
0071	00001.000	0996272-C003	RES 0.12 OHM 5 W 1% FIXED W/W PWR 001686-NT-5-74	EA
0071A			R10 001686-NT-5-74	
0097	00001.000	0972947-0389	RES FIX 10 K OHM 5% .5 W CARBON FILM RCH - R-50	EA
0097A			R2 RCH - R-50	
0098	00002.000	0972978-0103	RES FIXED COMP 1.2K 1 WATT 5% CPL - RCR32G122JS	EA
0098A			R29 R30 CPL - RCR32G122JS	
0099	AR	0417200-C004	PRIMER,SILICONE RUBBER-RED COR - 1203	PT
0100	00001.000	0972832-0273	RES FIX 68.1 OHMS 1% 7W	EA
0100A			R24	
0101	AR	0417559-0001	COMPOUND,INS,ELEC (RTV) 00W 3140 SEE - TI DRAWING	TU
0102	00001.000	0972942-0026	RES FIX 4.70 K OHMS 5% 5 WATT WIREWOUND OHM - 995-4641	EA
0102A			R37 RCL - T-10-70	
0103	00003.000	0972684-0002	SCREW,THD FRMG,HEX WSHR HD,2-56X1/4 LG	EA
0104	00001.000	0539795-C007	RES VAR CERMET 1.0 K OHMS 10 % .75 WATT BOU -3069P-1-102	EA
0104A			R13 BOU -3069P-1-102	
0105	00001.000	0996332-C003	HEATSINK MULTIPLE DVC TO-66 CASE 12318-3 THR - 12318-3	EA
0106	00001.000	0996331-0001	RELAY,SPNO 3 AMP 12 VDC 082415-27A21D12	EA
0106A			K1 082415-27A21D12	
0108	00005.000	0972355-0003	STUD,CLINCH,.375 LONG,BRONZE 046384-KFH-440-6	EA
0110	00001.000	0972988-0121	SCREW 4-40 X.1.12 PAN HEAD CRES	EA
0111	00006.000	0411115-0044	NUT,4-40 HEXAGON CRES STEEL MS -35649-244	EA
0113	00006.000	0411101-0057	LOCKWASHER # 4 EXTERNAL TOOTH CRES CPL - MS35335-57	EA
0117	00001.000	0184262-0001	PAD,MOUNTING,TO-5, 4 LEAD,RED THR - 7717-5	EA
0118	00001.000	0537402-C001	OBSOLETE REPLACED BY 538622.65 THR - 7717-122N	EA

List of Materials

05/12/84

PART NUMBER REV DESCRIPTION.....
0994394-0001 V POWER SUPPLY

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0119	00001.000	0983910-0001	SUPPORT,TONE GENERATOR 1255-0073-025	EA
0121	00001.000	0945239-0001	BRACKET-STIFFENER, PWB, 14IN 1679-0239-041	EA
0122	00001.000	0966486-0001	INSULATOR PWB STIFFENER 1679-0486-000	EA
0123	00001.000	0413277-0001	EJECTOR,PCB,NON-LOCKING,WHITE SCA -S-200(NATURAL)	EA
0124	00001.000	0413277-0004	EJECTOR,PCB,NON-LOCKING,ORANGE SCA -S-200(ORANGE)	EA
0125	00001.000	0996330-0001	NETWORK 22 OHMS 10% #22 AWG SOLID LEADS	EA
0125A			FLI	
0126	00001.000	0416925-0411	SPACER #4 3/16 X .028 SCREW & BOLT	EA
0127	00001.000	0972306-0002	COVER ROUND	EA
0128	00001.000	0972621-0002	SPRING RING 5360-2000-000	EA
0132	00001.000	0972946-0061	RES FIX 680 OHM 5 % .25 W CARBON FILM ROH - R-25	EA
0132A			R20 ROH - R-25	
0136	00001.000	0996450-0001	TRANSISTOR TIP115,P-N-P DARLINGTON 001295-TIP115	EA
0136A			Q8 001295-TIP115	
0137	00000.000	0972806-0003	DIODE VM18 BRIDGE,DUAL-IN-LINE,1 AMP -VM18	EA
0137A			ITEM 137 (QTY 1) CR44 MAY -VM18	
0137B			BE USED AS AN ALTERNATE -VM18	
0137C			FOR ITEM 30 (QTY 4) CR8, -VM18	
0137D			CR9,CR10,AND CR11 ONLY -VM18	
0139	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0140	00001.000	0411101-0061	LOCKWASHER 1/4 EXTERNAL TOOTH CRES QPL - MS35335-61	EA
0143	00006.000	0972632-0005	STRAP,TIE DOWN,CABLE-NON-STANDARD PNO - 5ST3I	EA
0147	00004.000	0996521-0010	INSULATOR, .147DIA .750LG .500W 095285-7403-09FR-54	EA
0148	00004.000	0972628-0019	WASHER, #4 ID .118 OD .250 C91201-5607-50	EA
0149	AR	0413499-0011	INSULATION SLEEVING,TEFLON #12 NATURAL	FT
0150	00001.000	0994394-5001	AUTO-INSERTED PARTS LIST FOR 994394-1 0000-0000-000	EA
0151	AR	0415886-0003	GREASE,SILICONE,HEAT COND. COR - DC 340	TU
9998	00001.000	0239999-9998	COST, AS REQUIRED	EA
9999	00002.000	0239999-9999	COST, SHRINKAGE	EA

List of Materials

05/12/84

PART NUMBER REV DESCRIPTION.....
0994394-5001 V AUTO-INSERTED PARTS LIST FOR 994394-1

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	0994393-0001	PWB,POWER SUPPLY	EA
0002	00002.000	0972460-0006	DIODE E7918,SILICON,ZENER-1%	EA
			075222-E7918	
0002A			CR16 CR29	
			075222-E7918	
0003	00009.000	0972932-0001	DIODE 1N9148	EA
			SEE TI- DRAWING	
0003A			CR25 CR27 CR30 CR31 CR36	
			SEE TI- DRAWING	
0003B			CR37 CR38 CR41 CR42	
			SEE TI- DRAWING	
0004	00021.000	0539468-0002	DIODE,1N4002 LAMP 100PIV RECTIFIER	EA
			TI - 1N4002	
0004A			CR2 CR5 CR6 CR8 CR9	
			TI - 1N4002	
0004B			CR10 THRU CR15 CR17 CR18	
			TI - 1N4002	
0004C			CR19 CR21 CR22 CR23 CR26	
			TI - 1N4002	
0004D			CR28 CR43 CR45	
			TI - 1N4002	
0005	00001.000	0539812-0050	RES,FIXED 239 OHMS .1% MF 1/8W	EA
			TI -MC55C	
0005A			R55	
			TI -MC55C	
0006	00001.000	0539812-0049	RES,FIXED 761 OHMS .1% MF 1/8W	EA
			TI -MC55C	
0006A			R54	
			TI -MC55C	
0007	00001.000	0539812-0052	RES FIXED 1.19K OHMS .1%	EA
			TI -MC55C	
0007A			R78	
			TI -MC55C	
0008	00001.000	0539812-0051	RES FIXED 3.42K OHMS .1%	EA
			TI -MC55C	
0008A			R75	
			TI -MC55C	
0009	00002.000	0539812-0057	RES FIXED 10K OHMS .1%	EA
			TI -MC55C	
0009A			R73 R76	
			TI -MC55C	
0010	00001.000	0539370-0346	RES FIX FILM 392 OHM 1% .25 WATT	EA
			COR - NA55	
0010A			R59	
			COR - NA55	
0011	00001.000	0539370-0364	RES FIX FILM 604 OHM 1% .25 WATT	EA
			COR - NA55	
0011A			R60	
			COR - NA55	
0012	00001.000	0539370-0369	RES FIX FILM 681 OHM 1% .25 WATT	EA
			COR - NA55	
0012A			R46	
			COR - NA55	
0013	00002.000	0539370-0385	RES FIX FILM 1.00K OHM 1% .25 WATT	EA
			COR - NA55	
0013A			R27 R57	
			COR - NA55	
0014	00001.000	0539370-0434	RES FIX FILM 3.24K OHM 1% .25 WATT	EA
			COR - NA55	
0014A			R14	
			COR - NA55	

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
994394-5001	V	AUTO-INSERTED PARTS LIST FOR 994394-1

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0015	00001.000	0539370-0450	RES FIX FILM 4.75K OHM 1% .25 WATT	EA
			COR - NA55	
0015A			R43	
			COR - NA55	
0016	00001.000	0539370-0462	RES FIX FILM 6.34K OHM 1% .25 WATT	EA
			COR - NA55	
0016A			R12	
			COR - NA55	
0017	00001.000	0539370-0481	RES FIX FILM 10.0K OHM 1% .25 WATT	EA
			COR -NA55D-100PPM/C	
0017A			R45	
			COR -NA55D-100PPM/C	
0018	00001.000	0539370-0577	RES FIX FILM 100 K OHM 1% .25 WATT	EA
			COR - NA55	
0018A			R56	
			COR - NA55	
0019	00002.000	0972936-0414	RES 1.00 M-OHM .125W 1% FIXED FILM	EA
			81349R-NC55H1004FM	
0019A			R62 R66	
			81349R-NC55H1004FM	
0020	00002.000	0972937-0419	RES 1.13 M-OHM .25 W 1% FIXED FILM	EA
			81349R-NC60H1134FM	
0020A			R74 R77	
			81349R-NC60H1134FM	
0021	00002.000	0972946-0017	RES FIX 10.0 OHM 5 % .25 W.CARBON FILM	EA
			ROH - R-25	
0021A			R7 R99	
			ROH - R-25	
0022	00003.000	0972946-0027	RES FIX 27.0 OHM 5 % .25 W.CARBON FILM	EA
			ROH - R-25	
0022A			R11 R15 R23	
			ROH - R-25	
0023	00001.000	0972946-0034	RES FIX 51.0 OHM 5 % .25 W.CARBON FILM	EA
			ROH - R-25	
0023A			R93	
			ROH - R-25	
0024	00007.000	0972946-0041	RES FIX 100 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0024A			R50 R58 R69 R79 R100 R104	
			ROH - R-25	
0024B			R105	
			ROH - R-25	
0025	00001.000	0972946-0048	RES FIX 200 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0025A			R47	
			ROH - R-25	
0026	00003.000	0972946-0057	RES FIX 470 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0026A			R60 R71 R72	
			ROH - R-25	
0027	00011.000	0972946-0065	RES FIX 1.0K OHM 5% .25 W CARBON FILM	EA
			ROH - R-25	
0027A			R4 R17 R19 R21 R25 R31 R34	
			ROH - R-25	
0027B			R35 R37 R42 R103	
			ROH - R-25	
0028	00001.000	0972946-0058	RES FIX 510 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0028A			R96	
			ROH - R-25	

List of Materials

05/12/84

PART NUMBER REV DESCRIPTION.....
0994394-5001 V AUTO-INSERTED PARTS LIST FOR 994394-1

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0029	00004.000	0972946-0072	RES FIX 2.0K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0029A			R49 R63 R89 R92	
			ROH - R-25	
0030	00003.000	0972946-0073	RES FIX 2.2K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0030A			R67 R70 R41	
			ROH - R-25	
0031	00001.000	0972946-0082	RES FIX 5.1K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0031A			R90	
			ROH - R-25	
0032	00006.000	0972946-0089	RES FIX 10K OHM 5% .25 W CARBON FILM	EA
			1658- -000	
0032A			R3 R48 R61 R64 R65 R80	
			1658- -000	
0033	00001.000	0972946-0117	RES FIX 150K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0033A			R95	
			ROH - R-25	
0034	00001.000	0972946-0031	RES FIX 39.0 OHM 5 % .25 W.CARBON FILM	EA
			ROH - R-25	
0034A			R98	
			ROH - R-25	
0035	00003.000	0972947-0017	RES FIX 10 OHM 5 % .5 W CARBON FILM	EA
			ROH - R-50	
0035A			R16 R32 R36	
			ROH - R-50	
0036	00001.000	0972946-0053	RES FIX 330 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0036A			R44	
			ROH - R-25	
0037	00001.000	0972934-0012	DIODE,1N757A 9.1 V 5% SIL VOLT REG	EA
			CPL - 1N757A	
0037A			CR40	
			CPL - 1N757A	
0038	00004.000	0972763-0025	CAPACITOR,.10UF 50V FX,CERAMIC DIEL	EA
			COR CA-C03Z5U104Z050A	
0038A			C13 C20 C21 C22	
			CGR CA-C03Z5U104Z050A	
0039	00001.000	0538429-0020	COIL RF 220 UH 7.5 OHM 103 MA LT10K	EA
			CPL - MS90538-20	
0039A			L2	
			CPL - MS90538-20	
0040	00001.000	0418356-2344	CAP FIX 0.22 MF 50V 10% TANTALUM SOLID	EA
			SEE TI- DRAWING	
0040A			C12	
			SEE TI- DRAWING	
0041	00004.000	0972924-0018	CAP FIX TANT SOLID 6.8 UFD 10 % 35 VOLT	EA
			CPL -M39003/1-2304	
0041A			C14,C31,C32,C34	
			CPL -M39003/1-2304	
0042	00001.000	0972763-0013	CAP,FIXED .010UF 50 VOLTS	EA
			004222-MC105E103Z	
0042A			C6	
			004222-MC105E103Z	
0044	00001.000	0539468-0003	DIODE,1N4003 1AMP 200PIV RECTIFIER	EA
			TI - 1N4003	

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
0994394-5001	V	AUTO-INSERTED PARTS LIST FOR 994354-1

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0044A			CR24	
			TI - IN4003	
0045	00001.000	0972946-0015	RES FIX 8.2 OHM 5% .25W CARBON FILM	EA
			ROH - R-25	
0045A			R9	
			ROH - R-25	
0047	00001.000	0539370-0428	RES FIX FILM 2.80K OHM 1% .25 WATT	EA
			COR - NA55	
0047A			R26	
			COR - NA55	
0049	00001.000	0972946-0005	RES FIX 3.30 OHM 5 % .25 W CARBON FILM	EA
			1271- -000	
0049A			R94	
			1271- -000	
0050	00001.000	0972946-0043	RES FIX 120 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0050A			R6	
			ROH - R-25	
0051	00001.000	0972946-0063	RES FIX 820 OHM 5% .25 W CARBON FILM	EA
			ROH - R-25	
0051A			R22	
			ROH - R-25	
0052	00001.000	0972946-0139	RES FIX 1.2M OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0052A			R91	
			ROH - R-25	
0053	00001.000	0972947-0050	RES FIX 240 OHM 5% .5 W CARBON FILM	EA
			ROH - R-50	
0053A			R33	
			ROH - R-50	
0054	00001.000	0972947-0053	RES FIX 330 OHM 5% .5 W CARBON FILM	EA
			ROH - R-50	
0054A			R8	
			ROH - R-50	
0055	00001.000	0972947-0057	RES FIX 470 OHM 5% .5 W CARBON FILM	EA
			ROH - R-50	
0055A			R38	
			ROH - R-50	
0056	00001.000	0972947-0100	RES FIX 30 K OHM 5% .5 W CARBON FILM	EA
			ROH - R-50	
0056A			R40	
			ROH - R-50	
0057	00001.000	0972946-0062	RES FIX 750 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0057A			R18	
			ROH - R-25	

A 994395

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	LTR	DESCRIPTION	DATE	APPROVED
994310	8733	H	CN511484 (D) D MOSELEY	1-11-84	JD DODSON

PART NUMBER	DESCRIPTION
0994395-0024	CHAR SET KIT, SPH TEXT EDIT
-0023	SPH F ASC
-0020	KODAK FULL ASCII
-0019	U.S. F W/O VFC,-2 PROC/GREATER
-0017	CARS SPEC W/O VFC
0016	SPC KTKNA W/O VFC
0015	KATAKANA W/O VFC
0014	GER F ASC W/O VFC
0013	S/F F ASC W/O VFC
0012	D/N F ASC W/O VFC
0011	ENG F ASC W/O VFC
0010	U.S.F W/ or W/O VFC,-1 Proc only
0008	EXP L ASC W/O VFC
0004	GER L ASC W/O VFC
0003	S/F L ASC W/O VFC
0002	D/N L ASC W/O VFC
0994395-0001	CHAR SET KIT, ENG L ASC W/O VFC

REV	G		
SHEET	1.1		
REV STATUS OF SHEETS	REV	H	D
	SHEET	1	2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES
ANGLES ±1°
3 PLACE DECIMAL ±.010
2 PLACE DECIMAL ±.02

IDENTIFYING NUMBERS SHOWN IN PARENTHESES FOR REFERENCE ONLY

INTERPRET DWG IN ACCORDANCE WITH MIL-STD-100

DWN	DATE 1/3/77
CHK	2/17/77
ENGR	2/17/77
QA	1-17-77
APVD	12/20/76
CONTR NO	2/17/77
DESIGN ACTIVITY RELEASE	2/17/77

TEXAS INSTRUMENTS
INCORPORATED
Equipment Group Dallas, Texas

CHARACTER SET KIT

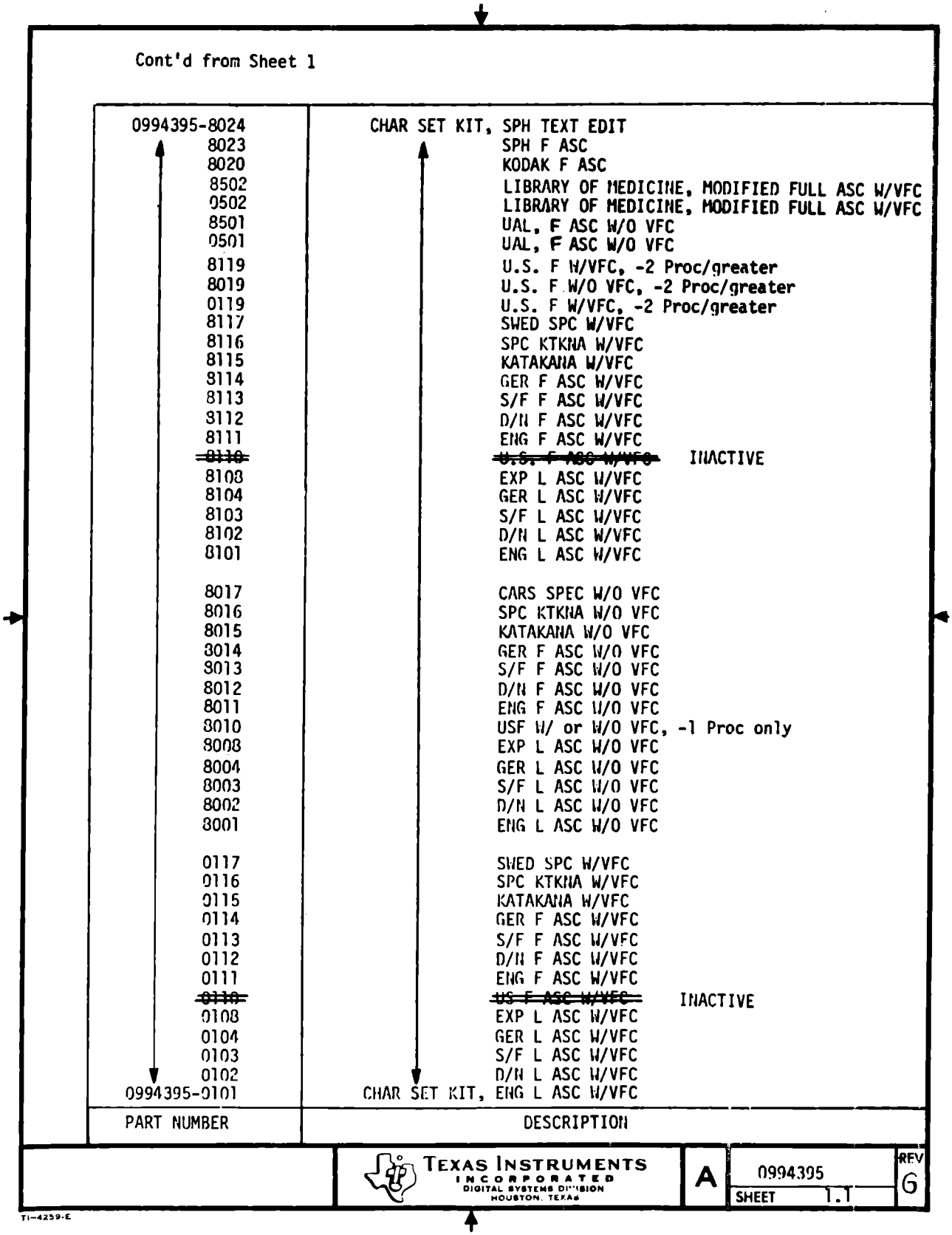
SIZE	CODE IDENT NO	DRAWING NO
A	96214	994395

SCALE NONE SHEET 1 OF 3

TI-0023-C

30

FILMED


Cont'd from Sheet 1
0994395-8024 CHAR SET KIT, SPH TEXT EDIT
8023 SPH F ASC
8020 KODAK F ASC
8502 LIBRARY OF MEDICINE, MODIFIED FULL ASC W/VFC
0502 LIBRARY OF MEDICINE, MODIFIED FULL ASC W/VFC
8501 UAL, F ASC W/O VFC
0501 UAL, F ASC W/O VFC
8119 U.S. F W/VFC, -2 Proc/greater
8019 U.S. F W/O VFC, -2 Proc/greater
0119 U.S. F W/VFC, -2 Proc/greater
8117 SWED SPC W/VFC
8116 SPC KTKNA W/VFC
8115 KATAKANA W/VFC
8114 GER F ASC W/VFC
8113 S/F F ASC W/VFC
8112 D/N F ASC W/VFC
8111 ENG F ASC W/VFC
8110 U.S. F ASC W/VFC INACTIVE
8108 EXP L ASC W/VFC
8104 GER L ASC W/VFC
8103 S/F L ASC W/VFC
8102 D/N L ASC W/VFC
8101 ENG L ASC W/VFC
8017 CARS SPEC W/O VFC
8016 SPC KTKNA W/O VFC
8015 KATAKANA W/O VFC
8014 GER F ASC W/O VFC
8013 S/F F ASC W/O VFC
8012 D/N F ASC W/O VFC
8011 ENG F ASC W/O VFC
8010 USF W/ or W/O VFC, -1 Proc only
8008 EXP L ASC W/O VFC
8004 GER L ASC W/O VFC
8003 S/F L ASC W/O VFC
8002 D/N L ASC W/O VFC
8001 ENG L ASC W/O VFC
0117 SWED SPC W/VFC
0116 SPC KTKNA W/VFC
0115 KATAKANA W/VFC
0114 GER F ASC W/VFC
0113 S/F F ASC W/VFC
0112 D/N F ASC W/VFC
0111 ENG F ASC W/VFC
0110 US F ASC W/VFC INACTIVE
0108 EXP L ASC W/VFC
0104 GER L ASC W/VFC
0103 S/F L ASC W/VFC
0102 D/N L ASC W/VFC
0994395-0101 CHAR SET KIT, ENG L ASC W/VFC
PART NUMBER
DESCRIPTION
TEXAS INSTRUMENTS
INCORPORATED
DIGITAL SYSTEMS DIVISION
HOUSTON, TEXAS
A
0994395
SHEET 1.1
REV 6
TI-4259-E

1.0 SCOPE

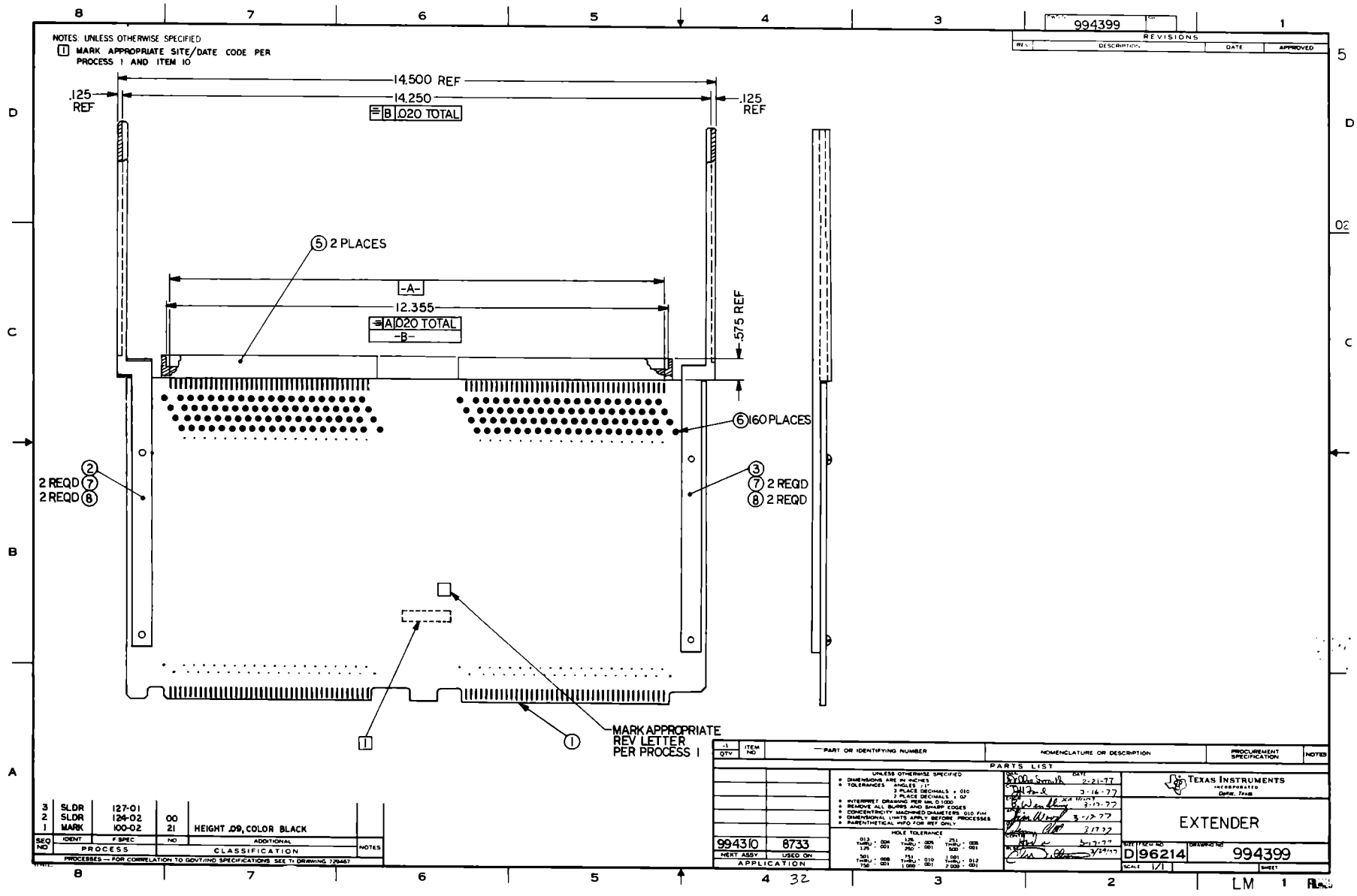
This document defines the kits necessary to produce optional character sets for the Model 810 Printer (994292, 994293). These kits consist of PROM's (and ROM's in the KATAKANA w/o VFC kits) which are added to the Processor Board Assy (994244-0002). The exceptions are -0010, 0110, 8010, and 8110, (Revision B only) which are added to the -0001 Processor Board.

The -8XXX kits designate field installed kits (spares).

*The dash number is assigned to the kits in such manner as to indicate whether the character set is LIMITED or FULL ASCII and whether the printer is with or without VFC option.

-000X -800X	LIMITED ASCII FOR PRINTERS W/O VFC
-001X -801X	FULL ASCII FOR PRINTER W/O VFC
-010X -810X	LIMITED ASCII FOR PRINTERS W/VFC
-011X -811X	FULL ASCII FOR PRINTERS W/VFC
-05XX -85XX	SPECIALS

* The exceptions are the -0010, 0110, 8010, and 8110 (Revision B only) kits which are FULL ASCII for printers with and without VFC for the -0001 Processor Board (994244).


NOTES: UNLESS OTHERWISE SPECIFIED
[1] MARK APPROPRIATE SITE/DATE CODE PER PROCESS 1 AND ITEM 10
14.500 REF
.125 REF
14.250
B .020 TOTAL
.125 REF
5 2 PLACES
-A-
12.355
A .020 TOTAL
-B-
.575 REF
6 160 PLACES
2 2 REQD
7 2 REQD
8 2 REQD
3
7 2 REQD
8 2 REQD
MARK APPROPRIATE REV LETTER PER PROCESS 1
1
994399
REVISIONS
REV DESCRIPTION DATE APPROVED
3 SLDR 127-01
2 SLDR 124-02 00
1 MARK 100-02 21 HEIGHT .09, COLOR BLACK
SEQ NO IDENT # SPEC NO ADDITIONAL NOTES
PROCESS CLASSIFICATION
PROCESSES — FOR CORRELATION TO GOVT/IND SPECIFICATIONS SEE TI DRAWING 729467
-1 QTY ITEM NO PART OR IDENTIFYING NUMBER NOMENCLATURE OR DESCRIPTION PROCUREMENT SPECIFICATION NOTES
PARTS LIST
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ANGLES ±1°
3 PLACE DECIMALS ± .010
2 PLACE DECIMALS ± .02
INTERPRET DRAWING PER MIL-D-1000
REMOVE ALL BURRS AND SHARP EDGES
CONCENTRICITY MACHINED DIAMETERS .010 FIM
DIMENSIONAL LIMITS APPLY BEFORE PROCESSING
PARENTHETICAL INFO FOR REF ONLY
HOLE TOLERANCE
994310 8733
NEXT ASSY USED ON
APPLICATION
DRN D.D. Smith 2-21-77
CHK D.W. Zeh 2-16-77
ENGR E.W. Wesley 3-17-77
PROJ Jim Wood 3-17-77
QUAL 3-17-77
MFG 5-17-77
ENGR 3/29/77
TEXAS INSTRUMENTS INCORPORATED DALLAS, TEXAS
EXTENDER
SIZE D 96214 DRAWING NO 994399
SCALE 1/1 SHEET
8 7 6 5 4 3 2 1
A B C D
LM

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
0994397-0001	*	EXTENDER

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994398-0001	PWB,EXTENDER	EA
0002	00001.000	0994178-0001	STIFFNER,EXTENDER CARD-LEFT 1680-1178-000	EA
0003	00001.000	0994178-0002	STIFFNER,EXTENDER CARD-RIGHT 1680-2178-000	EA
0005	00002.000	0231257-0009	CONNECTOR PC 80 PIN 011769-00-6313-080-65	EA
0006	00160.000	0411226-C002	TERMINAL,STUD	EA
0007	00004.000	0972988-0027	SCREW 6-32 X .312 PAN HEAD CRES	EA
0008	00004.000	0411101-0058	LOCKWASHER #6 EXTERNAL TOOTH CRES CPL - MS35335-58	EA
0010	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA

A 994402

APPLICATION	
NEXT ASSY	USED ON
994310	8733

NOTE: -8001 KIT IS FOR FIELD INSTALLATION

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	№421551(D) A.CLARK 1/12/77	1/19/77	Iverson
B	CN426136 L. Piercey	7-25-77	Ford
C	CN457271 (D) S Dodson	8-20-80	S Dodson
D	CN457598 (D) S Dodson	12-13-80	S Dodson
E	CN465773(D) S Dodson	3-23-81	S Dodson
F	CN466120(D) S Dodson	5-8-81	S Dodson
G	CN491932(D) D Howard	7-14-82	M Kerch
	(1) ADDED SH 2		
H	CN504888(D) D MOSELEY	8-19-83	JD DODSON
J	CN513887(C) D HOWARD	12-8-83	R. Karl

PART NUMBER	DESCRIPTION
994402-8001	TTY I/F KIT
994402-0001	KIT, CURRENT LOOP, I/F (TTY), 810

REV STATUS OF SHEETS			
REV		J	J
SHEET	1	2	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES
ANGLES ±1°
3 PLACE DECIMAL ±.010
2 PLACE DECIMAL ±.02

IDENTIFYING NUMBERS SHOWN IN PARENTHESES FOR REFERENCE ONLY

INTERPRET DWG IN ACCORDANCE WITH MIL-STD-100

		DATE
DWN	Clifford J. Clark	1/12/77
CHK	Iverson	1/19/77
ENGR	L. Piercey	1/20/77
PM		1/13/77
APVD		1-13-77
CONTR NO		1/13/77
DEPT OF DEFENSE ACTIVITY RELEASE		2/2/77

TEXAS INSTRUMENTS
INCORPORATED
Equipment Group Dallas, Texas

KIT, CURRENT LOOP I/F (TTY), 810

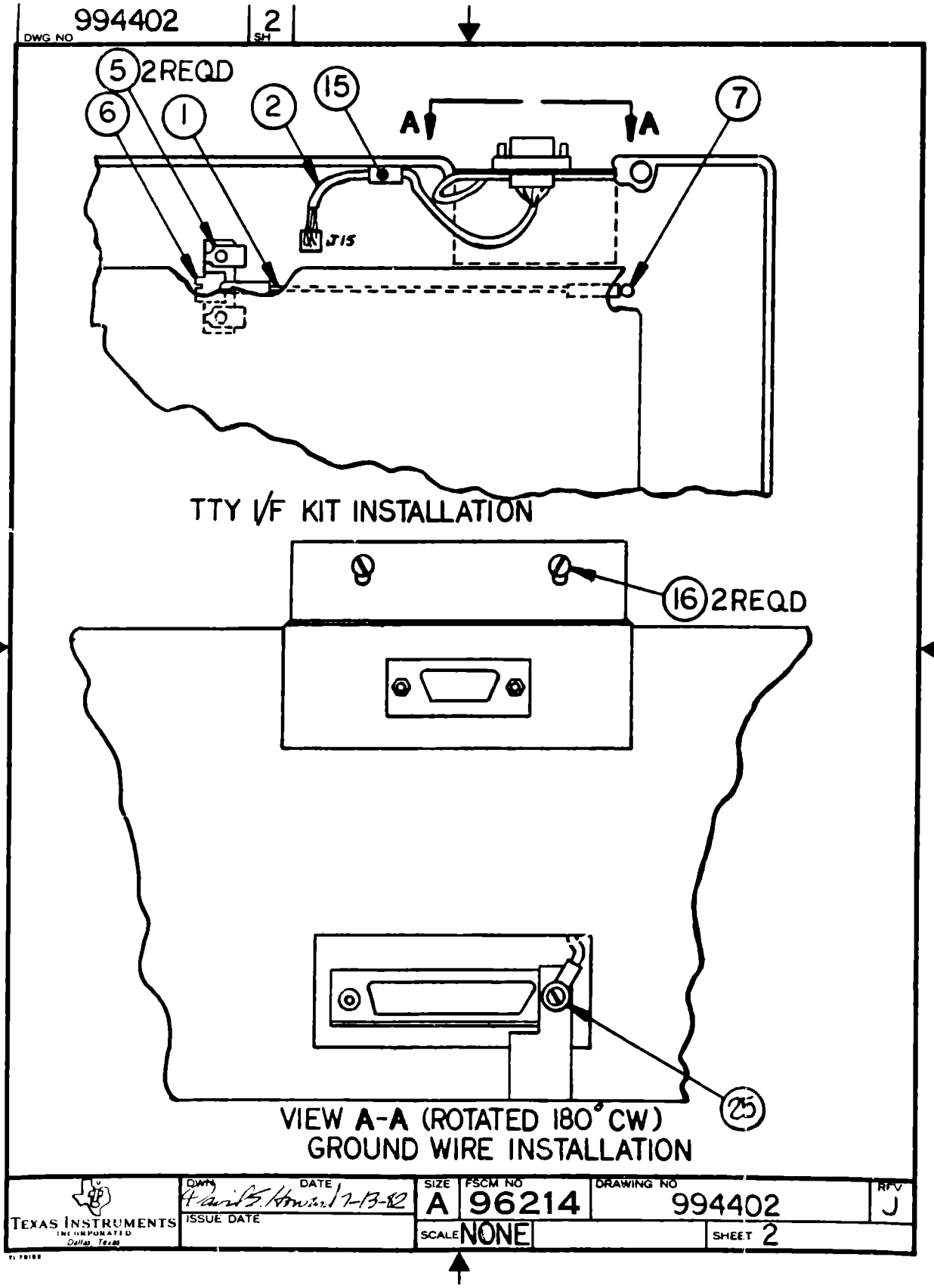
SIZE	CODE IDENT NO	DRAWING NO
A	96214	994402

SCALE NONE SHEET 1 OF 2

TI-9983-C

300

LM


DWG NO 994402
SH 2
5 2 REQD
6
1
2
15
A
A
7
J15
TTY I/F KIT INSTALLATION
16 2 REQD
25
VIEW A-A (ROTATED 180° CW)
GROUND WIRE INSTALLATION
TEXAS INSTRUMENTS
INCORPORATED
Dallas, Texas
DWN
DATE 7-13-82
ISSUE DATE
SIZE A
FSCM NO 96214
DRAWING NO 994402
REV J
SCALE NONE
SHEET 2

List of Materials

01/28/84

PART NUMBER REV DESCRIPTION.....
0994402-0001 J KIT, CURRENT LOOP, I/F (TTY),810

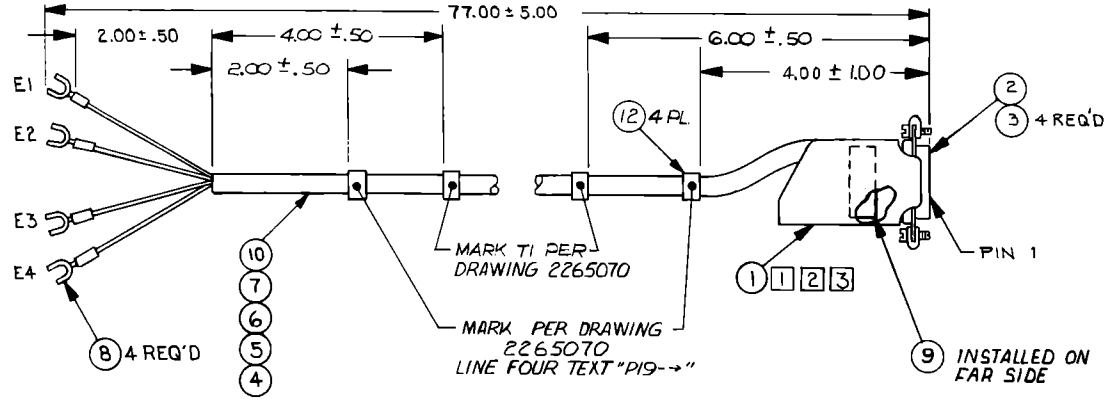
ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	2230497-0001	PWB ASSY, 20MA TTY, 810 1225-1497-004	EA
0002	00001.000	0994361-0001	CABLE ASSY, TTY INTERFACE, 810 1225-1361-051	EA
0005	00002.000	0996225-0001	FASTENER,PUSHNUT,REMOVABLE .185/.190 DIA PAL - PZ001935	EA
0006	00001.000	0994294-0001	CARD GUIDE,CENTER 1255-0028-013	EA
0007	00000.007	0231792-0004	COLOR DOT,YELLOW.250 DIA. 085480-QD25 YELLOW	SH
0012	REF	2230792-9701	INSTALLATION INSTRUCTION,TTY - 810	EA
0015	00001.000	0996729-0001	CLIP,RETAINING,ADHESIVE BACKED 034785-022-0500	EA
0016	00002.000	2210084-0014	SEMS,PNH, SLTD, EXT TOOTH 32UNC-2A,.375L	EA
0017	00001.000	0539409-0001	CONNECTOR, RACK & PANEL, PLUG, 9POS	EA
0018	00005.000	0539430-0003	CONTACT,PIN 24-20AWG .068 INSUL DIA AMP -205202-2 ST	EA
0019	00001.000	2210305-0001	HOOD STRN RLF 45/180DEG,BULK PK 9 POS 000779-2-206478-0	EA
0021	00000.000	0411101-0057	LOCKWASHER # 4 EXTERNAL TOOTH CRES QPL - MS35335-57	EA
0021A			*TO BE USED WITH ITEM 22 QPL - MS35335-57	
0022	00000.000	0972988-0013	SCREW 4-40 X .250 PAN HEAD CRES	EA
0022A			*ALTERNATE TO ITEM 25	
0022B			*REQUIRES ITEM 21	
0023	00000.000	0994305-0001	CURRENT LOOP I/F OPTION, 810 1225-1305-034	EA
0023A			*ALTERNATE TO ITEM 1 1225-1305-034	
0024	00000.000	0994411-9701	MANUAL,TTY I/F INSTALLATION 1225-1411-000	EA
0024A			*USED WITH ITEM 23 1225-1411-000	
0025	00001.000	2210084-0002	SEMS SCREW, 4-40X1/4 EXT. TOOTH 1221-2134-000	EA

NOTES, UNLESS OTHERWISE SPECIFIED:
1. CABLE CLAMP SCREWS AND RETAINER CLIPS INCLUDED WITH ITEM 1.
2. RETAINER CLIP INSTALLED WITH THREADED HOLE ON SAME SIDE AS SCREW HEAD
3. SCREWS MUST BE THREADED COMPLETLY THRU RETAINER CLIP

WIRE NO.	DESCRIPTION	TOTAL LENGTH	SIGNATURE	START STA.	FINISH STA.	REMARKS	ITEM NO.
1	22 AWG GREEN	77	TTYXMTD/R	P19-2	E1		4
2	22 AWG WHITE	77	TTYXMTD	P19-1	E2		4
3	22 AWG RED	77	TTYRCVD	P19-5	E3		4
4	22 AWG BLACK	77	TTYRCVD/R	P19-4	E4		4

WIRE LIST FOR CABLES PRIOR TO REV F

1	22 AWG BRN/WHT	77	TTYXMTD/R	P19-2	E1
2	22 AWG ORN/WHT	77	TTYXMTD	P19-1	E2
3	22 AWG YEL/WHT	77	TTYRCVD	P19-5	E3
4	22 AWG GRN/WHT	77	TTYRCVD/R	P19-4	E4



REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED
	A	423233 (D) R. Castle 1-21-77	1/21/77	Hanson
		FORMAL RELEASE		
	B	CN423623 Larry Key 1) ITEM 9 WAS LOCATED 2.00 ± .50 FROM BASE OF P19 (2) ADDED TRUE LENGTH REF TO ITEM 10	5-2-77	
	C	CN426133 J. Flowers (1) DELE 73.5 TRU LGTH DIM FROM ITEM 10 CALLOUT ON F/D (2) REDREW P19 & RELOCATED PIN 1 CALLOUT TO BOTTOM OF P19	7-25-77	
	D	CN434167 (E) R. Dalman (1) ITEMS 8 + 10 WERE '232361-2 + 411634-2600 RESP	9/2[illegible]	
	E	CN439015 (D) J.B. [illegible] (1) ITEM 9 QTY WAS 5.0 (2) ADDED DIMS FOR ITEMS	9/2[illegible]	
	F	CN459601 (L) [illegible] (1) REVISED WIRING LIST (2) DELETED ITEMS 5, 6, 7, 10 [illegible] 3199	12/5/79	
	G	CN477828 (D) J. Higginbotham (1) ON LM: DELETED ITEM 9; ADDED ITEM 12 (2) ZN B-2: DELETED "MARK PER PROCESS 2" (3) ZN C-3: "MARK TI..." WAS "MARK TI PER PROCESS 1" (4) ZN B-3 "MARK PER..." WAS "MARK APPROPRIATE P/N & REV. LETTER PER PROCESS 1" (5) ZN C-2: DELETED "P19"	3/[illegible]	
	H	CN495456 (D) M. DURHAM (1) ADDED ITEM 9	9-9-82	

SEQ NO	IDENT	F-SPEC	NO	ADDITIONAL CLASSIFICATION
2	MARK	100-07	712	CLR WHITE TYPE 9
1	MARK	100-07	712	CLR BLACK TYPE 6

FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 729467

PARTS LIST

QTY REQD -2	QTY REQD -1	ITEM NO	CODE IDENT	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION

UNLESS OTHERWISE SPECIFIED
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIR
- DIMENSIONAL LIMITS APPLY BEFORE FINISH PROCESSING
- IDENTIFYING NUMBERS SHOWN IN PARENTHESES FOR REFERENCE ONLY
- INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100

HOLE TOLERANCE

.013 THRU .125 ± .004 ± .001	.126 THRU .250 ± .005 ± .001	.251 THRU .500 ± .006 ± .001
.501 THRU .750 ± .008 ± .001	.751 THRU 1.000 ± .010 ± .001	1.001 THRU 2.000 ± .012 ± .001

994402	8733
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES: ANGLES ± 1° 3 PLACE DECIMALS ± .010 2 PLACE DECIMALS ± .02

DWN	Debbie Smith 1-14-77
CHK	Warren C. Hanson 1/21/77
ENGR	[illegible] 1/25/77
QA	[illegible] 1/25/77
APVD	[illegible] 1/25/77
CONTR NO.	[illegible] 1/31/77
DESIGN ACTIVITY RELEASE	2/2/77

TEXAS INSTRUMENTS INCORPORATED
Equipment Group Dallas, Texas

CABLE ASSEMBLY, CURRENT LOOP

SIZE	CODE IDENT NO	DRAWING NO
C	96214	994403

SCALE NONE SHEET

994403 C B

9-177

340

LM

FILMED

List of Materials

01/28/84

PART NUMBER	REV	DESCRIPTION
0994403-0001	H	CABLE ASSY, CURRENT LOOP

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2210305-0001	HOOD STRN RLF 45/180DEG,BULK PK 9 POS 000779-2-206478-0	EA
0002	00001.000	0539409-0001	CONNECTOR, RACK & PANEL, PLUG, 9POS	EA
0003	00004.000	0539430-0003	CONTACT,PIN 24-20AWG .068 INSUL DIA AMP -205202-2 ST	EA
0004	00006.500	0972444-0011	CABLE,4 COND 22 GA .195 OD 092194-5004	FT
0008	00004.000	0232358-0001	LUG,CRIMP,22-16 AWG,SPADE,STRIP-FORM 000779-2-32562-1	EA
0009	00001.000	0962571-0005	PLATE, ID, EDP CABLE	EA
0011	REF	0983407-9901	TEST PROG,MC810 TTY OPTION CABLE-OMNI	EA
0012	00001.000	2210317-0001	LABEL,BLANK,CABLE MARKER 085480-SLPF-19319-4	EA

A 994445

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	LTR	DESCRIPTION	DATE	APPROVED
994310	8733	A	CN459685(D) [signature]	9/17/79	[signature]
		B	CN454986(D) S Dodson	2-25-80	S Dodson

5

02

PART NO.	DESCRIPTION
994445-8001	BAUD RATE OPTION- FIELD INSTALLED
994445-0001	BAUD RATE OPTION

REV		
SHEET		
REV STATUS OF SHEETS	REV	B, A
	SHEET	1, 2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ANGLES ±1° 3 PLACE DECIMAL ±.010 2 PLACE DECIMAL ±.02	DWN [signature] DATE 3/23/77	TEXAS INSTRUMENTS INCORPORATED Equipment Group Dallas, Texas
	CHK [signature] 1-19/78	
IDENTIFYING NUMBERS SHOWN IN PARENTHESES FOR REFERENCE ONLY	ENGR [signature] 7/20/77	BAUD RATE OPTION
INTERPRET DWG IN ACCORDANCE WITH MIL-STD-100	QA [signature] 2/10/78	
	APVD [signature] 7/20/77	
	CONTR NO [signature] 7/20/77	SIZE A — CODE IDENT NO 96214 — DRAWING NO 994445
	DESIGN ACTIVITY RELEASE 3/6/78 [signature]	SCALE NONE — SHEET 1 OF 2

FILMED

1-9923-C 30

LM

1.0 SCOPE:

THIS DOCUMENT DEFINES THE KIT NECESSARY TO PRODUCE OPTIONAL BAUD RATES OF 110, 200, 300, 1200, 2400, 600, AND 9600 FOR THE MODEL 810 PRINTER (994292 , 994293). THIS KIT CONSISTS OF A TMS 5504 I/O AND TIMER DEVICE WHICH REPLACES THE TMS 5501 I/O AND TIMER DEVICE. ~~THE BAUD RATE LABEL (994450) IS ALSO INCLUDED WHICH COVERS THE BAUD RATE PORTION OF THE STANDARD INSTRUCTION LABEL (994352) WHEN THIS KIT IS INSTALLED IN AN 810 SYSTEM.~~

List of Materials

01/28/84

PART NUMBER	REV	DESCRIPTION
0994445-0001	B	BAUD RATE OPTION

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0972469-0002	NETWORK TMS5504,I/O AND TIMER TI -TMS5504	EA
0002	REF	0994446-9701	MANUAL,BAUD RATE OPTION INSTALLATION	EA

01/28/84

PART NUMBER	REV	DESCRIPTION
0994445-8001	B	BAUD RATE OPTION,FIELD INSTAL

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0972469-0002	NETWORK TMS5504,I/O AND TIMER TI -TMS5504	EA
0002	00001.000	0994446-9701	MANUAL,BAUD RATE OPTION INSTALLATION	EA
0004	00001.000	0994351-0001	LABEL,CONFIGURATION 1225-1351-000	EA

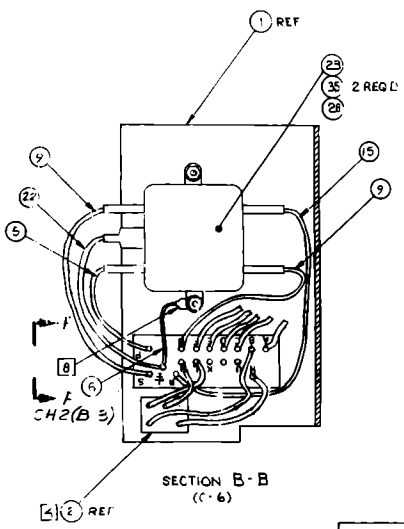
DWG NO 994461 SH 1

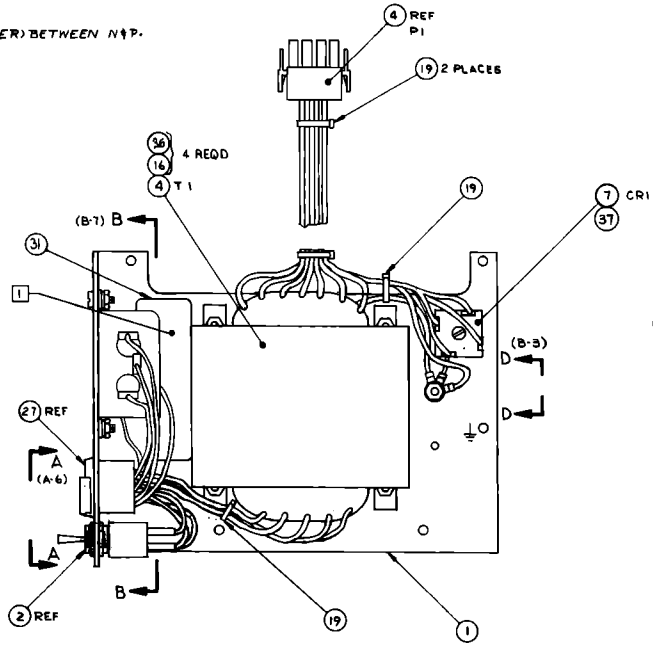
NOTES: UNLESS OTHERWISE SPECIFIED:

1. MARK ... PER 994396-9901 (ITEM 17) PARAGRAPH 3.6. MARKING TO BE TYPED OR ALTD PRINTED
2. MOUNTING HARDWARE SUPPLIED WITH PART
3. INSTALL SWITCH PLATE SUPPLIED WITH SWITCH (ITEM 2) ORIENTED AS SHOWN
4. SHRINK TUBING AFTER CONNECTING WIRES TO TERMINALS, AS REQUIRED ON ITEM 2.
5. ADD ITEM 32 (JUMPER) BETWEEN R + S.
6. ADD ITEM 33 (JUMPER) BETWEEN N & P.

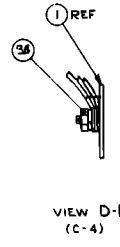
REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	LM UPDATED	7-12-77	
B	CN429745 (1) ITEM 2 QTY WAS 1 (2) ITEM 3 QTY WAS 0 (3) NOTE 1 WAS "MARK ASSEMBLY NO, SITE/DATE CODE ... ," 3.0"	1-14-78	
C	CN439921 (D) (1) LM-ITEM 13 QTY WAS 9, ADD ITEMS 29, 30 AND 30A (2) REVISED F/D VIEW D-D, VIEW C-C AND ZONE C-3	3/4/78	
D	CN440355 (C) (1) QTY ITEM 19 WAS 8 (2) REVISED F/D	3/14/78	
E	CN434189 (C) (1) REVERSED WIRES AT PIN H + PIN J	3/28/78	
F	CN 440360 (D) (1) ADDED (1) ZONE B-7 CHANGED PICTORIAL OF ITEM 6. (2) ON LM-0001 CHANGED QUANTITY OF ITEM 13 FROM 9 TO 7 AND ITEM 14 FROM 6 TO 5 (3) REMOVED VIEW C-C IN ZONE A-5 (4) REV PICTORIAL OF ITEM	7/26/78	
G	CN438307 (D) J.B. PEPP (1) ON LM-0001 "EA" 2 QTY WAS 0.0 ; ITEM 3 QTY WAS 1.0	9/14/79	
H	CN439851 (C) (1) ADDED NOTE 4 TO NOTES AND F/D	11/11/79	
J	CN469095 (C) (1) ADDED ITEM 31 TO LM # DWG (2) DELETED PROCESS 1 (3) REVISED NOTE 1	2-27-80	
K	CN457243 (D) (1) ITEM 9 QTY WAS 9	9-3-80	
L	CN457957 (D) (1) REV PER EXT ENG CHANGES	12/15/80	
M	CN477271 (D) D. STARNES (1) ADDED -2 (2) REV PER EXT ENG CHANGES	5-8-81	
N	CN 472320 (D) (1) Kranich (1) REV PER EXT ENG CHANGES	7/20/81	
P	CN 457267 (D) (1) REV (1) ON ALL LM'S: CHNGD IT 30 FROM 0416434-0004, FUSE 2.5 AMP TO 0416434-0503, FUSE 5.0 A. (2) ON LM-0002 LM'S: IT 27 WAS 0998148-0007, AND IT 28 & 38A (CONT SH 2 ZONE D-2))	11-12-81	
R	CN 477467 (D) (1) REV SECTIONS B-B, H-H (2 B-B, SH 1, 2 B-B SH 2) RESPECTIVELY TO SHOW NOTE 8. (2) ADDED NOTE 8.	11-12-81	
T	CN479154 (D) (1) ON LM-0001 & -0002 LM'S: IT 27 WAS 0998148-0007, AND IT 28 & 38A	11-12-81	

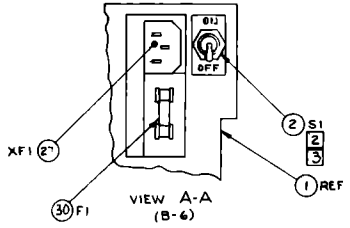




-0001 ASSEMBLY



VIEW D-D
(C-4)



VIEW A-A
(B-6)

994461-8002	AC POWER MOD ASSY W/Y-Y CAP -8
994461-8001	AC POWER MODULE ASSY
994461-0002	AC POWER MOD ASSY W/X-Y CAP
994461-0001	AC POWER MOD ASSY W/EMI FILTER
PART NUMBER	DESCRIPTION

PARTS LIST

QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES
2		SLDR	127-01	00	
1		MARK	100-02	21	WEIGHT -12, COLOR BLACK

SEQ NO | IDENT | F-SPEC | NO | ADDITIONAL | NOTES
PROCESS | CLASSIFICATION

PROCESSES — FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 728487

REV STATUS OF SHEETS | REV | SHEET | NO. OF SHTS 1 2

994329 | 8733
NEXT ASSY | USED ON
APPLICATION

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES: ANGLES ±1°; 3 PLACE DECIMALS ± .010; 2 PLACE DECIMALS ± .02
- INTERPRET DRAWING PER MIL-D-1000
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIM
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

.013 THRU .128 +.004 -.001	.128 THRU .251 +.005 -.001	.251 THRU .501 +.006 -.001
.501 THRU 1.000 +.008 -.001	.751 THRU 1.000 +.010 -.001	1.001 THRU 2.000 +.012 -.001

DRAWN 6/23/77
CHECK 7/6/77
ENGR 8/12/77
MFG 8/12/77
QA 8/12/77
DESIGN 8/17/77

TEXAS INSTRUMENTS INCORPORATED Dallas, Texas

AC POWER MODULE ASSEMBLY, 810

SITE | FROM NO D96214 | DRAWING NO 994461
SCALE 1/1 | SHEET OF 2

LM

DWG. NO 994461 SH 2

U	CN486867 (D) J. TAGLIARINO 1-4-82
	11 REVISED PER EXT ENG CHANGES
V	CN486903 (D) JOANN TAGLIARINO 2-25-82
	1) ON-0002 LM DELETED ITEMS 5 & 22
W	CN500734 (D) D HOWARD 8-6-82
	(1) ON-1 & -2 LMS: CHG IT 13 QTY FROM 6 TO 4
	(2) SH 1 & 2, B-5: DELETED TWO TIE WRAPS EACH
Y	CN497750 (D) TRUNYON (I) REVISED NOTE 7 (2) 2DA-ED 7 EIN-82
AA	CN497225 (D) TRUNYON ADDED TO 4-30-83

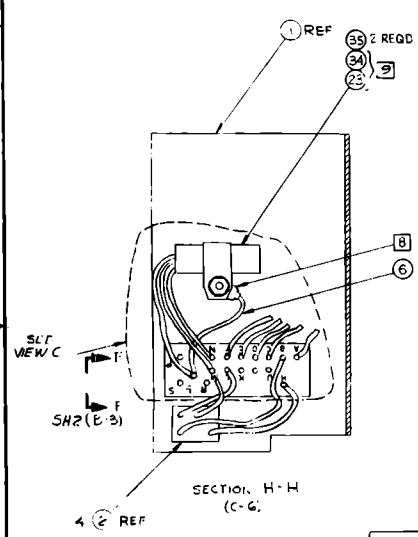
TITLE (2) ITEMS 32 & 33 ON ASSEMBLY 221CE7-0002 PER 241400-0020 (3) REV NOTES 5 & 6

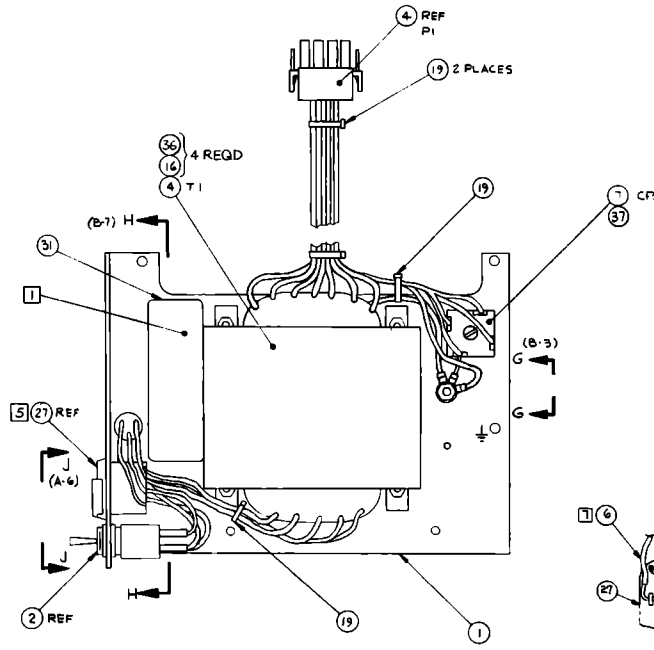
NOTES: CONTINUED FROM SHEET 1

7. THE AC POWER-GND JUMPER ITEM 6 MUST BE INSERTED THROUGH THE GROUND LUG TERMINAL OF INSEL CONNECTOR ITEM 27 AND FOLDED BACK AS SHOWN IN VIEW J-J. THIS WIRE MUST BE SECURELY FASTENED BEFORE SOLDERING. THIS IS A CSA REQUIREMENT.

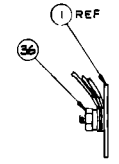
8. INSTALL GROUND LUG BEHIND FILTER MOUNTING TAB SECURE WITH ITEM 35. INSTALL FILTER ITEM 23 AND FILTER CLAMP ITEM 34) SECURE WITH ANOTHER ITEM 35

9. CONNECT ALL THE SIMILAR COLORED WIRES TOGETHER SIMILARLY CONNECT THE GREEN/YELLOW WIRES TO R. SOLDER

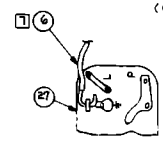




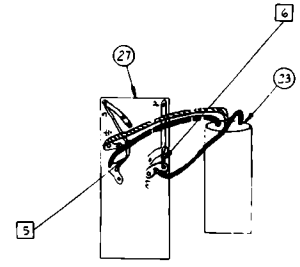
-0002 ASSEMBLY



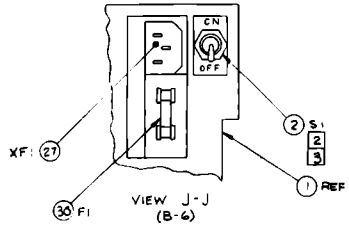
VIEW G-G
(C-4)



VIEW F-F
SH1 (B-8)
SH2 (B-8)



VIEW C
ROTATED 90° CW



VIEW J-J
(B-6)

TEXAS INSTRUMENTS	DSN	DATE 4-8-81	SIZE D	FSCM NO 96214
	ISSUE DATE		SCALE 1/1	DRAWING NO 994461 REV Y
				SHEET 2

List of Materials

01/28/84

PART NUMBER	REV	DESCRIPTION
0994461-0001	AA	AC POWER MOD ASSY,W/EMI FILTER

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994473-0001	BASE, AC POWER MODULE	EA
			1680-0473-041	
0002	00001.000	0994463-0001	SWITCH ASSY	EA
			1225-1463-000	
0002A			S1	
			1225-1463-000	
0003	00000.000	0994464-0001	SWITCH ASSY	EA
			1225-1464-000	
0003A			*ALTERNATE FOR ITEM 2	
			1225-1464-000	
0004	00001.000	0994455-0001	TRANSFORMER,POWER ISOLATION 50-60HZ	EA
			000159-T-76237	
0004A			T1	
			000159-T-76237	
0005	00001.000	0994368-0001	JUMPER,AC POWER-TRANSFORMER 3.00LG	EA
			1225-1368-039	
0006	00001.000	0994388-0002	JUMPER,AC POWER-GND 3.50 LG	EA
			1225-2388-083	
0007	00001.000	0996319-0001	RECTIFIER BRIDGE,FULL WAVE,15 AMPERE	EA
0007A			CR1	
0008	00000.000	0996320-0001	RECTIFIER,BRIDGE,FULL WAVE,12 AMPERE	EA
			MOT - MDA-980-2	
0008A			*ALTERNATE FOR ITEM 7	
			MOT - MDA-980-2	
0009	00002.000	0994368-0002	JUMPER,AC POWER- TRANSFORMER 4.00LG	EA
			1225-2368-050	
0010	REF	0994462-9901	ELECTRONIC SCHEMATIC DIAGRAM,AC PWR MDL	EA
0015	00001.000	0994368-0003	JUMPER,AC POWER- TRANSFORMER 5.50LG	EA
			1225-3368-044	
0016	00004.000	0416622-0024	WASHER #8 FLAT	EA
			QPL - AN960C8L	
0017	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0019	00004.000	0418212-0040	STRAP,TIEDOWN,ADJUSTABLE,PLASTIC	EA
			QPL - MS3367-4-9	
0021	REF	0997021-9901	TEST PROCEDURE,AC P/S	EA
0022	00001.000	0994368-0004	JUMPER,AC POWER- TRANSFORMER 4.00LG	EA
			1225-4368-029	
0023	00001.000	0996614-0001	FILTER,EMI	EA
			005245-3K1	
0026	REF	0994467-9901	WIRE LIST,PT.TO PT. AC POWER MODULE	EA
0027	00001.000	0996198-0011	CONNECTOR,FUSED W/LABEL	EA
			SEE TI- DWG.	
0027A			XF1	
			SEE TI- DWG.	
0028	00001.000	0972988-0028	SCREW 6-32 X .375 PAN HEAD CRES	EA
			1208- -000	
0030	00001.000	0416434-0503	FUSE 5.0 A 250V 3AG	EA
			LIT - 312005	
0030A			F1	
			LIT - 312005	
0031	00001.000	0232208-7000	LABEL 1X3INS RECTL SELF-ADHESIVE	EA
			016956-43551	
0035	00002.000	2210006-0002	ASSY, HEX NUT, LOCKWASHERS	EA
			092550-SEE DRAWING	

List of Materials

01/28/84

PART NUMBER	REV	DESCRIPTION
0994461-0001	AA	AC POWER MOD ASSY,W/EMI FILTER

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0036	00005.000	2210006-0003	ASSY,HEX NUT,LOCKWASHERS, 8-32 092550-SEE DRAWING	EA
0037	00001.000	2211692-0013	SEMS,6-32X.625,PAN HEAD,CONE WASHER SEE TI- DRAWING	EA
0038	00000.000	0996198-0019	CONNECTOR, FUSED 500/5A/2.5A 005245-85-15	EA
0038A			*ITEM 38 MAY BE USED AS AN 005245-85-15	
0038B			*ALT FOR ITEM 27. THE LABEL 005245-85-15	
0038C			*MUST BE REMOVED ON 120V 005245-85-15	
0038D			*MACHINES 005245-85-15	

01/28/84

PART NUMBER	REV	DESCRIPTION
0994461-0002	AA	AC POWER MOD ASSY,W/X-Y CAP

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994473-0001	BASE, AC POWER MODULE 1680-0473-041	EA
0002	00001.000	0994463-0001	SWITCH ASSY 1225-1463-000	EA
0002A			S1 1225-1463-000	
0003	00000.000	0994464-0001	SWITCH ASSY 1225-1464-000	EA
0003A			*ALTERNATE FOR ITEM 2 1225-1464-000	
0004	00001.000	0994455-0001	TRANSFORMER,POWER ISOLATION 50-60HZ 000159-T-76237	EA
0004A			T1 000159-T-76237	
0006	00001.000	0994388-0002	JUMPER,AC POWER-GND 3.50 LG 1225-2388-083	EA
0007	00001.000	0996319-0001	RECTIFIER BRIDGE,FULL WAVE,15 AMPERE	EA
0007A			CR1	
0008	00000.000	0996320-0001	RECTIFIER,BRIDGE,FULL WAVE,12 AMPERE MOT - MDA-980-2	EA
0008A			*ALTERNATE FOR ITEM 7 MOT - MDA-980-2	
0010	REF	0994462-9901	ELECTRONIC SCHEMATIC DIAGRAM,AC PWR MDL	EA
0016	00004.000	0416622-0024	WASHER #8 FLAT QPL - AN960C8L	EA
0017	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0019	00004.000	0418212-0040	STRAP,TIEDOWN,ADJUSTABLE,PLASTIC QPL - MS3367-4-9	EA
0021	REF	0997021-9901	TEST PROCEDURE,AC P/S	EA
0023	00001.000	2210844-0001	CAP,X-Y, X=.05UF, Y=2500PF, 20% SEE TI- DRAWING	EA

List of Materials

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PART NUMBER	REV	DESCRIPTION
0994461-0002	AA	AC POWER MOD ASSY,W/X-Y CAP

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0026	REF	0994467-9901	WIRE LIST,PT.TO PT. AC POWER MODULE	EA
0027	00001.000	0996198-0011	CONNECTOR,FUSED W/LABEL	EA
			SEE TI- DWG.	
0027A			XF1	
			SEE TI- DWG.	
0030	00001.000	0416434-0503	FUSE 5.0 A 250V 3AG	EA
			LIT - 312005	
0030A			F1	
			LIT - 312005	
0031	00001.000	0232208-7000	LABEL 1X3INS RECTL SELF-ADHESIVE	EA
			016956-43551	
0032	00001.000	0941408-0504	WIRE, PREPPED, 1.75 INCH LONG	EA
			1225-8504-005	
0033	00001.000	0941408-0501	WIRE, PREPPED, 1.00 INCH LONG	EA
			1225-8501-005	
0034	00001.000	0085913-0008	CLAMP 1/2 PLASTIC CABLE	EA
0035	00002.000	2210006-0002	ASSY, HEX NUT, LOCKWASHERS	EA
			092550-SEE DRAWING	
0036	00005.000	2210006-0003	ASSY,HEX NUT,LOCKWASHERS, 8-32	EA
			092550-SEE DRAWING	
0037	00001.000	2211692-0013	SEMS,6-32X.625,PAN HEAD,CONE WASHER	EA
			SEE TI- DRAWING	
0038	00000.000	0996198-0019	CONNECTOR, FUSED 500/5A/2.5A	EA
			005245-85-15	
0038A			*ITEM 38 MAY BE USED AS AN	
			005245-85-15	
0038B			*ALTERNATE FOR ITEM 27. THE	
			005245-85-15	
0038C			*LABEL MUST BE REMOVED ON	
			005245-85-15	
0038D			*120V MACHINES	
			005245-85-15	
0039	00000.000	2210083-0004	WIRE,ELEC,SOLID COND,W/L STYLE 1213	FT
			SEE TI- DRAWING	
0039A			*MAY BE USED AS A	
			SEE TI- DRAWING	
0039B			*SUBSTITUTE FOR ITEM 32	
			SEE TI- DRAWING	
0040	00000.000	0411400-0022	WIRE 22AWG ELETRO-TIN-PLATED,COPPER	FT
			- - -000	
0040A			*MAY BE USED AS A	
			- - -000	
0040B			*SUBSTITUTE FOR ITEM 33	
			- - -000	

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PART NUMBER	REV	DESCRIPTION
0994461-8001	AA	AC POWER MODULE ASSEMBLY

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994461-0001	AC POWER MOD ASSY,W/EMI FILTER	EA
			1225-1461-111	

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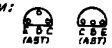
PART NUMBER	REV	DESCRIPTION
0994461-8002	AA	AC POWER MOD ASSY,W/X-Y CAP - SPARES

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994461-0002	AC POWER MOD ASSY,W/X-Y CAP	EA
			1225-1461-201	

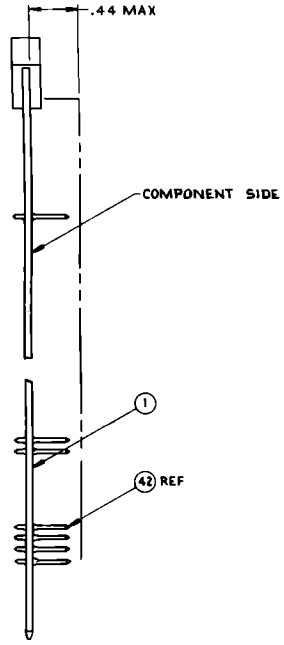
DWG NO 994503 REV 1

NOTES: UNLESS OTHERWISE SPECIFIED:

1. CLINCHING COMPONENT LEADS IS OPTIONAL
2. DO NOT SOLDER ON COMPONENT SIDE
3. MAXIMUM LEAD LENGTH FROM CONDUCTOR SIDE OF BOARD IS .075
4. ALTERNATE METHOD FOR NOTE 17. MARK SITE/DATE CODE ON ASSEMBLY IN LOCATION INDICATED PER 994396 (ITEM 53) PARAGRAPH 4.0 AND PROCESS 3
5. FOR REVISION E AND ABOVE: TO ENABLE LBE OPTION, JUMPER E26–E34. TO DISABLE THIS OPTION, JUMPER E32–E33 (STD)
6. FOR REVISION D AND ABOVE: TO ENABLE GED OPTION, JUMPER E27–E28. TO DISABLE THIS OPTION; (A) REVISION D, NO JUMPER NECESSARY (B) REVISION E AND ABOVE, JUMPER E28–E31 (STD)
7. TO ENABLE HDP OPTION, JUMPER E25-E26 AND E13-E14. TO DISABLE THIS OPTION (A) FOR REVISION C AND BELOW JUMPER E27-E28 AND E29-E30(STD) (B) FOR REVISION D ONLY; JUMPER E29-E30(STD) (C) FOR REVISION E AND ABOVE, JUMPER E29-E30 AND E32-E33(STD)
8. TO ENABLE DSC OPTION, JUMPER E2-E3 TO DISABLE THIS OPTION, JUMPER E1 E2(STD)
9. TO ENABLE BRO OPTION, JUMPER E5-E6 TO DISABLE THIS OPTION, JUMPER E4-E5(STD)
10. TO ENABLE DNB OPTION, JUMPER E7-E8 TO DISABLE THIS OPTION, JUMPER E8-E9 (STD)
11. TO ENABLE IRC OPTION, JUMPER E11-E12 TO DISABLE THIS OPTION, JUMPER E10-E11(STD)
12. TO ENABLE GDS OPTION, JUMPER E20-E21 TO DISABLE THIS OPTION, JUMPER E19-E20(STD)
13. ITEM 58 MAY BE USED IF STAKE PIN HOLE SIZE WILL NOT RETAIN ITEM 92 (STANDARD PIN)
14. FOR PWB REV F-1, JUMPER U17 PIN 7 TO U17 PIN 8 WITH #22 BUSS WIRE (TI #411400-0022)
15. ALTERNATE METHOD FOR NOTE 17. MARK APPROPRIATE DASH NUMBER PER PROCESS 3
16. USED ON -0001 ASSY
17. LOCATE LABEL IN BOTTOM CENTER OF PC BOARD IN APPROXIMATE LOCATION INDICATED
18. 45T TYPE PRIOR TO REV M PWB. REV M AND LATER PWB ARE ABT. LOOKING FROM BOTTOM:



PRIOR TO REV M PWB, Q1 WAS AN A672222 (PN 972057-1) AND Q2 WAS A TIS99 (PN 772637-6).



VIEW A-A
SHEET 2 (A-8)

3	MARK	100-02	21	COLOR BLACK, HEIGHT .09
2	SLDR	127-01	00	
1	SLDR	124-02	00	
SEQ NO	IDENT	F-SPEC	NO	ADDITIONAL
	PROCESS			CLASSIFICATION

PROCESSES — FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 728467

NOTES

PWB		M	M	M	M	N	N	N																		
DIAGRAM		G	G	G	G	H	H	H																		
ASSEMBLY		MA	MB	MC	MD	AE	AF	AG																		
PWB	994502	*	A	B	C	D	E	F	G	K	L	N	M	M	M	M	M	M	M							
DIAGRAM	994501	–	–	*	A	B	C	D	D	F	F	F	F	G	G	G	G									
ASSEMBLY	994503	*	A	B	C	D	E	F	J	K	M	N	P	R	T	U	V	W	Y							
DOCUMENT		REVISION																								

REVISION LEVEL STATUS

REV STATUS OF SHEETS	REV	AG	AG
	SHEET	1	2

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
V	CN500818(D) D. Stamm	8-5-82	Stamm
	#REV PER EXT ENG CHANGES 21 UPDATED REV LVL BLK		
W	CN503504 (D) DK Anderson (I) ON -1&-2 LM'S. DELE ITEM 100 (2) UPDATED REV LVL BLK	11-6-82	DKAnderson
Y	CN 499791 (D) DK Anderson (I) ADDED NOTE 17 (2) REV NOTES 4 & 15 (3) ON -1 & -2 LM's, ADDED ITEM 60 (4) UPDATED REV LVL BLK	11-6-82	DKAnderson
AA	CN 455863 (D) R. KARL (I) CREATED -100 LM AND RESTRUCTURE -1 AND -2 LM'S	2-1-83	Ray Karl
AB	CN 497547 (D) R. KARL (I) ON -100 LM ITEM 31 WAS QTY 5 (2) ON -5501 LM ITEM 11 WAS QTY 22 (3) ON -100 LM DELETED ITEMS 13 AND 30 (4) ON -5501 LM ITEM 9 QTY WAS 2 (5) ON -5001 LM ITEM 33 QTY WAS 4	2-1-83	Ray Karl
AC	CN494785 (D) Ray KARL (I) ADDED ITEM 60 TO -1 AND -2 LMS (2) ADDED ITEM 58 TO -100 LM	2-1-83	Ray Karl
AD	CN506783(D) M.DURHAM (I) REVISED -0100 AND -5501 LM'S (2) ON -0100 -M, ADDED ITEM 58	1-1-84	Ron Ingram
AE	CN513046(D) JD Dodson 3-30-84	3-30-84	JD Dodson
AF	CN515783(D) Dodson 5-2-84	5-2-84	JD Dodson
AG	CN457308(D) Dodson 5-2-84	5-2-84	JD Dodson

PART NUMBER	DESCRIPTION
994503-8002	LINE BUFFER, SERIAL INTERFACE-810 PRTR
994503-8001	LINE BUFFER, PARALLEL INTERFACE-810 PRTR
994503-5501	SEQUENCE TAPE FOR-5001
994503-5001	AUTO INSERTED PARTS LIST FOR 994503
994503-0002	LINE BUFFER, SERIAL INTERFACE – 810 PRINTER
994503-0001	LINE BUFFER, PARALLEL INTERFACE – 810 PRINTER

PARTS LIST

QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES
924513	8733				
924512	8733				
924811	8733				

NEXT ASSY USED ON
APPLICATION

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES: ANGLES ±1°; 3 PLACE DECIMALS ± .010; 2 PLACE DECIMALS ± .02
- INTERPRET DRAWING PER MIL-D-1000
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY: MACHINED DIAMETERS .010 FIM
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

.013 THRU .064 / .125 ± .001	.126 THRU .508 / .760 ± .001	.751 THRU .008 / .000 ± .001	
.501 THRU .628 / .750 ± .001	.751 THRU .010 / 1.000 ± .001	1.001 THRU .012 / 8.000 ± .001	

DRAWN 1-18-78
CHECK 4/3/78
ENGR 2/13/78
QA 2/14/78
MFG

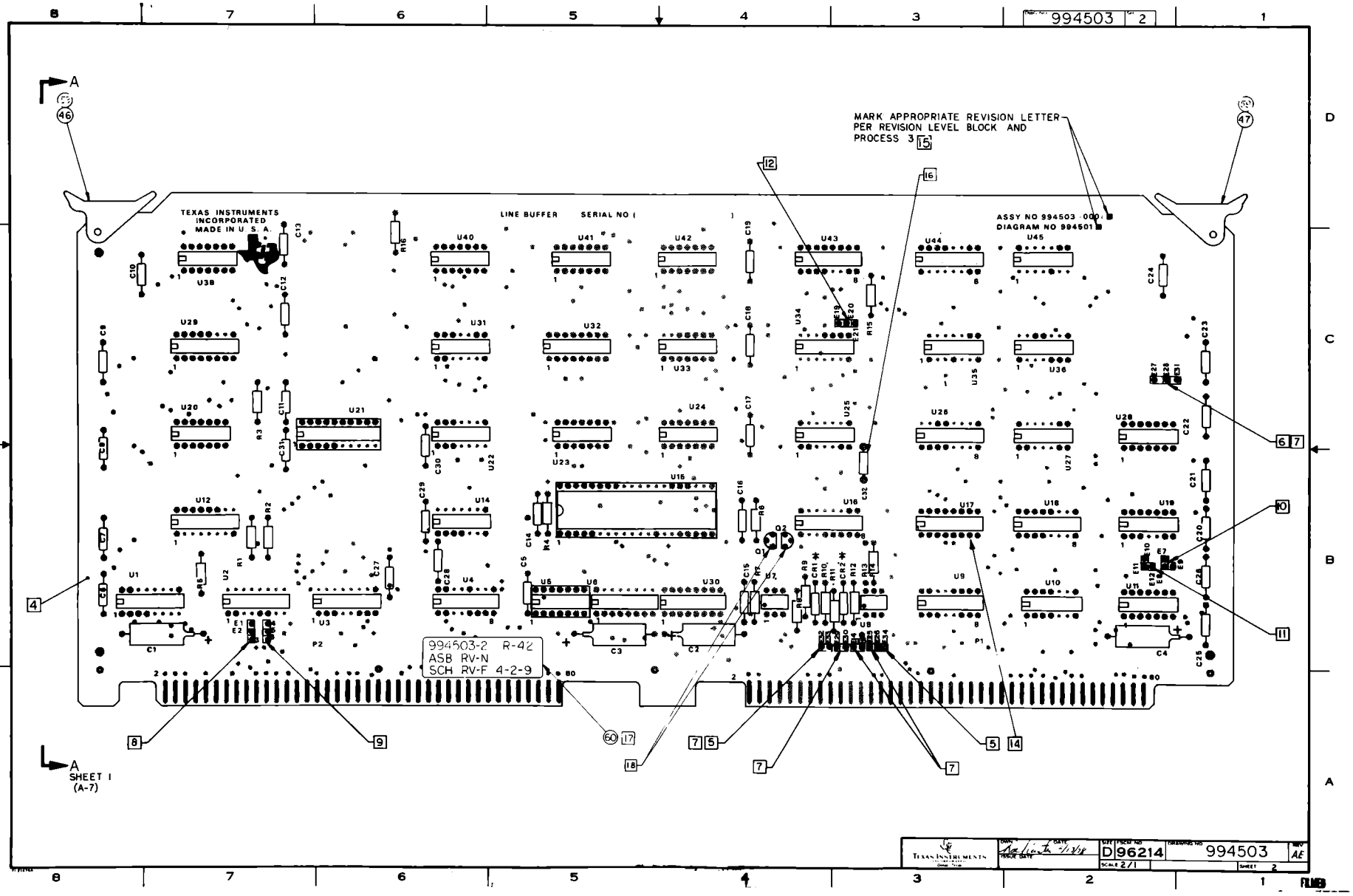
TEXAS INSTRUMENTS INCORPORATED
Dallas, Texas

LINE BUFFER, 810

SIZE D | PROJECT NO 96214 | DRAWING NO 994503
SCALE 2/1 | SHEET 1 OF 2

320 LM

9-187


994503 2
TEXAS INSTRUMENTS
INCORPORATED
MADE IN U. S. A.
LINE BUFFER SERIAL NO (
ASSY NO 994503 -000
DIAGRAM NO 994501
MARK APPROPRIATE REVISION LETTER
PER REVISION LEVEL BLOCK AND
PROCESS 3
994503-2 R-42
ASB RV-N
SCH RV-F 4-2-9
SHEET 1
(A-7)
D96214
994503

List of Materials

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PART NUMBER REV DESCRIPTION.....
0994503-0001 AG LINE BUFFER, PARALLEL INTERFACE-810 PRTR

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	0539855-0002	RELAY,REED,DIP-250 MA 10 W 100 VDC	EA
			095348-GB831A-4	
0001A			U5	
			095348-GB831A-4	
0002	00001.000	0972763-0001	CAPACITOR,.001UF 50V FX CERAMIC DIEL	EA
			COR CA-C02Z5U102Z1GGA	
0002A			C32	
			COR CA-C02Z5U102Z1GGA	
0003	00001.000	0994503-0100	COMMON PARTS LIST FOR LINE BUFFER OPTION	EA
			1225-3503-015	
0060	00001.000	2363830-0002	LABEL,SYMBOLIZATION (51MM X 13MM)	EA
			1225- -000	

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PART NUMBER REV DESCRIPTION.....
0994503-0002 AG LINE BUFFER, SERIAL INTERFACE- 810 PRTR

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	0971G01-0002	NETWORK ASYNCHRONOUS DATA INTERFACE	EA
			-TI-TMS6011NC	
0001A			U15	
			-TI-TMS6011NC	
0003	00001.000	0994503-0100	COMMON PARTS LIST FOR LINE BUFFER OPTION	EA
			1225-3503-015	
0060	00001.000	2363830-0002	LABEL,SYMBOLIZATION (51MM X 13MM)	EA
			1225- -000	

05/12/84

PART NUMBER REV DESCRIPTION.....
0994503-0100 AG COMMON PARTS LIST FOR LINE BUFFER OPTION

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0002	00002.000	0972625-0001	NETWORK OCI449 OPTICALLY COUPLED	EA
			TI -OCI449	
0002A			U7 (U8 SEE ITEM 240)	
			TI -OCI449	
0010	00001.000	0972946-0121	RES FIX 220K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0010A			R9	
			ROH - R-25	
0020	00001.000	0994519-0001	PROM, PROGRAMMED,LINE BUFFER	EA
			1225-4519-026	
0020A			U21	
			1225-4519-026	
0024	00000.000	0971000-0001	IC TIL-111 OPTICALLY COUPLED ISOLATOR	EA
			TI -TIL111	
0024A			*ALTERNATE FOR ITEM 2 (U8)	
			TI -TIL111	
0024B			*USE TIL117 TIPN971000-4	
			TI -TIL111	
0024C			*WHEN AVAILABLE	
			TI -TIL111	
0028	00001.000	2211415-0001	TRANSISTOR NPN	EA
0028A			C1	

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PART NUMBER REV DESCRIPTION.....
0994503-0100 AG COMMON PARTS LIST FOR LINE BUFFER OPTION

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0029	00001.000	2220095-0001	TRANSISTOR, NPN, GENERAL PURPOSE	EA
			SEE TI- DRAWING	
0029A			Q2	
			SEE TI- DRAWING	
0031	00002.000	0972763-0021	CAP.,FIXED,AXIAL LEAD,.047 UF,+80%,-20%	EA
			1632-0000-000	
0031A			C6,C25	
			1632-0000-000	
0039	00002.000	0972924-0014	CAP FIX TANT SOLID 15 UFD 10% 20 VOLT	EA
			QPL -M39003/1-2289	
0039A			C2,C3	
			QPL -M39003/1-2289	
0040	00002.000	0972924-0006	CAP FIX TANT SOLID 39 UFD 10% 10 VOLT	EA
			QPL -M39003/1-2259	
0040A			C1,C4	
			QPL -M39003/1-2259	
0041	00008.000	0972487-0001	JUMPER PLUG,CONNECTOR BLACK	EA
			5935-0900-000	
0043	00001.000	2210188-0002	SOCKET,LOW PROFILE,DIP, 14 PINS	EA
			003612-DILB14P-108	
0043A			XU5	
			003612-DILB14P-108	
0044	00001.000	2210188-0005	SOCKET, LOW PROFILE, DIP, 20 PINS	EA
			003612-DILB20P-108	
0044A			XU21	
			003612-DILB20P-108	
0045	00001.000	2210188-0009	SOCKET, LOW PROFILE, DIP, 40 PINS	EA
			003612-DILB40P-108	
0045A			XU15	
			003612-DILB40P-108	
0046	00001.000	0413277-0001	EJECTOR,PCB,NON-LOCKING,WHITE	EA
			SCA -S-200(NATURAL)	
0047	00001.000	0413277-0005	EJECTOR,PCB,NON-LOCKING,YELLOW	EA
			SCA -S-200(YELLOW)	
0051	REF	0994501-9901	DIAGRAM, LINE BUFFER, 81C	EA
0052	REF	0983412-9901	REVISION LEVEL STATUS,MC81C/ATS	EA
0053	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0057	00001.000	0994503-5001	AUTO INSERTED PARTS LIST FOR 994503	EA
			1225-5503-250	
0059	00002.000	0085936-0065	EYELET,ROLLED FLANGE,.089 O.D. X .312 LG	EA
0059A			*USED WITH ITEMS 46 & 47	

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PART NUMBER REV DESCRIPTION.....
0994503-5001 AG AUTO INSERTED PARTS LIST FOR 994503

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	0994502-0001	PWB, LINE BUFFER	EA
0014	00002.000	0972900-7400	NETWORK SN74LS00N	EA
			1233-7564-000	
0014A			U33,U45	
			1233-7564-000	
0015	00001.000	0972900-7402	NETWORK,SN74LS02N	EA

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PART NUMBER REV DESCRIPTION.....
0994503-5001 AG AUTO INSERTED PARTS LIST FOR 9945C3

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0015A			U22	
0016	00001.000	0222222-7404	NETWORK SN7404N	EA
0016A			U19	
0017	00002.000	0972900-7404	NETWORK SN74LS04N	EA
0017A			U25,U31	
0018	00001.000	0222222-7405	NETWORK SN7405N	EA
0018A			U40	
0019	00002.000	0972749-0001	NETWORK, SN74LS08N	EA
0019A			U24,U42	
0020	00001.000	0972900-7410	NETWORK SN74LS10N	EA
			1225-5503-000	
0020A			U23	
			1225-5503-000	
0021	00001.000	0972900-7430	NETWORK SN74LS30N	EA
			TI -SN74LS30N	
0021A			U14	
			TI -SN74LS30N	
0022	00001.000	0972900-7474	NETWORK SN74LS74N	EA
0022A			U35,U36,U41	
0023	00001.000	0972751-0001	NETWORK, SN74LS86N	EA
0023A			U34	
0024	00002.000	0996124-0001	IC,SN74LS136N 2-INPUT EXCLUSIVE-OR GATES	EA
			001295-SN74LS136N	
0024A			U20,U38	
			001295-SN74LS136N	
0025	00002.000	0972900-7138	NETWORK SN74LS138N	EA
			TI -SN74LS138N	
0025A			U4,U29	
			TI -SN74LS138N	
0026	00003.000	0801383-0001	NETWORK SN74LS151N	EA
0026A			U17,U28,U32	
0027	00004.000	0972669-0003	IC,SYNCHRONOUS 4 BIT SN74LS161N	EA
			TI -SN74LS161N	
0027A			U9,U16,U18,U26	
			TI -SN74LS161N	
0028	00001.000	0972900-7174	NETWORK SN74LS174N	EA
0028A			U3	
0029	00002.000	0996428-0001	IC,SN74LS191N SYNCHRONOUS COUNTER	EA
			001295-SN74LS191N	
0029A			U43,U44	
			001295-SN74LS191N	
0030	00001.000	0996015-0001	IC,QUAD LINE DRIVERS SN75188N	EA
			TI -SN75188N	
0030A			U11	
			TI -SN75188N	
0031	00001.000	0972450-0002	NETWORK,SN75189AN/MC1489AL QUAD LINE RCR	EA
			SEE - TI DRAWING	

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PART NUMBER	REV	DESCRIPTION
0994503-5001	AG	AUTO INSERTED PARTS LIST FOR 994503

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0031A			U10	
			SEE - TI DRAWING	
0032	00001.000	0222222-7408	NETWORK-SN7408N	EA
0032A			U27	
0033	00005.000	0972787-0003	NETWORK SN74LS367N	EA
0033A			U1,U2,U6,U12,U30	
0034	00001.000	0994503-5501	SEQUENCE TAPE FOR -5001	EA
			1225-4503-246	
0035	00000.000	2210665-0001	IC,LS161,SYNC 4-BIT BINARY CNT,DIR CLR	EA
			V-LIST-LS161 BURN-IN	
0035A			*ALTERNATE PART FOR ITEM 27	
			V-LIST-LS161 BURN-IN	
0035B			*4 REQUIRED	
			V-LIST-LS161 BURN-IN	

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PART NUMBER	REV	DESCRIPTION
0994503-5501	AG	SEQUENCE TAPE FOR -5001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0002	00001.000	0972934-0006	DIODE,1N751A 5.1 V 5% SIL VOLT REG	EA
			QPL - 1N751A	
0002A			CR2	
			QPL - 1N751A	
0003	00001.000	0972946-0037	RES FIX 68.0 OHM 5 % .25 W.CARBON FILM	EA
			ROH - R-25	
0003A			R11	
			ROH - R-25	
0004	00002.000	0972946-0045	RES FIX 150 OHM 5 % .25 W CARBON FILM	EA
			SEE TI- DRAWING	
0004A			R7,R12	
			SEE TI- DRAWING	
0005	00001.000	0972946-0057	RES FIX 470 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0005A			R5	
			ROH - R-25	
0006	00004.000	0972946-0065	RES FIX 1.0K OHM 5% .25 W CARBON FILM	EA
			ROH - R-25	
0006A			R1,R2,R4,R6	
			ROH - R-25	
0007	00001.000	0972946-0069	RES FIX 1.5K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0007A			R8	
			ROH - R-25	
0008	00001.000	0972946-0077	RES FIX 3.3K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0008A			R14	
			ROH - R-25	
0009	00003.000	0972946-0089	RES FIX 10K OHM 5% .25 W CARBON FILM	EA
			1658- -000	
0009A			R3,R15,R16	
			1658- -000	
0011	00025.000	0972763-0021	CAP.,FIXED,AXIAL LEAD,.047 UF,+80%,-20%	EA
			1632-0000-000	
0011A			C5,C7,C8,C9,C10,C11,C12,C13	
			1632-0000-000	

List of Materials

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PART NUMBER 0994503-5501 | REV AG | DESCRIPTION..... SEQUENCE TAPE FOR -5001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0011B			C14,C15,C16,C17,C18,C19,C20 1632-0000-000	
0011C			C21,C22,C23,C24,C26,C27,C28 1632-0000-000	
0011D			C29,C30,C31 1632-0000-000	
0012	00001.000	0530468-0003	DIODE,1N4003 LAMP 200PIV RECTIFIER TI - IN4003	EA
0012A			CR1 TI - IN4003	
0013	00031.000	0972946-0017	RES FIX 10.0 OHM 5 % .25 W.CARBON FILM ROH - R-25	EA
0013A			R10 ROH - R-25	
0042	00027.000	0972456-0002	PIN,.025 SQUARE 5935-0800-000	EA
0042A			E1,E2,E3,E4,E5,E6,E7,E8,E9 5935-0800-000	
0042B			E10,E11,E12,E13,E14,E15,E20 5935-0800-000	
0042C			E21,E25,E26,E27,E28,E29,E30 5935-0800-000	
0042D			E31,E32,E33,E34 5935-0800-000	
0058	00000.000	0996805-0004	TERMINAL,MALE 10.92MM(LG)0.64MM(.025)SQ 022526-75491-004	EA
0058A			*ALTERNATE FOR ITEM 42 022526-75491-004	

DWG NO 994528 SH 1

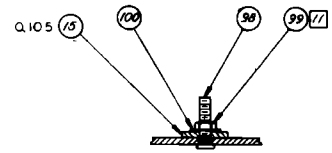
NOTES: UNLESS OTHERWISE SPECIFIED:

1. ALL DIMENSIONS ARE IN MILLIMETRES
2. GENERAL TOLERANCES:
   ONE PLACE DECIMALS = ±0.5
   TWO PLACE DECIMALS = ±0.25
3. CONCENTRICITY MACHINED DIAMETERS 0.25 FIM
4. MAXIMUM LEAD LENGTH TO BE 2.03 FROM CONDUCTOR SIDE OF BOARD
5. DO NOT SOLDER ON COMPONENT SIDE
6. INSTALL EJECTORS (ITEMS 93 & 94) AFTER PROCESS 2
7. MASK ALL CONNECTOR FINGERS ON BOTH SIDES OF BOARD WHEN SOLDERING TO PREVENT SOLDER FROM WICKING DOWN CONNECTOR FINGERS
8. ALTERNATE TO NOTE 15, MARK ASSEMBLY DATE CODE IN LOCATION SHOWN PER PROCESS 1 AND ITEM 109 PARAGRAPH 4.0
9. ALTERNATE TO NOTE 15, MARK APPROPRIATE REVISION LETTER SHOWN PER PROCESS 1 AND REVISION LEVEL BLOCK
10. HEATSINKS (ITEMS 95,96,&97) MUST BE SQUARELY ORIENTED IN THEIR LOCATIONS AND MUST NOT TOUCH AND SHORT OUT ADJACENT COMPONENT LEADS AND CONDUCTOR RUNS
11. TORQUE TO .40±.06 NEWTON-METER
12. THIS ASSEMBLY, 994528 IS USED IN A UL, CSA, VDE, ETC. RECOGNIZED MACHINE. ANY MODIFICATION SHOULD HAVE SAFETY AND EMI IMPLICATIONS INVESTIGATED WITH THE APPROPRIATE AGENCY
13. COMPONENT BODY SHALL BE 1.5 M M MINIMUM ABOVE PWB
14. ITEMS 11,13,17,19,88,90 AND 91 ARE TO BE PEENED FOR STAND-OFF NOT TO EXCEED 5.08
15. LOCATE LABEL (ITEM 116) IN LOWER RIGHT HAND CORNER OF PC BOARD IN APPROXIMATE LOCATION AS SHOWN

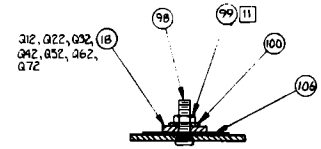
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
U	CN506749 (D) Dan Stamm 1) -1LM ◊ DWG SH 2 Z(D-7)(C-2) ADDED ITEM 117 2) -5501LM ITEM 33 REF DES A10C128 WAS A10C127	8/1/83	
V	CN477353 (D) Dan Stamm (1) REVISED PER EXTENSIVE ENGR CHANGES	3/18/83	

CONVERSION CHART	
IN MM	INCHES
0.25	.010
0.5	.02
1.5	.06
2.03	.080
10.0	.33
± 0.5	± .02

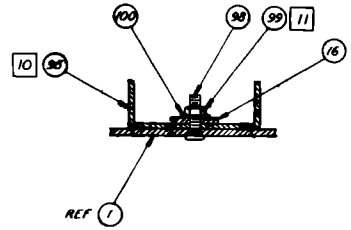
CONVERSION CHART	
N M	INCH POUND
0.40 ± 0.04	3.5 ± 0.5



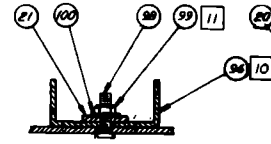
SECTION D-D
SH2(C-5)
SCALE: 2/1



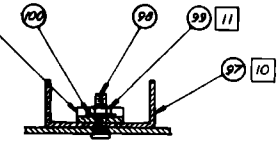
SECTION E-E
SH2 (B-6)
SCALE: 2/1
7 PLACES



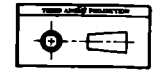
SECTION A-A
SH2 (B-4,5)
ROTATED 90° CCW
SCALE: 2/1



SECTION B-B
SH2(B-3)
ROTATED 90° CCW
SCALE: 2/1
5 PLACES



SECTION C-C
SH2(C-4)
ROTATED 90° CCW
SCALE: 2/1
5 PLACES



METRIC

REV	V	U
SH	1	2

SEQ NO	IDENT	P SPEC	NO	ADDITIONAL
3	SLDR	127-01	00	
2	SLDR	124-02	00	
1	MARK	100-02	21	HEIGHT: 1.5; COLOR: BLACK

PROCESS / CLASSIFICATION — NOTES

PROCESSED — FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 729487

994528-B001	COVER BOARD
994528-5501	COVER, SEQUENCE TAPE FOR -5001
994528-5001	DRIVER BOARD, AUTO INSERTED PARTS
994528-0001	810 DRIVER
PART NUMBER	DESCRIPTION

PARTS LIST

QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES

UNLESS OTHERWISE SPECIFIED
- TOLERANCES ANGLES ±1°
- INTERPRET DRAWING PER MIL-D-1000
- REMOVE ALL BURRS AND SHARP EDGES
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

994292	8733
NEXT ASSY	USED ON
APPLICATION	

DRAWN D. Hagel 4-15-79
CHK Dan Stamm 4/27/79
ENGR
MFG
QUAL
DATE

TEXAS INSTRUMENTS INCORPORATED Dallas, Texas

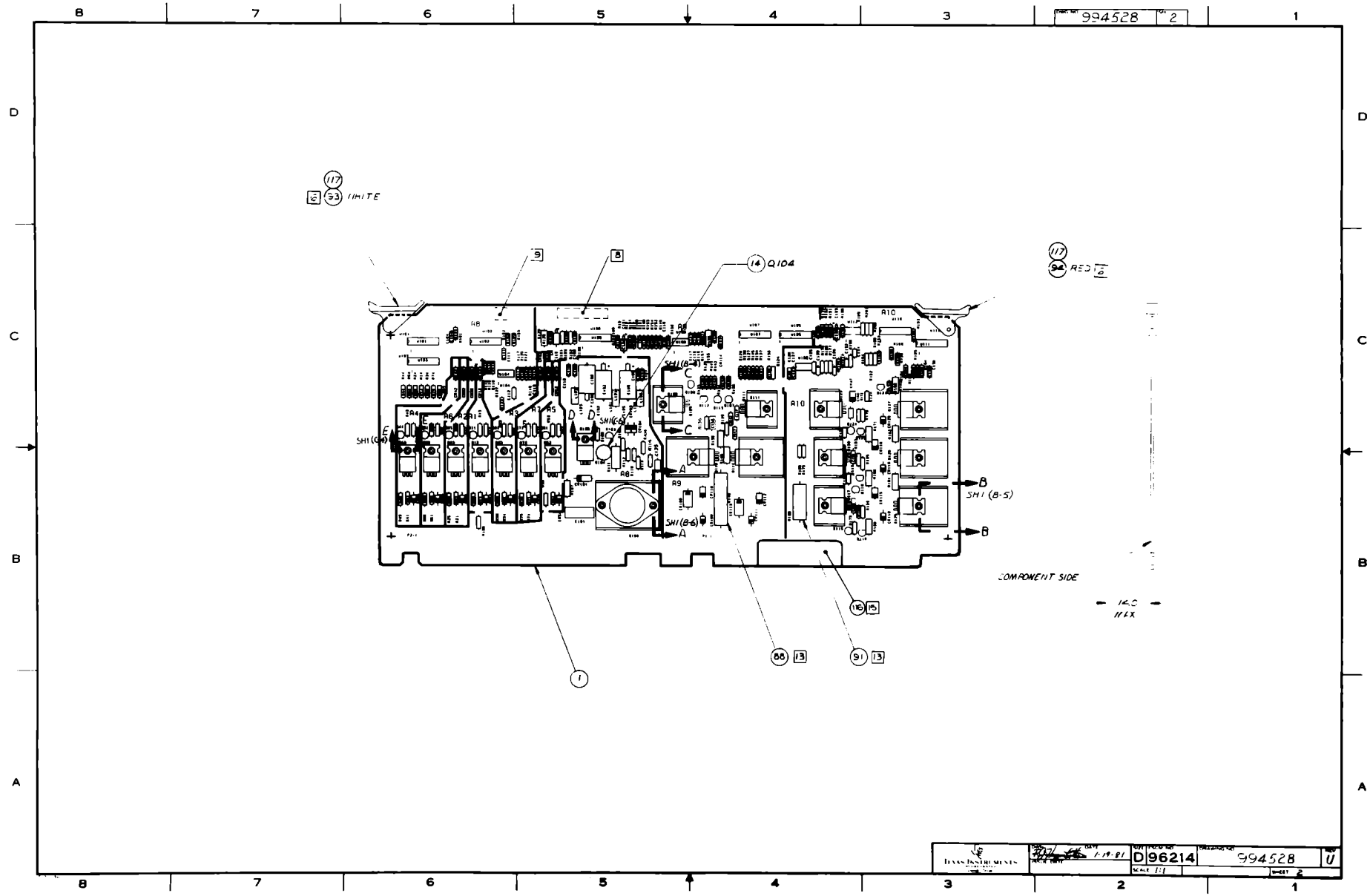
810 DRIVER

SIZE D | FSCM NO 96214 | DRAWING NO 994528

SCALE 1/1 | SHEET 1 of 2

1 LM

320


994528 2
117
53 WHITE
9
8
14 Q104
117
94 RED
A10
SH1(G-4)
SH1(G-6)
SH1(B-6)
SH1 (B-5)
B
A
COMPONENT SIDE
16
15
88 13
91 13
1
8
7
6
5
4
3
2
1
D
C
B
A
D96214
994528
U

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
0994528-0001	V	810 DRIVER

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0011	00006.000	2211566-0001	TRANSISTOR,PNP,SILICON,1.0A,60V SEE TI- DRAWING	EA
0011A			A9Q109,A10Q112,A10Q116 SEE TI- DRAWING	
0011B			A10Q119,A10Q122,A10Q124 SEE TI- DRAWING	
0013	00001.000	2211415-0001	TRANSISTOR NPN	EA
0013A			A8Q103	
0014	00001.000	0996298-0001	TRANSISTOR,SGD2162 PNP SWITCHING TI -SGD2162	EA
0014A			A8Q104 TI -SGD2162	
0015	00001.000	0996284-0001	TRANSISTOR,2N6497 PWR SILICON NPN MOT -2N6497	EA
0015A			A8Q105 MOT -2N6497	
0016	00001.000	2210465-0001	TRANSISTOR, POWER, NPN 033888-2N6306	EA
0016A			A8Q106 033888-2N6306	
0017	00007.000	2210226-0001	XSTR,P-N-P,HIGH VOLTAGE 001295-TIS180	EA
0017A			A1Q11,A2Q21,A3Q31,A4Q41, 001295-TIS180	
0017B			A5Q51,A6Q61,A7Q71 001295-TIS180	
0018	00007.000	2210225-0001	XSTR,N-P-N,DARLINGTON PAIR 001295-TIP150	EA
0018A			A1Q12,A2Q22,A3Q32,A4Q42, 001295-TIP150	
0018B			A5Q52,A6Q62,A7Q72 001295-TIP150	
0018C			*ITEM 112 MAY BE USED AS 001295-TIP150	
0018D			*AN ALTERNATE 001295-TIP150	
0019	00005.000	2210224-0001	XSTR,N-P-N,HIGH VOLTAGE 001295-2N4410	EA
0019A			A9Q107,A9Q113,A10Q115, 001295-2N4410	
0019B			A10Q118,A10Q121 001295-2N4410	
0020	00005.000	0972962-0002	TRANSISTOR TIP41C POWER AMP & HIGH-SPEED TI -TIP41C	EA
0020A			A9Q109,A9Q111,A10Q117, TI -TIP41C	
0020B			A10Q120,A10Q123 TI -TIP41C	
0021	00005.000	0972572-0003	TRANSISTOR,TIP122 SILICON NPN DARLINGTON TI -TIP122	EA
0021A			A9Q110,A9Q114,A10Q125, TI -TIP122	
0021B			A10Q126,A10Q127 TI -TIP122	
0024	00001.000	0996281-0008	RECTIFIER,SILICON,200VDC 012969-UES 1304	EA
0024A			A8CR101 012969-UES 1304	
0029	00002.000	0996280-0001	DIODE UCP3001 RECTIFIER 3 AMP	EA

List of Materials

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PART NUMBER REV DESCRIPTION.....
0994528-0001 V 810 DRIVER

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0029A			A9CR109,A9CR113	
0039	00001.000	0996311-0009	CAPACITOR,0.1000 UF 400 VDC 10% 012406-Z01R104	EA
0039A			A8C101 012406-Z01R104	
0040	00001.000	2211700-0011	CAPACITOR,AL ELEC,220 UF, 10 V SEE TI- DRAWING	EA
0040A			A8C102 SEE TI- DRAWING	
0041	00002.000	2211700-0025	CAPACITOR,AL,ELEC,150 UF,16V SEE TI- DRAWING	EA
0041A			A8C105,A8C108 SEE TI- DRAWING	
0087	00001.000	0972965-0012	CAP FXD .010UF,10%,200V, CERAMIC QPL - CK06BX103K	EA
0087A			A8C141 QPL - CK06BX103K	
0088	00001.000	0996297-0001	RES FIXED .25 OHMS .25% RCL - NT-7	EA
0088A			A9R148 RCL - NT-7	
0090	00001.000	0996283-0004	RES,FXD,WW,POWER,200 OHMS +/-1%,3WATTS 001686-T28-79	EA
0090A			A8R111 001686-T28-79	
0091	00001.000	0996272-0001	RESISTOR,FIX .2 OHMS,NON-INDUCTIVE 1% 5W REI - NT-5	EA
0091A			A10R190 REI - NT-5	
0093	00001.000	0413277-0001	EJECTOR,PCB,NON-LOCKING,WHITE SCA -S-200(NATURAL)	EA
0094	00001.000	0413277-0015	EJECTOR,PCB,NON-LOCKING,C.RED SCA -S-200(C.RED)	EA
0095	00001.000	2210200-0001	HEATSINK, TO-3 013103-6103B-BASE	EA
0096	00005.000	0996285-0002	HEATSINK,TRANSISTOR 013103-6106B-14	EA
0097	00005.000	0996285-0001	HEATSINK,TRANSISTOR 013103-6107B-14	EA
0098	00020.000	0972355-0003	STUD,CLINCH,.375 LONG,BRONZE 046384-KFH-440-6	EA
0099	00020.000	0416453-0021	NUT,PLAIN,4-40 UNC-2B HEX,CRES,SMALL CPL - NAS671-C4	EA
0100	00020.000	0411101-0057	LOCKWASHER # 4 EXTERNAL TOOTH CRES CPL - MS35335-57	EA
0106	00001.000	2360064-0001	INSULATOR, THERMALLY CONDUCTIVE SEE TI- DRAWING	EA
0107	00000.000	0996521-0010	INSULATOR, .147DIA .75CLG .500W 055285-7403-09FR-54	EA
0107A			*MAY BE USED AS AN ALTERNAT 055285-7403-09FR-54	
0107B			*FOR ITEM 106,7 REQUIRED 055285-7403-09FR-54	
0108	REF	0994527-0001	DIAG, LOGIC, DRIVER BOARD	EA
0109	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0110	00001.000	0994528-5001	DRIVER BOARD,AUTO INSERTED PARTS 1225-5528-999	EA

List of Materials

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PART NUMBER REV DESCRIPTION.....
0994526-0001 V 810 DRIVER

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0112	00000.000	2211798-0001	TRANS,MJE5740 NPN DARLINGTON SEE TI- DRAWING	EA
0112A			A1Q12,A2Q22,A3Q32,A4Q42 SEE TI- DRAWING	
0112B			A5Q52,A6Q62,A7Q72 SEE TI- DRAWING	
0112C			*MAY BE USED AS ALT FOR SEE TI- DRAWING	
0112D			*ITEM 18 SEE TI- DRAWING	
0114	00000.000	0972924-0008	CAP FIX TANT SOLID 220 MFD 10 % 10 VOLT QPL -M39003/1-2265	EA
0114A			*MAY BE USED AS AN ALT QPL -M39003/1-2265	
0114B			*FOR ITEM 40 QPL -M39003/1-2265	
0115	00000.000	0972924-0012	CAP FIX TANT SOLID 150 MFD 10 % 15 VOLT QPL -M39003/1-2277	EA
0115A			*MAY BE USED AS AN ALT QPL -M39003/1-2277	
0115B			*FOR ITEM 41 QPL -M39003/1-2277	
0116	00001.000	2363830-0002	LABEL,SYMBOLIZATION (51MM X 13MM) 1225- -000	EA
0117	00002.000	0085936-0065	EYELET,ROLLED FLANGE,.089 O.D. X .312 LG	EA
0117A			*USED WITH ITEMS 93 & 94	
9999	00000.000	0239999-9999	COST, SHRINKAGE	EA
0001	00001.000	0994526-0001	PWB, DRIVER BOARD	EA
0003	00002.000	0222222-7406	NETWORK SN7406N	EA
0003A			A8U102,A10U113	
0004	00002.000	0222222-7407	NETWORK-SN7407N TI- -SN7407N	EA
0004A			A8U103,A9U107 TI- -SN7407N	
0005	00001.000	0222222-7410	NETWORK SN7410N - 3-000	EA
0005A			A9U105 - 3-000	
0006	00001.000	0222222-7430	NETWORK SN7430N -SN7430N	EA
0006A			A8U101 -SN7430N	
0007	00001.000	0222222-7438	NETWORK SN7438N	EA
0007A			A10U111	
0008	00001.000	0972999-4016	X NETWORK 4016 -SEE TI DRAWING	EA
0008A			A9U106 -SEE TI DRAWING	
0009	00003.000	0222225-2311	NETWORK,COMPARATOR,SEE DRAWING SEE - TI DRAWING	EA
0009A			A8U104,A9U108,A10U105 SEE - TI DRAWING	
0010	00001.000	0972188-0001	NETWORK,NE555V,MONOLITHIC TIMING,LINEAR ST -NE555V	EA

List of Materials

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PART NUMBER REV DESCRIPTION.....
0994528-5001 V DRIVER BOARD,AUTO INSERTED PARTS

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0010A			A10U112 ST -NE555V	
0012	00001.000	0994528-5501	DRIVER,SEQUENCE TAPE FOR -5001 1225-4528-206	EA

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PART NUMBER REV DESCRIPTION.....
0994528-5501 V DRIVER,SEQUENCE TAPE FOR -5001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0023	00007.000	0533468-0004	DIODE,IN4004 1AMP 400PIV RECTIFIER TI - IN4004	EA
0023A			A1CR14,A2CR24,A3CR34, TI - IN4004	
0023B			A4CR44,A5CR54,A6CR64,A7CR74 TI - IN4004	
0025	00003.000	0972268-0003	DIODE IN4935 1 AMP SEE - TI DRAWING	EA
0025A			A8CR103,A9CR110,A9CR112 SEE - TI DRAWING	
0026	00006.000	0533468-0002	DIODE,IN4002 1AMP 100PIV RECTIFIER TI - IN4002	EA
0026A			A8CR104, A9CR108, TI - IN4002	
0026B			A9CR111, A10CR118 TI - IN4002	
0026C			A10CR119,A10CR120 TI - IN4002	
0027	00008.000	0972932-0001	DIODE IN9140 SEE TI- DRAWING	EA
0027A			A1CR12,A2CR22,A3CR32, SEE TI- DRAWING	
0027B			A4CR42,A5CR52,A6CR62, SEE TI- DRAWING	
0027C			A7CR72,A9CR114 SEE TI- DRAWING	
0028	00001.000	0972934-0006	DIODE,IN751A 5.1 V 5% SIL VOLT REG CPL - IN751A	EA
0028A			A9CR107 CPL - IN751A	
0030	00003.000	0996281-0002	RECTIFIER,SILICON,FAST RECOVERY 100V 014099-SS3889	EA
0030A			A10CR115,A10CR116,A10CR117 014099-SS3889	
0031	00001.000	0972763-0030	CAP FIXED .27 UF 50 VOLTS 5910-0113-000	EA
0031A			A10C133 5910-0113-000	
0032	00001.000	0972757-0009	CAP FIX CER 470PF 10% 50V	EA
0032A			A10C134	
0033	00023.000	0972763-0025	CAPACITOR,.10UF 50V FX,CERAMIC DIEL COR CA-C03Z5U104Z050A	EA
0033A			A8C103,A8C104,A8C106,A8C107 COR CA-C03Z5U104Z050A	
0033B			A8C109,A8C110,A8C111,A8C112 COR CA-C03Z5U104Z050A	
0033C			A8C113,A8C135,A9C116 A9C119 COR CA-C03Z5U104Z050A	

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PART NUMBER	REV	DESCRIPTION
0994528-5501	V	DRIVER,SEQUENCE TAPE FOR -5001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0033C			A9C120,A9C136,A9C137	
			COR CA-C03Z5U104Z050A	
0033E			A10C120,A10C130,A10C138	
			COR CA-C03Z5U104Z050A	
0033F			A10C139,A10C140,A9C117	
			COR CA-C03Z5U104Z050A	
0033G			A10C125,A10C127	
			COR CA-C03Z5U104Z050A	
0035	00002.000	0972757-0003	CAP,FIXED CERAMIC 150 PF 10% 50V	EA
			UC -C51C151K	
0035A			A9C118,A10C129	
			UC -C51C151K	
0036	00002.000	0972924-0017	CAP FIX TANT SOLID 1.0 MFD 10 % 35 VOLT	EA
			1294- -000	
0036A			A9C115,A10C131	
			1294- -000	
0037	00003.000	0972758-0025	CAP,FIXED .01 UF 100 WVDC 10%	EA
			UC -C51A103K	
0037A			A10C122,A10C123,A10C124	
			UC -C51A103K	
0038	00001.000	0972757-0040	CAP,FXD, 50 VOLTS,10%,10PF,CERAMIC DIEL.	EA
			007115-SEE DRAWING	
0038A			A10C126	
			007115-SEE DRAWING	
0042	00001.000	0972763-0013	CAP,FIXED .010UF 50 VOLTS	EA
			004222-MC105E103Z	
0042A			A10C132	
			004222-MC105E103Z	
0043	00003.000	0538428-0001	COIL RF 5.60 UH .32 OHM 495 MA LT10K128	EA
			QPL - MS14046-31	
0043A			A8L101,A8L102,A8L103	
			QPL - MS14046-31	
0044	00001.000	0972946-0052	RES FIX 300 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0044A			A10R200	
			ROH - R-25	
0045	00005.000	0972946-0045	RES FIX 150 OHM 5 % .25 W CARBON FILM	EA
			SEE TI- DRAWING	
0045A			A9R125,A9R142,A10R159	
			SEE TI- DRAWING	
0045B			A10R165,A10R170	
			SEE TI- DRAWING	
0046	00001.000	0972946-0110	RES FIX 75 K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0046A			A10R201	
			ROH - R-25	
0047	00022.000	0972946-0089	RES FIX 10K OHM 5% .25 W CARBON FILM	EA
			1658- -000	
0047A			A1R15,A2R25,A3R35,A4R45,	
			1658- -000	
0047B			A6R65,A7R75,A8R106,A8R122,	
			1658- -000	
0047C			A9R123,A9R137,A9R139,	
			1658- -000	
0047D			A9R140,A9R147,A9R156,	
			1658- -000	
0047E			A10R173,A10R177,A10R186,	
			1658- -000	
0047F			A10R195,A10R197,A10R198,	
			1658- -000	
0047G			A9R145,A5R55	
			1658- -000	

05/12/84

PART NUMBER	REV	DESCRIPTION
0994528-5501	V	DRIVER,SEQUENCE TAPE FOR -5001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0049	00001.000	0972946-0081	RES FIX 4.7K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0049A			A8R103	
			ROH - R-25	
0050	00001.000	0972946-0061	RES FIX 680 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0050A			A8R110	
			ROH - R-25	
0051	00002.000	0972946-0021	RES FIX 15.0 OHM 5 % .25 W.CARBON FILM	EA
			ROH - R-25	
0051A			A8R112,A8R113	
			ROH - R-25	
0052	00005.000	0972946-0017	RES FIX 10.0 OHM 5 % .25 W.CARBON FILM	EA
			ROH - R-25	
0052A			A10R172,A10R167,A8R104,	
			ROH - R-25	
0052B			A8R114,A10R161	
			ROH - R-25	
0053	00007.000	0972946-0053	RES FIX 330 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0053A			A1R12,A2R22,A3R32,A4R42,	
			ROH - R-25	
0053B			A5R52,A6R62,A7R72	
			ROH - R-25	
0054	00006.000	0972946-0057	RES FIX 470 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0054A			A9R127,A9R145,A10R158,	
			ROH - R-25	
0054B			A10R164,A10R169,A10R199	
			ROH - R-25	
0055	00001.000	0972946-0051	RES FIX 270 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0055A			A8R109	
			ROH - R-25	
0057	00001.000	0972946-0047	RES FIX 180 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0057A			A8R117	
			ROH - R-25	
0058	00024.000	0972946-0065	RES FIX 1.0K OHM 5% .25 W CARBON FILM	EA
			ROH - R-25	
0058A			A8R14,A8R24,A8R34,A8R44,	
			ROH - R-25	
0058B			A8R54,A8R64,A8R74,A8R102,	
			ROH - R-25	
0058C			A8R103,A9R124,A9R129,	
			ROH - R-25	
0058D			A9R130,A9R132,A9R134,	
			ROH - R-25	
0058E			A9R135,A9R157,A10R162,	
			ROH - R-25	
0058F			A10R163,A10R168,A10R184,	
			ROH - R-25	
0058G			A10R185,A10R194,A8R101	
			ROH - R-25	
0058H			A10R193	
			ROH - R-25	
0059	00004.000	0972946-0027	RES FIX 27.0 OHM 5 % .25 W.CARBON FILM	EA
			ROH - R-25	
0059A			A9R126,A9R136,A9R141,A9R144	
			ROH - R-25	
0060	00001.000	0972946-0039	RES FIX 82.0 OHMS 5 % .25 W CARBON FILM	EA
			ROH - R-25	

List of Materials

05/12/04

PART NUMBER REV DESCRIPTION.....
0394524-5501 V DRIVER,SEQUENCE TAPE FOR -5001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0060A			A10R174	
			ROH - R-25	
0061	00001.000	0972946-0035	RES FIX 56.0 OHM 5 % .25 W.CARBON FILM	EA
			ROH - R-25	
0061A			A10R175	
			ROH - R-25	
0062	00002.000	0972946-0093	RES FIX 15K OHM 5% .25 W CARBON FILM	EA
			ROH - R-25	
0062A			A10R191,A10R192	
			ROH - R-25	
0063	00001.000	0972946-0059	RES FIX 560 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0063A			A10R176	
			ROH - R-25	
0064	00007.000	0972946-0069	RES FIX 1.5K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0064A			A1R13,A2R23,A3R33,A4R43,	
			ROH - R-25	
0064B			A5R53,A6R63,A7R73	
			ROH - R-25	
0065	00005.000	0972947-0055	RES FIX 390 OHM 5% .5 W CARBON FILM	EA
			ROH - R-50	
0065A			A9R138,A9R146,A10R181-R183	
			ROH - R-50	
0066	00001.000	0972947-0059	RES FIX 560 OHM 5% .5 W CARBON FILM	EA
			ROH - R-50	
0066A			A9R155	
			ROH - R-50	
0067	00001.000	0972977-0073	RES FIX COM 270 OHM 1/2W 5%	EA
			QPL - RCR20G271JS	
0067A			A9R120	
			QPL - RCR20G271JS	
0068	00001.000	0972947-0073	RES FIX 2.2K OHM 5% .5 W CARBON FILM	EA
			ROH - R-50	
0068A			A8R107	
			ROH - R-50	
0069	00003.000	0972977-0083	RES,FXD,CMPSN,1/2 W, 680 OHMS, 5%	EA
			039008-RCR20G681JS	
0069A			A10R160,A10R166,A10R171,	
			039008-RCR20G681JS	
0071	00001.000	0539812-0056	RES,FIXED 30.7K .1% MF 1/8W	EA
0071A			A9R151	
0072	00002.000	0539812-0045	RES,FIXED 4.99K .1% MF 1/8W	EA
0072A			A9R133,A9R153	
0073	00001.000	0539812-0055	RES,FIXED 4.10K .1% MF 1/8W	EA
0073A			A9R131	
0076	00001.000	0539370-0637	RES FIXED FILM 422K OHMS 1% .25 WATT	EA
			COR - NA55	
0076A			A9R154	
			COR - NA55	
0077	00001.000	0539370-0573	RES FIX FILM 90.9K OHM 1% .25 WATT	EA
			COR -NA55D-100PPM/C	
0077A			A8R121	
			COR -NA55D-100PPM/C	
0078	00007.000	0996881-0001	RES,FXD,PWR,FILM,1.0 OHMS +/-1%,0.5WATT	EA
			052763-MK2	

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
0994528-5501	V	DRIVER,SEQUENCE TAPE FOR -5001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0078A			A1R11,A2R21,A3R31,A4R41, 052763-MK2	
0078B			A5R51,A6R61,A7R71 052763-MK2	
0079	00004.000	0539370-0510	RES FIX FILM 20.0K OHM 1% .25 WATT COR -NA55D-100PPM/C	EA
0079A			A8R115,A8R116,A9R149,A9R150 COR -NA55D-100PPM/C	
0080	00002.000	0539370-0531	RES FIX FILM 33.2K OHM 1% .25 WATT COR - NA55	EA
0080A			A8R119,A9R152 COR - NA55	
0081	00001.000	0539370-0577	RES FIX FILM 100 K OHM 1% .25 WATT COR - NA55	EA
0081A			A8R118 COR - NA55	
0082	00001.000	0539370-0627	RES FIX FILM 332K OHM 1% .25 WATT	EA
0082A			A10R178	
0083	00002.000	0539370-0427	RES FIX FILM 2.74K OHM 1% .25 WATT COR - NA55	EA
0083A			A10R179,A10R180 COR - NA55	
0084	00002.000	0539370-0448	RES FIX FILM 4.53K OHM 1% .25 WATT COR - NA55	EA
0084A			A10R187,A8R120 COR - NA55	
0085	00001.000	0539370-0347	RES FIX FILM 402 OHM 1% .25 WATT COR - NA55	EA
0085A			A10R188 COR - NA55	
0086	00001.000	0539370-0318	RES FIX FILM 200 OHM 1% .25 WATT COR - NA55	EA
0086A			A10R189 COR - NA55	
0120	00001.000	0972946-0041	RES FIX 100 OHM 5 % .25 W CARBON FILM ROH - R-25	EA
0120A			A10R196 ROH - R-25	

05/12/84

PART NUMBER	REV	DESCRIPTION
0994528-8001	V	DRIVER BOARD

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994528-0001	810 DRIVER 1225-1528-999	EA

DWG NO 994531 SH 1

NOTES: UNLESS OTHERWISE SPECIFIED:

1. MAX LEAD LENGTH TO BE 2.54 FROM CONDUCTOR SIDE OF BOARD
2. DO NOT SOLDER ON COMPONENT SIDE
3. ALTERNATE METHOD FOR NOTE 17: MARK SITE / DATE CODE IN LOCATION SHOWN PER PROCESS 1 AND ITEM 45, PARAGRAPH 4.0
4. ALTERNATE METHOD FOR NOTE 17: MARK APPROPRIATE REVISION LETTER IN LOCATION SHOWN PER PROCESS 1 AND REVISION LEVEL BLOCK

~~5. ITEM 10 TO BE INSTALLED LAST~~

~~6. JUMPER E10 TO E11 FOR STANDARD CONFIGURATION. E13 IS PROVIDED FOR FUTURE OPTION~~

7. INSTALL FUSES (ITEMS 3,4, & 5) AFTER PROCESS 2
8. ALL DIMENSIONS ARE IN MILLIMETERS
9. GENERAL TOLERANCES: ONE PLACE ± 0.5 TWO PLACE ± 0.25
10. ALTERNATE METHOD FOR NOTE 17: MARK APPROPRIATE RUN NUMBER IN LOCATION SHOWN PER PROCESS 1
11. ANY CHANGE TO THIS ASSEMBLY MUST COMPLY WITH SAFETY AND EMI REQUIREMENTS FOR UL AND VDE APPOVAL

~~12. APPLY SPARKLE ITEM 41 TO 2 OR 3 THREADS ONLY PRIOR TO INSTALLING NUT. SPARKLE CONTAINER BEFORE USING~~

13. COMPONENT BODY SHALL BE 1.5 MM MINIMUM ABOVE PWB

~~14. TORQUE TO 0.22 - 0.06 N.M~~

15. FOR THE ISC OPTION, THE JUMPER CONNECTING PRINTER GND TO SAFETY GND (E6 TO E7) IS REMOVED

~~16. TORQUE TO 0.88 ± 0.11 N.M~~

17. LOCATE LABEL (ITEM 51) IN LOWER CENTER OF PCB IN APPROXIMATE LOCATION AS SHOWN
18. ITEMS 15 AND 48 ARE TO BE PREPPED FOR STAND-OFF NOT TO EXCEED 5.08 (.200 IN)
19. DIMESION FROM SURFACE OF PCB TO BOTTOM OF COMPONENT SHALL NOT EXCEED 6.4 (.250 IN) ON THE FOLLOWING COMPONENTS: C2 AND C3
20. FOR SERVICE ONLY: ON -0003 ASSEMBLIES ONLY INSTALL CAP (C1) TO COMPONENT SIDE AND SOLDER. CLIP OFF EXESSIVE LEAD LENGTHS. THIS APPLIES FOR ITEM 8 ONLY. IF ITEM 2 IS USED ITEMS 3,4,5,6, AND 7 MUST ALSO BE USED.

CONVERSION CHART	
MM	INCHES
2.54	.100
27.94	1.100
0.25	.010
0.5	.02
1.5	.06
ALM.	**INCH POUNDS**
~~0.86~~	~~0.500~~
~~0.88~~	~~0.000~~
~~0.89~~	~~0.000~~
~~0.11~~	~~1.000~~

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	CN439816 S. Skinner	8/28/79	
B	CN438086 S. Skinner	9/28/79	
C	CN450988 S. Skinner	3/23/79	
	UPDATE REVISION CONTROL BLOCK		
	FORMAL RELEASE		
D	CN 455694 (D) J.A.ROY	1/9/80	
	(1) ADD NOTES TO PROC. BLOCK. (2) ADD NOTES 13 & 14. (3) LM ADD IT 46 (46A. 4) UPDATE REVISION BLOCK. 5) CHNG NOTE 11. 7) NOTE 7 WAS "ITEMS 3,4,5". 8) LM IT 19 P/N WAS 5395442. 9) LM IT 43 WAS 416434-103 250V 3AG FI F3 F4		
E	CN 434145 (D) J.A.ROY	4/30/80	
	(1.) DELE IT 34 PN 418730-101 QTY 2 (2.) DELE IT 35 PN 411104-134 QTY 2 (3.) DELE IT 36 PN 972988-3 QTY 2 (4.) DELE IT 37 PN 411115-24 QTY 2 (5.) DELE IT 38 PN 418822-20 QTY 4 (6.) DELE IT 42 PN 231023-9 QTY AR (7.) ADD IT 47 (8.) DELE NOTE 16 (9.) SH 2 ZA-415 CHNG PICTORIAL PER LM CHNG (10.) UPDATE REV LEVEL BLOCK		
F	CN458429 (D) SD (1) QTY OF ITEM 39 & 18 WAS 5 (2) DELETED ITEMS 12, 16, 17 & 43 (3) UPDATED REV LEVEL BLOCK	7-11-80	
G	CN458488 (D) SD (1) ADDED -0002 AND NOTE 15 (2) UPDATED REV LEVEL BLOCK	9-4-80	
H	CN458458 (D) J.E. Mooney	10/22/80	
	(1) ADDED: NOTE 16, 0.89 AND 0.11 TO CONVERSION CHART (2) SH 2 ZD-3 DELETE ITEM 39 AND ADDED FLAG NOTE 16 (3) ITEM 0040 WAS 041101-0058 (4) UPDATE REV LEVEL BLK.		
J	CN 472314 (B) (1) NOTE 7 WAS ... (ITEMS 3,4,5,&45) ... (2) ON LM: QTY OF ITEM 5 WAS 1; DELETED ITEM 46 (3) UPDATED REV LVL BLK.	12/18/80	
K	CN466184 (B) J. KLEPAC (1) REVISED PER EXTENSIVE ENGRG CHANGES (2) UPDATED REV LEVEL BLOCK	4-24-81	
L	CN479199 (D) P (1) ADDED R2, R3, AND C3 TO PICTORIAL (2) ON -0002 LM ITEM 48 QTY WAS 1.00, ADDED 48A 49 AND 49A (3) UPDATED REV LEVEL BLOCK	11-3-81	
M	CN486853 (D) D (1) ON -0002 LM ADDED IT 50. (2) UPDATED REV LVL BLOCK	12-23-81	
N	CN477348 (D) SD (1) ON -2 LM AND PICTORIAL: DELETED ITEM 18, 29 AND 40 (2) DELETED NOTE 16 (3) UPDATED CC AND REV LEVEL BLOCK	4-30-82	
P	CN499784 (D) SD (1) ADDED: ITEM 51; NOTES 17, 18 AND 19 (2) REVISED NOTES 3 AND 4 (3) UPDATED REV LVL BLOCK	11-8-82	
R	CN505581 (D) SD	12-19-83	
T	CN511470 (C) SD	12-20-83	
U	CN520729 (D) M Kuhn	5-22-84	

METRIC

PART NUMBER	DESCRIPTION
994531-0003	MOTHERBOARD, 810 PRINTER, WITH C1 (SPARES)
994531-0002	MOTHERBOARD, 810 PRINTER
~~994531-0001~~	~~MOTHERBOARD, 810 PRINTER~~

PARTS LIST

ITEM NO	QTY	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES
3	SLDR	127-01	00		
2	SLDR	124-02	00		
1	MARK	100-02	21	HEIGHT: 1.5 ; COLOR: BLACK	

IDENT	P-SPEC	NO	ADDITIONAL
PROCESS		CLASSIFICATION	

PROCESSES — FOR CORRELATION TO GOVT AND SPECIFICATIONS, SEE TI DRAWING 72B457

REVISION LEVEL BLOCK	
SCHEM	F F G G G
PWB	E E G G G
ASSY	N P R T U
PWB	A B C C C C E E E E E F
SCHEMATIC	● ■ A A A C C C D D F F
ASSY	A B C D E F G H J K L M

994323 NEXT ASSY | 8733 USED ON APPLICATION

UNLESS OTHERWISE SPECIFIED: TOLERANCES: ANGLES ±1°; INTERPRET DRAWING PER MIL-D-1000; REMOVE ALL BURRS AND SHARP EDGES; DIMENSIONAL LIMITS APPLY BEFORE PROCESSES; PARENTHETICAL INFO FOR REF ONLY. HOLE TOLERANCE

DRAWN W.A. Pugh Jr 1/30/79; CHK'D [illegible] 2/28/79; ENGR [illegible] 2/28/79; QUALITY [illegible] 3/1/79; MFG [illegible] 3-30-79; APPD [illegible] 3-30-79

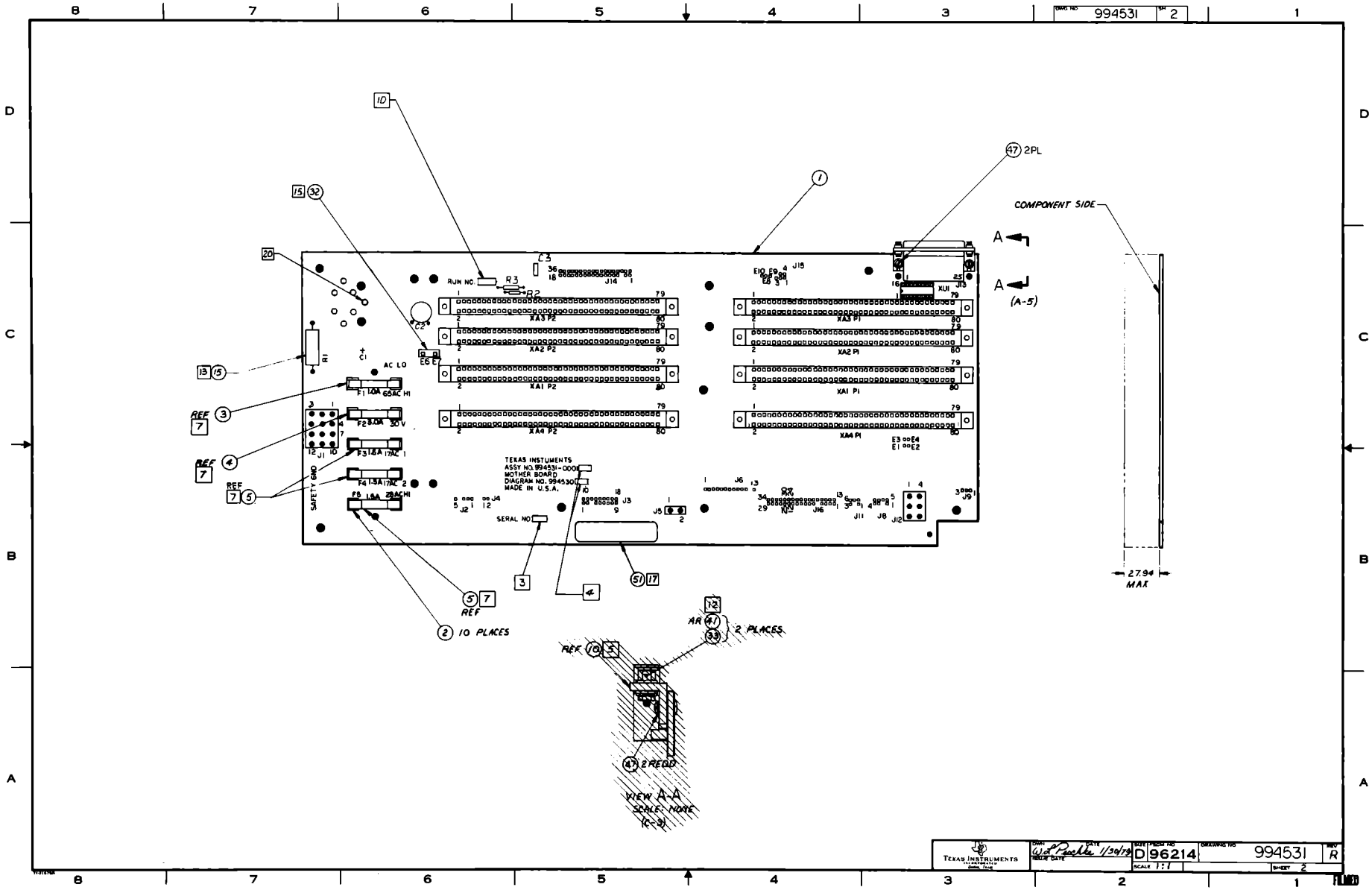
TEXAS INSTRUMENTS INCORPORATED Dallas, Texas

MOTHERBOARD, 810 PRINTER

SIZE D | FSCM NO 96214 | DRAWING NO 994531 REV U

SCALE 1:1 | SHEET 1 OF 2

320.1 LM


DWG NO. 994531 SH 2
10
47 2PL
1
15 32
20
COMPONENT SIDE
A
A
(A-5)
C3
RUN NO.
R3
R2
C2
C1
R1
AC LO
F1 10A 65AC HI
F2 8.0A 30V
F3 1.6A 17AC 1
F4 1.5A 17AC 2
F5 1.6A 250AC HI
SAFETY GND
J1
J2
J3
J4
J5
J6
J8
J9
J11
J12
J13
J14
J15
J16
XA3 P2
XA2 P2
XA1 P2
XA4 P2
XA3 P1
XA2 P1
XA1 P1
XA4 P1
XU1
TEXAS INSTUMENTS
ASSY NO. 994531-0004
MOTHER BOARD
DIAGRAM NO. 994530
MADE IN U.S.A.
SERIAL NO
13 15
REF 7 3
REF 7 4
REF 7 5
5 7 REF
2 10 PLACES
3
4
51 17
27.94 MAX
12
AR 41 2 PLACES
33
REF 10 3
41 2 REQD
VIEW A-A
SCALE: NONE
(C-3)
TEXAS INSTRUMENTS
DWN
DATE 1/30/79
CHK
ENGR DATE
MFG D96214
DRAWING NO 994531
REV R
SCALE 1:1
SHEET 2

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
0994531-0002	U	MOTHERBCARD,810 PRINTER

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994529-C001	PWB, MOTHER BOARD	EA
0002	00010.000	0772635-0001	CLIP,FUSE LIT -132068	EA
0003	00001.000	0410822-0019	FUSE 1.0 A 250V SLOW BLOW UL-APPVD BUS - MDL	EA
0003A			F1 BUS - MDL	
0004	00001.000	0411787-C012	FUSE 3.0 A 125V 3AG SLOW BLOW BUS - MDX	EA
0004A			F2 BUS - MDX	
0005	00003.000	0416434-0153	FUSE 1.5 A 250V 3AG LIT - 31201.5	EA
0005A			F3,F4,F5 LIT - 31201.5	
0006	00008.000	2210787-0004	CONN,40 POS. 5.285 LG PC BD DLK 073803-H431021-40	EA
0006A			XA1P1,XA1P2,XA2P1,XA2P2 073803-H431021-40	
0006B			XA3P1,XA3P2,XA4P1,XA4P2 073803-H431021-40	
0007	00001.000	0996166-0007	HEADER,SOCKET,12 CIRCUITS 1.050	EA
0007A			J1	
0008	00001.000	0996166-0005	HEADER,SOCKET,SHORT SOLDER T 6 CIRCUITS AMP - 350827-1	EA
0008A			J12 AMP - 350827-1	
0009	00001.000	0996166-C001	HEADER,SOCKET,SHORT SOLDER T 2 CIRCUITS AMP - 350824-1	EA
0009A			J5 AMP - 350824-1	
0010	00001.000	0972854-0005	CONN.RECEPT. 25-CONT. PC BOARD SEE TI- DRAWING	EA
0010A			J13 SEE TI- DRAWING	
0011	00132.000	0972456-0002	PIN,.025 SQUARE 5935-0800-000	EA
0011A			E1 THRU E4,E6 THRU E10 5935-0800-000	
0011B			J2,J3,J4,J6,J8,J9,J11,J14 5935-0800-000	
0011C			J15,J16 5935-0800-000	
0015	00001.000	0972942-C042	RES FIXED 1 K OHMS +5% 5 WATT DAL - CW OR RS	EA
0015A			R1 DAL - CW OR RS	
0019	00001.000	2210188-0003	SOCKET,LOW PROFILE,DIP,16 CONT 003612-DILB16P-108	EA
0019A			XU1 003612-DILB16P-108	
0032	00001.000	0972487-C001	JUMPER PLUG,CONNECTOR BLACK 5935-0900-000	EA
0032A			JUMPER E6 TO E7 5935-0900-000	
0044	REF	0994530-0001	DIAG, LOGIC, MOTHER BOARD	EA
0045	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
3994531-0002	U	MOTHERBOARD,810 PRINTER

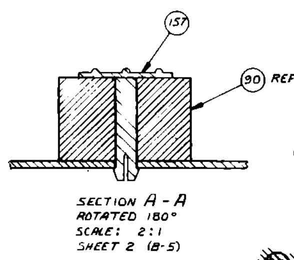
ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0047	00002.000	0085936-0064	EYELET-ROLLED FLANGE,.116 O.D.,.219 L	EA
0048	00002.000	0996810-0007	CAPACITOR,3900PF 400V 20% CER,DIN TYPE	EA
			DRALOR-SDPJ184J00VN	
0048A			C2,C3	
			DRALOR-SDPJ184J00VN	
0049	00002.000	0972946-0065	RES FIX 1.3K OHM 5% .25 W CARBON FILM	EA
			ROH - R-25	
0049A			R2,R3	
			ROH - R-25	
0050	00001.000	0972037-1470	NETWORK,RES 47 OHM 2% 16PIN 8ELEMENT	EA
			1223-1470-000	
0050A			U1	
			1223-1470-000	
0051	00001.000	2363830-0002	LABEL,SYMBOLIZATION (51MM X 13MM)	EA
			1225- -000	
0052	00000.000	0972676-0001	CONNECTOR-CARD EDGE,80 PIN,SOLDER POST	EA
0052A			XA1P1,XA1P2,XA2P1,XA2P2	
0052B			XA3P1,XA3P2,XA4P1,XA4P2	
0052C			* ALTERNATE FOR ITEM 6	

NOTES: UNLESS OTHERWISE SPECIFIED

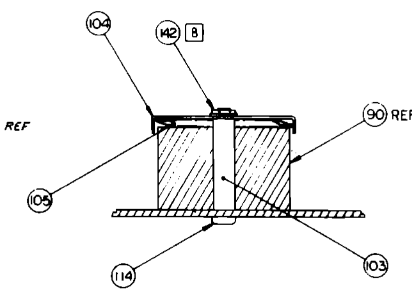
1. DIMENSIONS ARE IN MILLIMETRES
2. DO NOT SOLDER ON COMPONENT SIDE
3. MASK ALL CONN FINGERS ON BOTH SIDES OF BOARD WHEN SOLDERING TO PREVENT SOLDER FROM WICKING DOWN FINGERS
4. [illegible] NOTE 15. MARK ASSEMBLY SITE/DATE CODE IN LOCATION SHOWN PER PROCESS I AND ITEM 127 PARA 4.0
5. *ALTERNATE METHOD FOR NOTE 15,* MARK APPROPRIATE REVISION LETTER IN LOCATION SHOWN PER PROCESS I AND REVISION LEVEL BLOCK
6. HEATSINK MUST BE SQUARELY ON LOCATION AND MUST NOT TOUCH AND SHORT OUT ADJACENT COMPONENT LEADS OR CONDUCTOR RUNS
7. ~~MOUNT DISC (ITEM 89) TO SUPPORT (ITEM 100) USING PRIMER (ITEM 93) AND SILICONE (RTV) (ITEM 94) PRIMER REQUIRED ON DISC ONLY.~~
8. TORQUE TO .56±.11 NEWTON-METER
9. TORQUE TO .40 ±.06 NEWTON-METER
10. ~~TO INSTALL BELL, LINE UP CENTER PRONGS WITH LARGE HOLE IN P C BOARD AND LINE UP LOCATING TAB WITH SMALL HOLE THEN PRESS CENTER OF BELL TILL PRONGS HAVE SEATED IN HOLE. SOLDER THE FOLLOWING WIRES, YELLOW OUTSIDE SECTION TO E3, SMALL WHITE INSIDE SECTION TO E2, LARGE WHITE INSIDE SECTION TO E1. NEATLY R.T.V. (ITEM 94) EXTRA WIRE LENGTH TO BOARD KEEPING R.T.V. OFF PT HOLES.~~
11. MAX LEAD LENGTH TO BE 1.57 FROM CONDUCTOR SIDE OF BOARD
12. GENERAL TOLERANCES: ONE PLACE ± 0.5, TWO PLACES ± 0.25
13. THIS ASSEMBLY IS USED IN A UL, CSA, VDE, ETC RECOGNIZED MACHINE. ANY MODIFICATION SHOULD HAVE SAFETY AND EMI IMPICATIONS INVESTIGATED WITH THE APPROPRIATE AGENCY
14. *ALTERNATE METHOD FOR NOTE 15 MARK APPROPRIATE* RUN NUMBER IN LOCATION SHOWN PER PROCESS ONE

(CONTINUED ON PAGE 2)

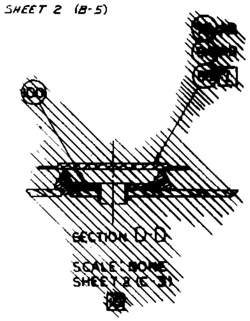
CONVERSION CHART	
mm	INCHES
0.25	.010
0.5	.02
1.57	.062
33.02	1.300
1.5	.06
4.76	.188
N.M.	INCH POUND
0.06	5
0.11	1.0
0.40	3.5
0.56	5.0



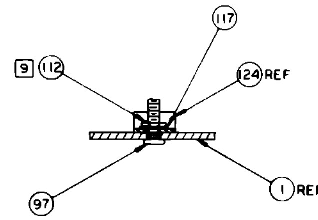
SECTION A-A
ROTATED 180°
SCALE: 2:1
SHEET 2 (B-5)



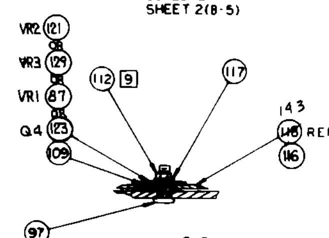
SECTION A-A
ROTATED 180°
SCALE: 2:1
SHEET 2 (B-5)
(ALTERNATE)



SECTION D-D
SCALE: NONE
SHEET 2 (C-3)



SECTION B-B
ROTATED 90° CW
SCALE: 2:1
SHEET 2 (B-5)



SECTION C-C
ROTATED 45° CW
2 PLACES (VR2, VR3)
ROTATED 135° CCW
2 PLACES (VR1, Q4)
SCALE: 2:1
SHEET 2 (C-5)

THIRD ANGLE PROJECTION

METRIC

994534

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	CN380911	3/28/79	
B	CN438085 ADD NOTE 13 FORMAL RELEASE	9/28/79	
C	CN 435603 REKHA SETH LM 1 THE FOLLOWING LIST OF ITEMS ARE DELE AND ADDED TO LM-5001 1 THRU 7 10 THRU 12,14,15,16,18 THRU 30,34 THRU 48,50 THRU 55,60,65 THRU 69,82,135 THRU 137 (2) LM-1 ITEM 31 QTY WAS 7 ITEM 114 P/N WAS 0972988-21 ADDED ITEM 138 (3) LM 5001 ADD ITEM 31	7/11/79	
D	CN457624 REKHA SETH LM-1 DELE ITEM 106 P/N WAS 83694-3 2) LM-5001 ITEM 60 P/N WAS 539373-0323, ITEM 2 QTY WAS 2. DELE ITEM 10 P/N WAS 539812-0050. DELE ITEM 11 P/N WAS 539812-0019. ITEM 14 P/N WAS 539812-0052. ITEM 15 P/N WAS 539812-0051, ITEM 16 P/N WAS 0539812-57 QTY 2. ITEM 21 P/N WAS 539370-0385, ITEM 27 P/N WAS 972937-0419. ADDED ITEM 139 & 140. UPDATED REV LEVEL BLOCK		
E	CN455630(E) D Stamm -1LM P/N WAS 996332-5	2-6-79	
F	CN 455620 (D) J.A.ROY 1) MOVED NOTE '4' FROM ZONE 3A 2) SEC 'C-C' ADDED REF DESG 3) CHNG CALLOUTS ON SEC 'C-C' 4) ADD NOTE '14' TO PROCESS BLOCK 5) ADD ITEM 93 TO NOTE '7' 6) CHNG CALLOUTS ON SEC DD 7) LM-1 ITEM 93 WAS 47200-4, RED & UPDATE REVISION BLOCK 9) ITEM 107 WAS 6 PLACES DELETE FROM C-9, C-10, C 11, C 15, C 16, C 17 (10) LM-1 ITEM 99 DELETED 11) ADD NOTE 15	1/18/80	
G	CN 454967 (D) J.A.ROY LM-1 IT 112 WAS P/N 41115-44	2-7-80	
H	CN459647(E) 1) 5001 ITEM 7 QTY WAS 1, ADDED 7A & 7B [illegible] ED ITEM 141 (2) UPDATED REV LEVEL BLOCK		
J	CN 465785 (D) (1) [illegible] -0001 LM. ITEM 122 P/N WAS 0996298-0001 [illegible] DELETED ITEM 98 3) UPDATED REV LVL BLK.		
K	CN 472318 (D) (1) ADDED ITEM 142 (2) ITEM 117 (QT) WAS [illegible] (3) ITEM 117 (QT) WAS [illegible]		
L	CN472331 (D) 1) ADDED ITEM 142 (2) REV NOTE 10 (3) DELETED ITEMS 101,102,95, FROM LM (PICTORIAL (4) DELETED ITEM 96 PICTORIAL +LM (5) UPDATED REV LEVEL BLOCK		
M	CN477626 (D) (DON -0001 DELETED ITEMS 95 101 AND 102 (3) UPDATED REV LEVEL BLOCK		
N	CN477741 (D) PRUNYON [illegible] REV PER EXT ENGR CHANGES (2) UPDATED [illegible]	4-5-82	
P	CN477738 (E) D Howard 1) UPDATED REV BLK (2) [illegible] 0972924-0011, ADDED IT [illegible]		
R	CN500822 (D) D. Stamm 1) REV PER EXT ENGR CHANGES		

REVISIONS CONTINUED [illegible] S-2

PART NUMBER	DESCRIPTION
994534-[illegible]	[illegible]
994534-5501	PEP. SUPPLY, SEQUENCE TAPE FOR -5001
994534-5[illegible]	POWER SUPPLY ASSY, AUTO INSERTED PARTS
994534-[illegible]	P.E. ASSY, POWER SUPPLY, BID

PARTS LIST

REVISION LEVEL																		
LOGIC	E	E	E	E														
PWB	W	J	J	J														
ASSEMBLY	T	U	V	N														
LOGIC 994833	[illegible]	A	C	C	C	C	C	D	D	E	E	E	E	E				
PWB 994832	A	B	B	B	B	C	C	D	F	G	G	G	G	G				
ASSEMBLY 994834	A	B	B	C	D	E	E	G	H	J	K	L	M	N	P	R		

994323 | 0733 | APPLICATION

3	SLDR	127-01	00
2	SLDR	124-02	00
1	MARK	100-02	21

WEIGHT 1.5 COLOR: BLACK

CLASSIFICATION

TEXAS INSTRUMENTS INCORPORATED Dallas, Texas

POWER SUPPLY ASSY, BID

D 96214

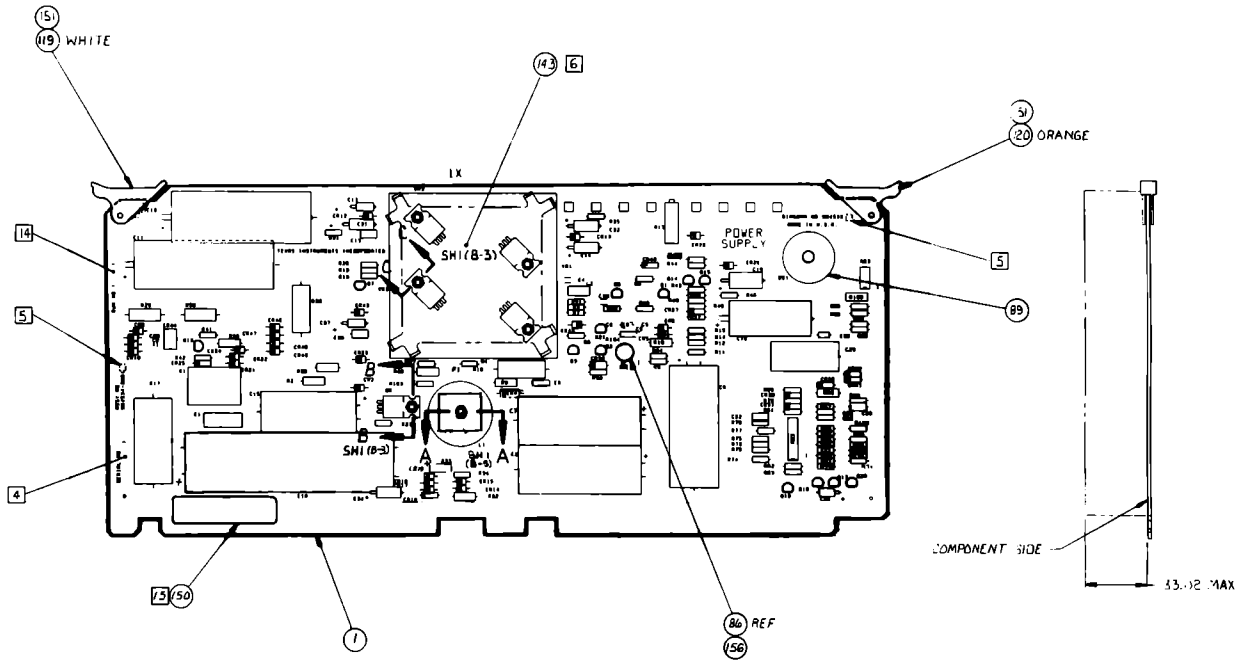
NOTE: CONTINUED

15 LOCATE LABEL (ITEM 150) IN BOTTOM LEFT OF PC BOARD IN APPROXIMATE LOCATION AS SHOWN.

16. ITEMS 57, 58, 62, 92, 122, 125 AND 126 ARE TO BE PREPPED FOR STAND-OFF NOT TO EXCEED 5.08 .200 IN

DRAWING NO 994534 SH 2

REV	REVISIONS CONTINUED	DATE	APPROVED
T	CN 499786 (D) R. KARL (1) ADD NOTES 15 AND 16 (2) CHG NOTES 4, 5 AND 14 (3) ADD LABEL (ITEM 150)	11-8-82	
U	CN499777 (D) [illegible] (1) UPDATED REV LETTER	1-82	
V	CN 466172 (D) R. KARL (1) REVISED PER EXTENSIVE ENGR. CHANGES	1/20/83	
W	CN 501751 (D) R. KARL (1) ADDED ITEM (51) ENTITY (2) CHANGED DRAWING TITLE	9/26/83	



TEXAS INSTRUMENTS

DRAWN PAUL RUNYON 4 30 82

ENGR DATE

PROJECT NO D06668

DRAWING NO 994534

REV W

SCALE 1:1

SHEET 2

602-6

List of Materials

01/28/84

PART NUMBER	REV	DESCRIPTION
0994534-0001	W	PWB ASSY, POWER SUPPLY, 810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0008	00000.000	0972806-0003	DIODE VM18 BRIDGE,DUAL-IN-LINE,1 AMP	EA
			-VM18	
0008A			*CR44,ITEM 8 MAY BE	
			-VM18	
0008B			*SUBSTITUTED AS AN ALT	
			-VM18	
0008C			*FOR ITEM 4 CR8 THRU CR11	
			-VM18	
0057	00001.000	0972942-0026	RES FIX 4.70 K OHMS 5% 5 WATT WIREWOUND	EA
			OHM - 995-4641	
0057A			R39	
			OHM - 995-4641	
0058	00001.000	0996272-0004	RESISTOR,FIXED,POWER,AXIAL LEADS	EA
			SEE TI- DWG	
0058A			R10	
			SEE TI- DWG	
0062	00002.000	0972978-0103	RES FIXED COMP 1.2K 1 WATT 5%	EA
			QPL - RCR32G122JS	
0062A			R29,R30	
			QPL - RCR32G122JS	
0064	00001.000	0539795-0007	RES VAR CERMET 1.0 K OHMS 10 % .75 WATT	EA
			BOU -3069P-1-102	
0064A			R13	
			BOU -3069P-1-102	
0071	00002.000	0972929-0385	CAP FIX CERAMIC 220 PF 10% 200V	EA
			SEE - TI DRAWING	
0071A			C5,C30	
			SEE - TI DRAWING	
0072	00001.000	0972965-0012	CAP FXD .010UF,10%,200V, CERAMIC	EA
			QPL - CK06BX103K	
0072A			C3	
			QPL - CK06BX103K	
0073	00001.000	0972965-0024	CAP FXD .100UF,10%,100V, CERAMIC	EA
			QPL - CK06BX104K	
0073A			C4	
			QPL - CK06BX104K	
0074	00001.000	0419051-0474	CAP FIX FILM FOIL .470 UF 5% 200VDC	EA
			TRW - 663UW	
0074A			C23	
			TRW - 663UW	
0075	00001.000	0996335-0001	CAP FIXED 12.0MF 100V	EA
0075A			C17	
0076	00001.000	2211700-0023	CAPACITOR,AL,ELEC,68 UF,16V	EA
			SEE TI- DRAWING	
0076A			C19	
			SEE TI- DRAWING	
0077	00001.000	2210272-0002	CAP, ELECTLT, 1200MFD, 15DCWV,-10,+75%	EA
0077A			C18	
0078	00001.000	0996479-0001	CAP,FIXED 850MF 125V	EA
			052689-604D186	
0078A			C16	
			052689-604D186	
0079	00001.000	0507315-0033	CAP 1500 UF 40V 45%	EA
			-39D158G040HP5	
0079A			C11	
			-39D158G040HP5	
0084	00001.000	0972663-0001	NETWORK,LM339N	EA

List of Materials

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PART NUMBER	REV	DESCRIPTION
0994534-0001	W	PWB ASSY, POWER SUPPLY, 810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0084A			AR2	
0085	00001.000	0996311-0009	CAPACITOR,0.1000 UF 400 VDC 10%	EA
			012406-ZD1R104	
0085A			C1	
			012406-ZD1R104	
0086	00000.000	0222224-0305	NETWORK LM305H OPERATIONAL AMP	EA
			-LM305H	
0086A			*MAY BE USED AS AN ALT	
			-LM305H	
0086B			*FOR ITEM 148.IF ITEM 86 IS	
			-LM305H	
0086C			*USED ITEM 156 MUST BE	
			-LM305H	
0086D			*USED WITH IT	
			-LM305H	
0087	00001.000	0972499-0002	NETWORK,VOLG REG,NEG,3 TERM-(-12V)	EA
0087A			VR1	
0089	00001.000	2210858-0001	BUZZER, PIEZOELECTRIC	EA
			SEE TI- DRAWING	
0089A			DS1	
			SEE TI- DRAWING	
0090	00001.000	0996322-0001	INDUCTOR FIXED 205UH	EA
			GFS - 76205-1	
0090A			L1	
			GFS - 76205-1	
0091	00001.000	0996281-0006	RECTIFIER,SS3892/UES1302,V(R)100V I(O)6A	EA
			014099-SS3892	
0091A			CR4	
			014099-SS3892	
0092	00003.000	2210224-0001	XSTR,N-P-N,HIGH VOLTAGE	EA
			001295-2N4410	
0092A			Q1,Q2,Q7	
			001295-2N4410	
0096	00001.000	0996331-0001	RELAY,SPNO 3 AMP 12 VDC	EA
			082415-27A21D12	
0096A			K1	
			082415-27A21D12	
0097	00005.000	0972355-0003	STUD,CLINCH,.375 LONG,BRONZE	EA
			046384-KFH-440-6	
0103	00000.000	0416925-0411	SPACER #4 3/16 X .028 SCREW & BOLT	EA
0104	00000.000	0972306-0002	COVER ROUND	EA
0105	00000.000	0972621-0002	SPRING RING	EA
			5360-2000-000	
0109	00004.000	0996521-0010	INSULATOR, .147DIA .750LG .500W	EA
			055285-7403-09FR-54	
0112	00005.000	0416453-0021	NUT,PLAIN,4-40 UNC-2B HEX,CRES,SMALL	EA
			QPL - NAS671-C4	
0114	00000.000	0972908-0121	SCREW 4-40 X.1.12 PAN HEAD CRES	EA
0116	00004.000	0972628-0019	WASHER, #4 ID .118 OD .250	EA
			091201-5607-50	
0117	00005.000	0411101-0057	LOCKWASHER # 4 EXTERNAL TOOTH CRES	EA
			QPL - MS35335-57	
0118	00000.000	0996332-0005	HEAT SINK, MDM, SOURCE 12318-5	EA
			SEE TI- DRAWING	
0118A			*MAY BE USED AS AN ALTERNAT	
			SEE TI- DRAWING	

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PART NUMBER REV DESCRIPTION.....
0994534-0001 W PWB ASSY, POWER SUPPLY, 810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0118B			*FOR ITEM 143 SEE TI- DRAWING	
0119	00001.000	0413277-0001	EJECTOR,PCB,NON-LOCKING,WHITE SCA -S-200(NATURAL)	EA
0120	00001.000	0413277-0004	EJECTOR,PCB,NON-LOCKING,ORANGE SCA -S-200(ORANGE)	EA
0121	00001.000	0996438-0002	IC,UA78M12UC VOL REG THREE TERMINAL 009404-2UA78M12UC	EA
0121A			VR2 009404-2UA78M12UC	
0122	00001.000	2211506-0001	TRANSISTOR,PNP,SILICON,1.0A,60V SEE TI- DRAWING	EA
0122A			Q3 SEE TI- DRAWING	
0123	00001.000	0972962-0002	TRANSISTOR TIP41C POWER AMP & HIGH-SPEED TI -TIP41C	EA
0123A			Q4 TI -TIP41C	
0124	00001.000	0996450-0001	TRANSISTOR TIP115,P-N-P DARLINGTON 001295-TIP115	EA
0124A			Q8 001295-TIP115	
0125	00004.000	2211415-0001	TRANSISTOR NPN	EA
0125A			Q6,Q18,Q19,Q20	
0126	00005.000	2211416-0001	TRANSISTOR,PNP SEE TI- DRAWING	EA
0126A			Q13,Q14,Q15,Q17,Q21 SEE TI- DRAWING	
0127	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0128	REF	0994533-0001	DIAG, LOGIC, POWER SUPPLY,810	EA
0129	00001.000	2210227-0001	IC,POS VOLT REG,3-PIN,TO-220AB 001295-UA7808C	EA
0129A			VR3 001295-UA7808C	
0131	00001.000	0996326-0006	CAPACITOR 1700UF 10 DCWV ELECTROLYTIC 001939-673D233	EA
0131A			C15 001939-673D233	
0132	00002.000	0996326-0007	CAPACITOR 4400UF 7.5 DCWV ELECTROLYTIC 001939-673D234	EA
0132A			C7,C9 001939-673D234	
0133	00001.000	0996326-0008	CAPACITOR 1000UF 50 DCWV ELECTROLYTIC 001939-673D235	EA
0133A			C2 001939-673D235	
0134	00001.000	2210272-0001	CAP,ELECTLT,2100 MFD, 40DCWV,-10,+75%	EA
0134A			C10	
0138	00001.000	0994534-5001	POWER SUPPLY ASSY,AUTO INSERTED PARTS 1225-5534-999	EA
0141	00001.000	0972118-0001	DIODE, IN5339B	EA
0141A			CR39	
0142	00000.000	2210006-0001	ASSY,HEX NUT,LOCKWASHERS, 4-40 092550-SEE DRAWING	EA

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PART NUMBER	REV	DESCRIPTION
0994534-0001	W	PWB ASSY, POWER SUPPLY, 810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0143	00001.000	0996332-0006	HEAT SINK,4 TO-66 HOLE PATTERNS	EA
			SEE TI- DRAWING	
0143A			*ITEM 118 MAY BE USED AS AN	
			SEE TI- DRAWING	
0143B			*ALTERNATE FOR ITEM 143	
			SEE TI- DRAWING	
0144	00001.000	0222225-2311	NETWORK,COMPARATOR,SEE DRAWING	EA
			SEE - TI DRAWING	
0144A			AR3	
			SEE - TI DRAWING	
0148	00001.000	0996200-0001	IC,LM376N VOLTAGE REGULATOR	EA
			NSC - LM376N	
0148A			AR1	
			NSC - LM376N	
0148B			*ITEM 86 MAY BE USED AS ALT	
			NSC - LM376N	
0149	00000.000	0972924-0011	CAP FIX TANT SOLID 68 MFD 10 % 15 VOLT	EA
			QPL -M39003/1-2274	
0149A			*ALTERNATE FOR ITEM 76	
			QPL -M39003/1-2274	
0150	00001.000	2363830-0002	LABEL,SYMBOLIZATION (51MM X 13MM)	EA
			1225- -000	
0151	00002.000	0085936-0065	EYELET,ROLLED FLANGE,.089 O.D. X .312 LG	EA
0151A			* USED WITH ITEMS 119 & 120	
0156	00000.000	0538622-0065	MOUNTING PADS,SEMICONDUCTOR DEVICES	EA
			SEE TI- DRAWING	
0156A			*THIS PART MUST BE USED	
			SEE TI- DRAWING	
0156B			*WHEN ALT ITEM 86 IS USED	
			SEE TI- DRAWING	
0157	00001.000	2360085-0001	CLIP,INDUCTOR	EA
			1255-0076-007	
9999	00000.000	0239999-9999	COST, SHRINKAGE	EA

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PART NUMBER	REV	DESCRIPTION
0994534-5001	W	POWER SUPPLY ASSY,AUTO INSERTED PARTS

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994532-0001	PWB, POWER SUPPLY	EA
0009	00001.000	0994534-5501	PWR SUPPLY,SEQUENCE TAPE FOR -5001	EA
			1225-4534-194	

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PART NUMBER REV DESCRIPTION.....
0994534-5501 W PWR SUPPLY,SEQUENCE TAPE FOR -5001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0002	00001.000	0972460-0006	DIODE E7918,SILICON,ZENER-1%	EA
			075222-E7918	
0002A			CR16	
			075222-E7918	
0003	00006.000	0972932-0001	DIODE 1N914B	EA
			SEE TI- DRAWING	
0003A			CR25,CR27,CR30,CR31,CR41	
			SEE TI- DRAWING	
0003B			CR42	
			SEE TI- DRAWING	
0004	00021.000	0539468-0002	DIODE,1N4002 1AMP 100PIV RECTIFIER	EA
			TI - IN4002	
0004A			CR2,CR5,CR6,CR8,CR9,CR10,	
			TI - IN4002	
0004B			CR11,CR12,CR13,CR14,CR15,	
			TI - IN4002	
0004C			CR17,CR18,CR19,CR21,CR22,	
			TI - IN4002	
0004D			CR23,CR26,CR28,CR43,CR45	
			TI - IN4002	
0005	00001.000	0972934-0012	DIODE,1N757A 9.1 V 5% SIL VOLT REG	EA
			QPL - 1N757A	
0005A			CR40	
			QPL - 1N757A	
0006	00005.000	0539468-0003	DIODE,1N4003 1AMP 200PIV RECTIFIER	EA
			TI - IN4003	
0006A			CR24,CR46,CR47,CR48,CR49	
			TI - IN4003	
0012	00002.000	0972936-0414	RES 1.00 M-OHM .125W 1% FIXED FILM	EA
			81349R-NC55H1004FM	
0012A			R62,R66	
			81349R-NC55H1004FM	
0014	00001.000	0539370-0413	RES FIX FILM 1.96K OHM 1% .25 WATT	EA
			COR - NA55	
0014A			R78	
			COR - NA55	
0015	00001.000	0539371-0630	RESISTOR,357K OHMS1/8 W 50 PPM/C	EA
0015A			R75	
0016	00001.000	0539370-0449	RES FIX FILM 4.64K OHM 1% .25 WATT	EA
			COR - NA55	
0016A			R73	
			COR - NA55	
0018	00001.000	0539370-0346	RES FIX FILM 392 OHM 1% .25 WATT	EA
			COR - NA55	
0018A			R59	
			COR - NA55	
0019	00001.000	0539370-0364	RES FIX FILM 604 OHM 1% .25 WATT	EA
			COR - NA55	
0019A			R60	
			COR - NA55	
0020	00001.000	0539370-0369	RES FIX FILM 681 OHM 1% .25 WATT	EA
			COR - NA55	
0020A			R46	
			COR - NA55	
0021	00001.000	0539370-0378	RES,FIXED FILM 845 OHMS 1% .25 WATT	EA
			016299-	
0021A			R57	
			016299-	
0022	00001.000	0539370-0434	RES FIX FILM 3.24K OHM 1% .25 WATT	EA
			COR - NA55	

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PART NUMBER	REV	DESCRIPTION
0994534-5501	W	PWR SUPPLY,SEQUENCE TAPE FOR -5001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0022A			R14	
			COR - NA55	
0023	00001.000	0539370-0450	RES FIX FILM 4.75K OHM 1% .25 WATT	EA
			COR - NA55	
0023A			R43	
			COR - NA55	
0024	00001.000	0539370-0462	RES FIX FILM 6.34K OHM 1% .25 WATT	EA
			COR - NA55	
0024A			R12	
			COR - NA55	
0025	00001.000	0539370-0481	RES FIX FILM 10.0K OHM 1% .25 WATT	EA
			COR -NA55D-100PPM/C	
0025A			R45	
			COR -NA55D-100PPM/C	
0026	00001.000	0539370-0577	RES FIX FILM 100 K OHM 1% .25 WATT	EA
			COR - NA55	
0026A			R56	
			COR - NA55	
0027	00002.000	0539371-0672	RES,FXD,FILM, 976KOHMS, 1%, 200 VDC	EA
			016299-SEE DWG	
0027A			R74,R77	
			016299-SEE DWG	
0028	00001.000	0972946-0017	RES FIX 10.0 OHM 5 % .25 W.CARBON FILM	EA
			ROH - R-25	
0028A			R7	
			ROH - R-25	
0029	00002.000	0972946-0027	RES FIX 27.0 OHM 5 % .25 W.CARBON FILM	EA
			ROH - R-25	
0029A			R11,R15	
			ROH - R-25	
0031	00007.000	0972946-0041	RES FIX 100 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0031A			R50,R58,R69,R79,R100,R104	
			ROH - R-25	
0031B			R105	
			ROH - R-25	
0032	00001.000	0972946-0048	RES FIX 200 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0032A			R47	
			ROH - R-25	
0034	00011.000	0972946-0065	RES FIX 1.0K OHM 5% .25 W CARBON FILM	EA
			ROH - R-25	
0034A			R4,R17,R19,R21,R31,R34,R35,	
			ROH - R-25	
0034B			R37,R42,R71,R103	
			ROH - R-25	
0036	00004.000	0972946-0072	RES FIX 2.0K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0036A			R49,R63,R89,R92	
			ROH - R-25	
0037	00001.000	0972946-0073	RES FIX 2.2K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0037A			R41	
			ROH - R-25	
0038	00001.000	0972946-0082	RES FIX 5.1K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0038A			R90	
			ROH - R-25	
0039	00009.000	0972946-0089	RES FIX 10K OHM 5% .25 W CARBON FILM	EA
			1658- -000	
0039A			R3,R48,R61,R64,R65,R80,R95	
			1658- -000	

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PART NUMBER	REV	DESCRIPTION
0994534-5501	W	PWR SUPPLY,SEQUENCE TAPE FOR -5001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0039B			R96,R99	
			1658- -000	
0041	00001.000	0972946-0031	RES FIX 39.0 OHM 5 % .25 W.CARBON FILM	EA
			ROH - R-25	
0041A			R72	
			ROH - R-25	
0042	00001.000	0972946-0053	RES FIX 330 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0042A			R44	
			ROH - R-25	
0043	00001.000	0972946-0015	RES FIX 8.2 OHM 5% .25W CARBON FILM	EA
			ROH - R-25	
0043A			R9	
			ROH - R-25	
0044	00001.000	0972946-0005	RES FIX 3.30 OHM 5 % .25 W CARBON FILM	EA
			1271- -000	
0044A			R94	
			1271- -000	
0045	00001.000	0972946-0043	RES FIX 120 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0045A			R6	
			ROH - R-25	
0046	00001.000	0972946-0139	RES FIX 1.2M OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0046A			R91	
			ROH - R-25	
0047	00001.000	0972946-0062	RES FIX 750 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0047A			R18	
			ROH - R-25	
0048	00001.000	0972946-0061	RES FIX 680 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0048A			R20	
			ROH - R-25	
0050	00003.000	0972947-0017	RES FIX 10 OHM 5 % .5 W CARBON FILM	EA
			ROH - R-50	
0050A			R16,R32,R36	
			ROH - R-50	
0051	00001.000	0972947-0050	RES FIX 240 OHM 5% .5 W CARBON FILM	EA
			ROH - R-50	
0051A			R33	
			ROH - R-50	
0052	00001.000	0972947-0053	RES FIX 330 OHM 5% .5 W CARBON FILM	EA
			ROH - R-50	
0052A			R8	
			ROH - R-50	
0053	00001.000	0972947-0057	RES FIX 470 OHM 5% .5 W CARBON FILM	EA
			ROH - R-50	
0053A			R38	
			ROH - R-50	
0054	00001.000	0972947-0100	RES FIX 30 K OHM 5% .5 W CARBON FILM	EA
			ROH - R-50	
0054A			R40	
			ROH - R-50	
0055	00001.000	0972947-0089	RES FIX 10 K OHM 5% .5 W CARBON FILM	EA
			ROH - R-50	
0055A			R2	
			ROH - R-50	
0060	00001.000	0539373-0333	RES,FXFLM 287 OHM 1%	EA
0060A			R53	

List of Materials

01/28/84

PART NUMBER	REV	DESCRIPTION
0994534-5501	W	PWR SUPPLY,SEQUENCE TAPE FOR -5001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0065	00001.000	0972924-0009	CAP FIX TANT SOLID 3.3 MFD 10 % 15 VOLT	EA
			QPL -M39003/1-2268	
0065A			C26	
			QPL -M39003/1-2268	
0066	00005.000	0972763-0025	CAPACITOR,.10UF 50V FX,CERAMIC DIEL	EA
			COR CA-C03Z5U104Z050A	
0066A			C13,C20,C21,C22,C38	
			COR CA-C03Z5U104Z050A	
0067	00002.000	0418356-2344	CAP FIX 0.22 MF 50V 10% TANTALUM SOLID	EA
			SEE TI- DRAWING	
0067A			C12,C37	
			SEE TI- DRAWING	
0068	00004.000	0972924-0018	CAP FIX TANT SOLID 6.8 UFD 10 % 35 VOLT	EA
			QPL -M39003/1-2304	
0068A			C14,C31,C32,C34	
			QPL -M39003/1-2304	
0069	00001.000	0972763-0013	CAP,FIXED .010UF 50 VOLTS	EA
			004222-MC105E103Z	
0069A			C6	
			004222-MC105E103Z	
0082	00001.000	0538429-0020	COIL RF 220 UH 7.5 OHM 103 MA LT10K	EA
			QPL - MS90538-20	
0082A			L2	
			QPL - MS90538-20	
0135	00001.000	0972946-0075	RES FIX 2.7K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0135A			R67	
			ROH - R-25	
0136	00001.000	0972946-0093	RES FIX 15K OHM 5% .25 W CARBON FILM	EA
			ROH - R-25	
0136A			R68	
			ROH - R-25	
0137	00001.000	0972946-0083	RES FIX 5.6K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0137A			R70	
			ROH - R-25	
0139	00001.000	0972460-0005	DIODE,SILICON,ZENER-1%,4.7V	EA
0139A			CR29	
0140	00001.000	0539370-0427	RES FIX FILM 2.74K OHM 1% .25 WATT	EA
			COR - NA55	
0140A			R76	
			COR - NA55	
0145	00001.000	0972946-0095	RES FIX 18K OHM 5% .25 W CARBON FILM	EA
			ROH - R-25	
0145A			R98	
			ROH - R-25	
0146	00001.000	0972947-0055	RES FIX 390 OHM 5% .5 W CARBON FILM	EA
			ROH - R-50	
0146A			R106	
			ROH - R-50	
0147	00001.000	0972757-0025	CAP FIX CER .01MF 10% 50V	EA
0147A			C33	
0155	00001.000	0972613-0011	FUSE, CARTRIDGE 5.0 AMPS	EA
			SEE TI- DRAWING	
0155A			F1	
			SEE TI- DRAWING	

List of Materials

01/28/84

PART NUMBER	REV	DESCRIPTION
0994534-8001	W	PWB ASSY, POWER SUPPLY, 810 (SPARES)

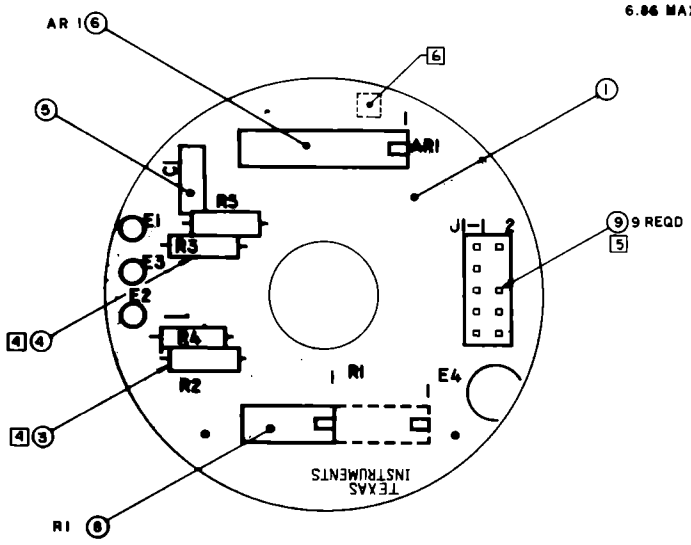
ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994534-0001	PWB ASSY, POWER SUPPLY, 810 1225-1534-999	EA

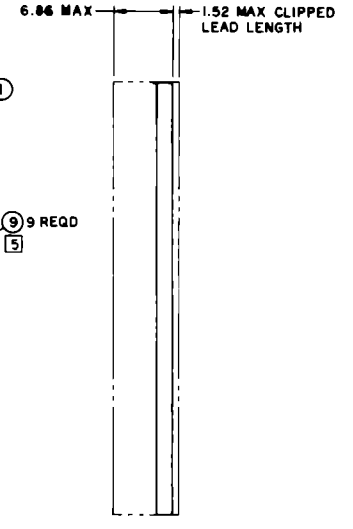
DWG NO 994541

NOTES UNLESS OTHERWISE SPECIFIED

1. ALL DIMENSIONS ARE IN MILLIMETERS
2. GENERAL TOLERANCES:
   ONE PLACE DECIMALS = ± 0.5
   TWO PLACE DECIMALS = ± 0.25
3. CONCENTRICITY MACHINED DIAMETERS 0.25 FIM
4. RESISTOR R2 (ITEM 3) AND RESISTOR R3 (ITEM 4) ARE USED ON 994541-0002 ONLY
5. ON 994541-0001 ONLY 7 REQUIRED J1-1 AND J1-6 ARE NOT USED
6. MARK ASSEMBLY DASH NUMBER AND REVISION LETTER

CONVERSION CHART	
mm	INCHES
0.25	.010
0.5	.02
1.52	.060
6.86	.270





REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	CN433620	8-21-79	D Stamm
B	CN 444942	8-21-79	D Stamm
C	CN 444983	8-22-79	D Stamm
D	CN434033 Z. PALMER D-0001&-0002 LM ITEM 1 QTY WAS 1	11-8-79	D Stamm
E	CN445766(D) V Higgins D LM ITEM 9 QTY WAS 9 2)ADD NOTE 5 TO DWG	12/13/79	D Stamm
F	CN460094 (D) J.A.ROY LM IT 1 WAS QTY .048	1/24/80	J.A.R.
G	CN491209(D) ST... (1)ADDED NOTE 6 AND TEXAS INSTRUMENTS (2) DELETED "ENCODER" ZN C-6	3-4-80	...
H	CN457591 (D) J. Higginbotham (1)ON -0001 & -0002 LM'S: DELETED ITEMS 3,4,6,7 & 8 2) ADD 20 (2) CREATED -5001 & -5002 LM	3-6-80	...
J	CN500819 (D) D. St... REV PER EXT ENG CHANGES	7-29-82	...

PART NUMBER	DESCRIPTION
994541-5502	ENCODER SEQUENCE TAPE FOR -5002
994541-5501	ENCODER SEQUENCE TAPE FOR -5001
994541-5002	AUTO INSERTED PARTS LIST FOR -0002
994541-5001	AUTO INSERTED PARTS LIST FOR -0001
994541-0002	ENCODER, PRINTED CIRCUIT ASSEMBLY, 10/16.5 CPI
994541-0001	ENCODER, PRINTED CIRCUIT ASSEMBLY, 10 CPI

METRIC

PARTS LIST

QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES

SEQ NO	IDENT	F SPEC	NO	ADDITIONAL
	PROCESS		CLASSIFICATION	NOTES

PROCESSES – FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 729487

2206620	8754
[illegible]	8733
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
- INTERPRET DRAWING PER MIL D 1000
- REMOVE ALL BURRS AND SHARP EDGES
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

DIA	THRU .125	THRU .250	THRU .500	OVER .500
PRE	.001	.001	.001	.001
PSI	.001	.001	.001	.001
THRU	.010	.010	.010	.012
PSI	.001	.001	.001	.001
THRU	.001	.001	.001	.001
PSI	.001	.001	.001	.001

	NAME	DATE
DRWN	M Stamm	8-14-79
ENGR	D Stamm	8-22-79
MFG	[illegible]	8/22/79
QUAL	Ken	8/22/79
PROJ	[illegible]	8/22/79
APPD	[illegible]	8-22-79
	[illegible]	8/22/79

TEXAS INSTRUMENTS INCORPORATED Dallas, Texas

ENCODER, PRINTED CIRCUIT ASSEMBLY

SIZE D | CAGE NO 96214 | DRAWING NO 994541

SCALE 4/1 | SHEET

4 320 LM

List of Materials

01/28/84

PART NUMBER	REV	DESCRIPTION
0994541-0001	J	ENCODER,PRINTED CIRCUIT ASSY, 10 CPI

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0002	REF	0994540-0001	SCHEMATIC,ENCODER	EA
0005	00001.000	0972965-0024	CAP FXD .100UF,10%,100V, CERAMIC	EA
			QPL - CK06BX104K	
0005A			C1	
			QPL - CK06BX104K	
0009	00007.000	0972456-0002	PIN,.025 SQUARE	EA
			5935-0800-000	
0009A			J1-2 THRU J1-3,J1-5,J1-7	
			5935-0800-000	
0009B			THRU J1-10	
			5935-0800-000	
0020	00001.000	0994541-5001	AUTO INSERTED PARTS LIST FOR -0001	EA
			1225-5141-050	

01/28/84

PART NUMBER	REV	DESCRIPTION
0994541-0002	J	ENCODER,PRINTED CIRCUIT ASSY,10/16.5 CPI

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0002	REF	0994540-0001	SCHEMATIC,ENCODER	EA
0005	00001.000	0972965-0024	CAP FXD .100UF,10%,100V, CERAMIC	EA
			QPL - CK06BX104K	
0005A			C1	
			QPL - CK06BX104K	
0009	00009.000	0972456-0002	PIN,.025 SQUARE	EA
			5935-0800-000	
0009A			J1-1 THRU J1-3, J1-5 THRU	
			5935-0800-000	
0009B			J1-10	
			5935-0800-000	
0020	00001.000	0994541-5002	AUTO INSERTED PARTS LIST FOR -0002	EA
			1225-5241-073	

01/28/84

PART NUMBER	REV	DESCRIPTION
0994541-5001	J	AUTO INSERTED PARTS LIST FOR -0001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00000.047	0994539-0001	PWB, ENCODER	EA
0002	00001.000	0994541-5501	ENCODER,SEQUENCE TAPE FOR -5001	EA
			1225-4541-063	
0006	00001.000	0972663-0001	NETWORK,LM339N	EA
0006A			AR1	
0008	00001.000	2210561-0001	RESISTOR,TRIMMER,NETWORKS	EA
			080294-SEE TI DWG	
0008A			R1	
			080294-SEE TI DWG	

List of Materials

01/28/84

PART NUMBER	REV	DESCRIPTION
0994541-5002	J	AUTO INSERTED PARTS LIST FOR -0002

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00000.047	0994539-0001	PWB, ENCODER	EA
0002	00001.000	0994541-5502	ENCODER,SEQUENCE TAPE FOR -5002 1225-5541-158	EA
0006	00001.000	0972663-0001	NETWORK,LM339N	EA
0006A			AR1	
0008	00001.000	2210565-0001	RESISTOR,TRIMMER 080294-SEE TI DWG	EA
0008A			R1 080294-SEE TI DWG	

Dwg. No. 994545

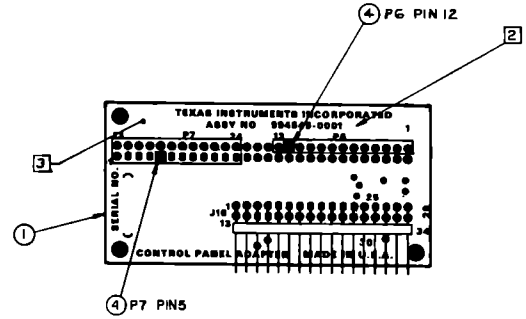
REVISIONS

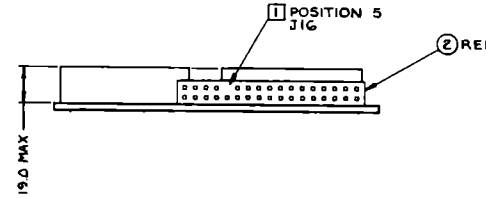
REV	DESCRIPTION	DATE	APPROVED

NOTES: UNLESS OTHERWISE SPECIFIED:

1. CUT OFF PIN 5 FLUSH WITH PLASTIC
2. MARK APPROPRIATE REVISION LETTER PER PROCESS 1
3. MARK SITE/DATE CODE ON ASSEMBLY IN POSITION INDICATED PER 994396 (ITEM 5) PARAGRAPH 4.0 USING PROCESS 1
4. MAXIMUM LEAD LENGTH BELOW SURFACE OF BOARD 1.5
5. ALL DIMENSIONS ARE IN MILLIMETERS
6. GENERAL TOLERANCES:
   ONE PLACE DECIMALS = ± 0.5
   TWO PLACE DECIMALS = ± 0.25

CONVERSION CHART	
mm	INCHES
0.25	.010
0.5	.02
1.5	.06
19.0	.75





METRIC

ITEM NO	QTY	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES
2	1	SLDR 124-02	00		
1	MARK 100-02	21	HEIGHT 1.5, COLOR BLACK 2 3		

SEQ NO	IDENT	P-SPEC	NO	ADDITIONAL	NOTES
	PROCESS		CLASSIFICATION		

PROCESSES — FOR CORRELATION TO GOVT/IND SPECIFICATIONS SEE TI DRAWING 726467

REV STATUS OF SHEETS

994293	8733
994292	8733
NEXT ASSY	USED ON
APPLICATION	

PARTS LIST

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN
- TOLERANCES ANGLES ±1°
- INTERPRET DRAWING PER MIL-D-1000
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIM
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

.010 THRU .125	+.003 -.001	.126 THRU .500	+.005 -.001	.501 THRU .750	+.008 -.001
.751 THRU 1.250	+.010 -.001	1.251 THRU 2.000	+.015 -.001	2.001 THRU 3.000	+.020 -.001

DRAWN 8-14-79
ENGR
MFG
QUALITY
MATERIAL

TEXAS INSTRUMENTS INCORPORATED
Dallas, Texas

CONTROL PANEL ADAPTER ASSEMBLY

SIZE D | PECH NO 96214 | DRAWING NO 994545

SCALE 2:1 | SHEET

32

LM

LIST OF MATERIALS

07/15/81

PART NUMBER	REV	DESCRIPTION
0994545-0001	*	ASSY CONTROL PANEL ADAPTER

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994544-0001	PWB, ADAPTER, CONTROL PNL	EA
0002	00001.000	0996099-0017	HEADER,RIGHT-ANGLE, 34 CIRCUITS	EA
			SEE TI- DRAWING	
0002A			J16	
			SEE TI- DRAWING	
0003	00001.000	0972498-0005	CONNECTOR, 24-POS., DUAL MINILATCH	EA
			SEE TI- DRAWING	
0003A			P7	
			SEE TI- DRAWING	
0004	00002.000	0800335-0001	KEY,POLARIZATION,CONNECTOR	EA
			BEI --65307-001	
0005	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0006	00001.000	2210970-0001	CONNECTOR, PCB,.100 CENTERS, 13-POS.	EA
			SEE TI- DRAWING	
0006A			P6	
			SEE TI- DRAWING	
0007	00000.000	0972498-0004	CONNECTOR, 56-POS., DUAL MINILATCH	EA
			SEE TI- DRAWING	
0007A			MAY BE USED AS AN ALTERNATE	
			SEE TI- DRAWING	
0007B			FOR ITEMS 3 AND 6	
			SEE TI- DRAWING	
0008	REF	0994543-0001	ELECTRONIC SCHEMATIC DIAG. ADAPTER	EA

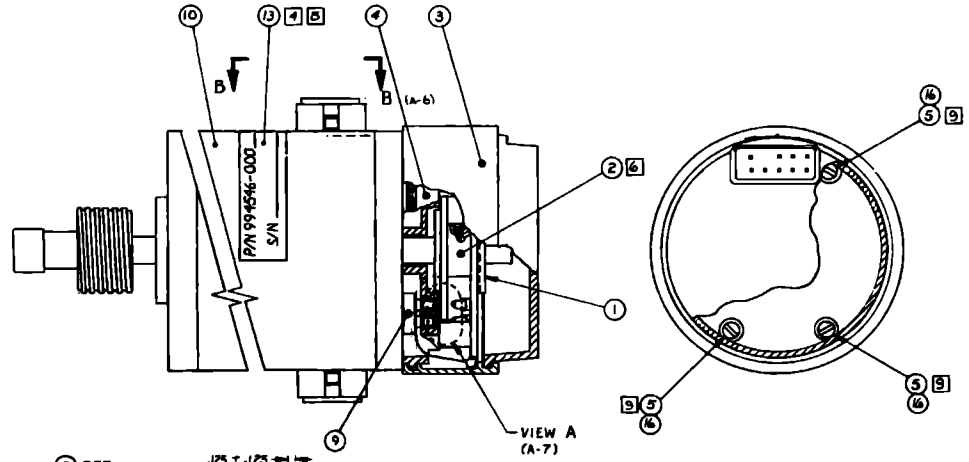
ORD NO 994546

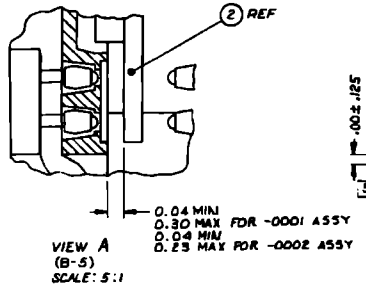
REV	DESCRIPTION	DATE	APPROVED
M	CN5O2588 (D) M. DURHAM	11/13/84	

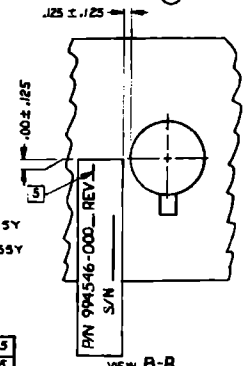
NOTES: UNLESS OTHERWISE SPECIFIED:

1. ALL DIMENSIONS ARE IN MILLIMETERS
2. GENERAL TOLERANCES:
   ONE PLACE DECIMALS = ± 0.8
   TWO PLACE DECIMALS = ± 0.25
3. ~~INSERT 0.13 MM PLASTIC SHIM BETWEEN HOUSING MARK (ITEM 4) AND COMMUTATOR (ITEM 8) TO SET GAP~~
4. MARK SITE DATE CODE AND SERIAL NUMBER ON ASSEMBLY IN FOSITION INDICATED PER 994396 (ITEM 14), PARAGRAPH 3.0 USING PROCESS 1 OR 2
5. MARK APPROPRIATE REVISION LETTER PER PROCESS 1 OR 2
6. TORQUE SETSCREW ON ITEM 2 TO 8±1 IN-OZ
7. ALL ENCODER PARTS AFTER CLEANING MUST BE FREE FROM DUST, FINGERPRINTS AND SURFACE OIL. FINAL ASSEMBLY AND TEST MUST OCCUR IN A CLASS 500 CLEAN ASSEMBLY TEST
8. LABEL TO BE LOCATED AND ORIENTED AS SHOWN.
9. TORQUE ITEM 5 TO 0.3±0.0 NM

CONVERSION CHART	
mm	INCHES
~~0.13 ± 0.05~~	~~.005 ± .002~~
0.25	.010
0.5	.02
0.04	.0015
0.23	.009
0.3	.012
.125 ± .125	.005 ± .005
.00 ± .25	.000 ± .005
NM	IN-OZ
~~0.113 ± 0.09~~	~~16 ± 1~~
0.3 ± 0.0	43 ± 1
0.1 ± 0.0	8 ± 1







994546-0002	MOTOR ASSY, CARR DR 10/16.5 CPI, 810/820
994546-0001	MOTOR ASSY, CARR DR 10 CPI, 810/820
PART NUMBER	DESCRIPTION

METRIC

2	MARK	100-02	21	HEIGHT .10, COLOR BLK	4,5
1	MARK	100-02	21	HEIGHT .12, COLOR BLK	4,5
SEQ NO	EVENT	P-SPEC	NO	ADDITIONAL CLASSIFICATION	NOTES
PROCESS					

PROGRESSIVE — FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 7284127

ITEM NO	QTY	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES
		PARTS LIST			
1	1	994183	8754		
2	1	999689	8740		
3	1	2206573	8740		
4	1	2207421	8740		
5	1	994183	8733		
NEXT ASSY		USED ON APPLICATION			

UNLESS OTHERWISE SPECIFIED: 1 DECIMALS ± .25; 2 DECIMALS ± .25; 3 ANGLES ± 1°; 4 REMOVE ALL BURRS AND SHARP EDGES; 5 DIMENSIONAL LIMITS APPLY BEFORE PROCESSING; 6 PARENTHETICAL INFO FOR REF ONLY; HOLE TOLERANCE

ANGLES ± 1°	.XX ± .25	.XXX ± .25	.XXXX ± .25
.XX ± .25	.XXX ± .25	.XXXX ± .25	.XXXXX ± .25

DRAWN 7-3-79; CHECKED 10-2-79; ENGR 10/2/79; MFG 11/1/79; QUALITY 11/1/79; MATERIAL

TEXAS INSTRUMENTS INCORPORATED, Dallas, Texas

MOTOR ASSEMBLY, CARRIAGE DRIVE

SIZE D; PROD NO 96214; DRAWING NO 994546; SCALE 2:1; SHEET

8 7 6 5 4 3 2 DB LM 1

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
0994546-0001	M	MOTOR ASSY,CARR DR,10 CPI,810/820

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2206620-0001	ENCODER SUB-ASSY, STD, 810/820 0000-0000-000	EA
0002	00001.000	0994551-0001	COMMUTATOR ASSEMBLY, 10 CPI 0000-0000-000	EA
0003	00001.000	2206629-0001	COVER ASSEMBLY 1208-6629-000	EA
0004	00001.000	2206621-0001	HOUSING,SUB-ASSEMBLY 0000-0000-000	EA
0005	00003.000	0972988-0010	SCREW 2-56 X .875 PAN HEAD CRES 1202-5000-000	EA
0009	00002.000	2206627-0001	PAD, OPTICS RETAINER 1225-1627-000	EA
0010	00001.000	2206622-0001	MOTOR, SUB-ASSEMBLY 1225-1622-000	EA
0013	00001.000	0232208-3500	LABEL WIRE MARKER DATABS VINYL CLOTH 1286-2208-000	EA
0014	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0016	00003.000	0411100-0069	LOCKWASHER #2 INTERNAL TOOTH CRES GPL - MS35333-69	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
0994546-0002	M	MOTOR ASSY,CARR DR,10/16.5 CPI,810/820

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2206620-0002	ENCODER SUB-ASSY, C.P., 810/820 0000-0000-000	EA
0002	00001.000	0994551-0002	COMMUTATOR ASSEMBLY, 10/16.5 CPI 0000-0000-000	EA
0003	00001.000	2206629-0001	COVER ASSEMBLY 1208-6629-000	EA
0004	00001.000	2206621-0001	HOUSING,SUB-ASSEMBLY 0000-0000-000	EA
0005	00003.000	0972988-0010	SCREW 2-56 X .875 PAN HEAD CRES 1202-5000-000	EA
0009	00002.000	2206627-0001	PAD, OPTICS RETAINER 1225-1627-000	EA
0010	00001.000	2206622-0001	MOTOR, SUB-ASSEMBLY 1225-1622-000	EA
0013	00001.000	0232208-3500	LABEL WIRE MARKER DATABS VINYL CLOTH 1286-2208-000	EA
0014	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0016	00003.000	0411100-0069	LOCKWASHER #2 INTERNAL TOOTH CRES GPL - MS35333-69	EA

NOTES: UNLESS OTHERWISE SPECIFIED:

1. 994555-0002 (FLC) & 994555-0003 (FCO) CUT PLASTIC TAB FROM ITEM 2 TO ALLOW ROTATION THROUGH ALL 12 POSITIONS
2. 994555-0001 (BASIC) & 994555-0002 (FLC) REMOVE THE FOLLOWING SWITCH ACTIVATORS FROM ITEM 1: 16.5 CPI, STORE, RECALL
3. 994555-0004 (VFC) REMOVE THE 16.5 CPI SWITCH ACTIVATOR
4. 994555-0003 (FCO) REMOVE THE STORE & RECALL SWITCH ACTIVATORS

5 ALL DIMENSIONS ARE IN MILLIMETERS

6 GENERAL TOLERANCES:
ONE PLACE DECIMALS = ± 0.5
TWO PLACE DECIMALS = ± 0.25

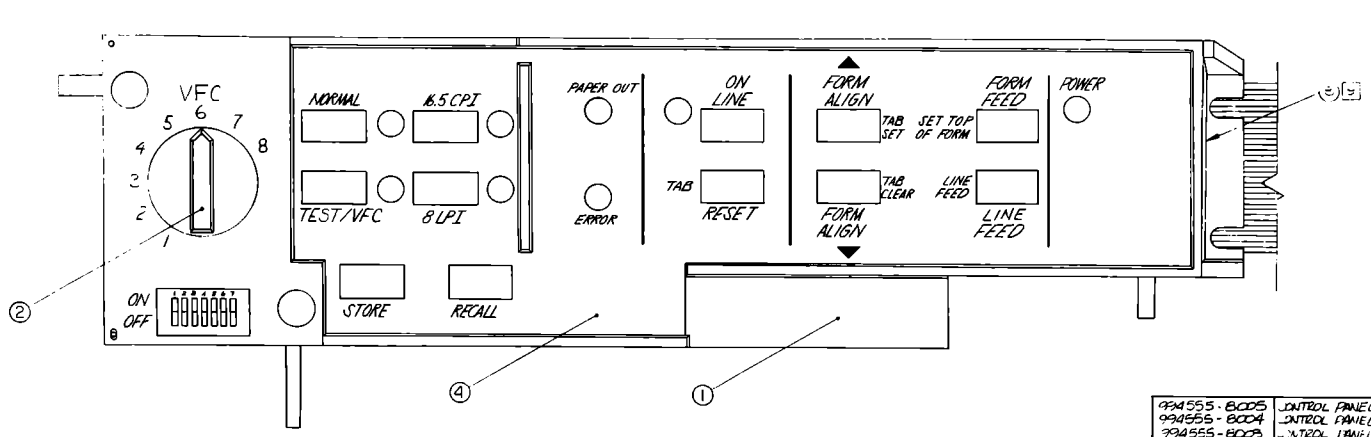
7 CONCENTRICITY MACHINED DIAMETERS 0.25 FIM

8 994545-0001 ADAPTER TO BE USED WITH MOTHER BOARD ASSY 0994330-0001 ONLY

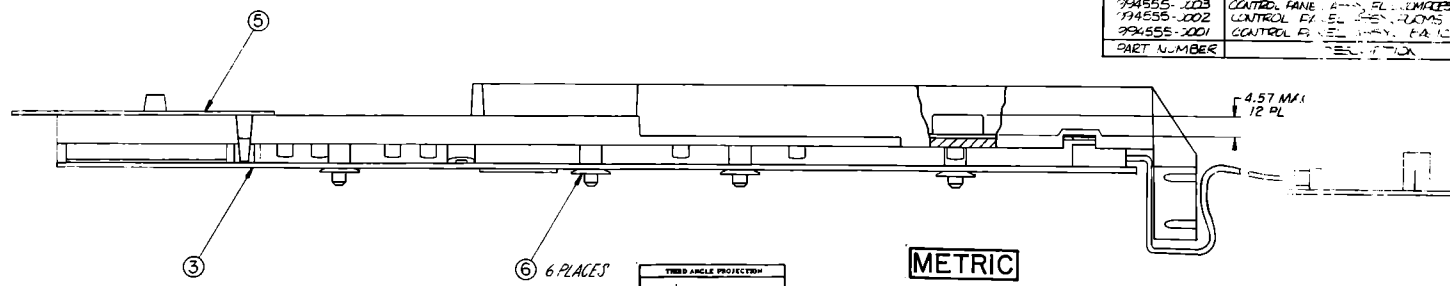
9 MARK ASSY PART NO., DASH NO., REV LETTER, AND SITE/DATE CODE ON ITEM 8 PER ITEM 9, PARAGRAPH 4.0 USING PROCESS 1

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	994556&5(D) CA Released (1) ON-0001 THRU -0005 LMS, ADDED ITEM 10 (2) ON-0002 AND -0004 LMS, P/N FOR ITEM 3 WAS 0994557-0002	6-22-83	B. Hubbard

CONVERSION CHART	
MM	INCHES
2.25	.010
1.5	.02
4.57	.180



PART NUMBER	
994555-0005	CONTROL PANEL ASSY, VFC & COMPRESSED PRINT (VCO)
994555-0004	CONTROL PANEL ASSY, FL & COMPRESSED PRINT (FCO)
994555-0003	CONTROL PANEL ASSY, VERTICAL FORMAT CONTROL (VFC)
994555-0002	CONTROL PANEL ASSY, 220MS LENGTH (FLC)
994555-0001	CONTROL PANEL ASSY, BASIC (BSC)
994555-0005	CONTROL PANEL ASSY, VFC & COMPRESSED PRINT (VCO)
994555-0004	CONTROL PANEL ASSY, VERTICAL FORMAT CONTROL (VFC)
994555-0003	CONTROL PANEL ASSY, FL & COMPRESSED PRINT (FCO)
994555-0002	CONTROL PANEL ASSY, 220MS LENGTH (FLC)
994555-0001	CONTROL PANEL ASSY, BASIC (BSC)



METRIC

ITEM NO	QTY	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES
1	MARK	00-09	91	MGT .1, CLR BLACK	9

PARTS LIST

SEQ NO	IDENT	P-SPEC	NO	ADDITIONAL
PROCESS			CLASSIFICATION	

PROCESSES — FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 729467

NOTES	REV STATUS OF SHEETS	REV	SH

994293 8733
NEXT ASSY USED ON
APPLICATION

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES 5
- TOLERANCES: ANGLES ±1°, 2 PLACE DECIMALS ±.01, 3 PLACE DECIMALS ±.005 6
- INTERPRET DRAWING PER MIL-D-1000
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .000-.25m 7
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

.012 THRU .120	.121 THRU .250	.251 THRU .500	.501 THRU .750	.751 THRU 1.000	1.001 THRU 2.000
+.004 -.001	+.005 -.001	+.006 -.001	+.008 -.001	+.010 -.001	+.012 -.001

DWN	DATE
	11-4-82
CHK	11-6-82
ENGR	11-13-82
QUAL	
MFG	11-15-82
CONTR	11/16/82
TI Calgary	11/24/82

TEXAS INSTRUMENTS INCORPORATED Dallas, Texas

CONTROL PANEL ASSY.

SIZE D | FSCM NO 96214 | DRAWING NO 994555 | SCALE 2/1 | SHEET

FILMED LM

List of Materials

01/28/84

PART NUMBER REV DESCRIPTION.....
0994555-0001 E CONTROL PANEL ASSY, BASIC

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	2206640-0001	PANEL,CONTROL 1255-0057-020	EA
0003	00001.000	0994557-0001	SWITCHBD ASSY, CNTL PNL, BASIC, 810 1225-1557-907	EA
0004	00001.000	2213938-0008	OVERLAY PANEL-BASIC/FLC (RIGHT)	EA
0005	00001.000	2213937-0001	OVERLAY PANEL-BASIC (LEFT)	EA
0006	00006.000	0972491-0002	RING,RETAINING WAL -5115-12S	EA
0007	00000.000	0994545-0001	ASSY CONTROL PANEL ADAPTER 1225-1545-002	EA
0007A			TO BE USED WITH 994330-0001 1225-1545-002	
0007B			MOTHERBOARD ASSY ONLY 1225-1545-002	
0008	AR	0232208-3500	LABEL WIRE MARKER DATABS VINYL CLOTH 1286-2208-000	EA
0009	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0010	00007.000	0539480-0003	POWER INDICATOR LED	EA
0010A			CR21,CR22,CR23,CR24,CR26	
0010B			CR27,CR28	

01/28/84

PART NUMBER REV DESCRIPTION.....
0994555-0002 E CONTROL PANEL ASSY, FORMS LENGTH (FLC)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	2206640-0001	PANEL,CONTROL 1255-0057-020	EA
0002	00001.000	0994561-0001	KNOB,CONTROL PANEL 1255-0043-012	EA
0003	00001.000	0994557-0003	SWITCHBD ASSY, CNTL PNL, W/OPTNS, 810 1225-3557-039	EA
0004	00001.000	2213938-0008	OVERLAY PANEL-BASIC/FLC (RIGHT)	EA
0005	00001.000	2213937-0003	OVERLAY PANEL-FORM LENGTH (LEFT)	EA
0006	00006.000	0972491-0002	RING,RETAINING WAL -5115-12S	EA
0007	00000.000	0994545-0001	ASSY CONTROL PANEL ADAPTER 1225-1545-002	EA
0007A			TO BE USED WITH 994330-0001 1225-1545-002	
0007B			MOTHERBOARD ASSY ONLY 1225-1545-002	
0008	AR	0232208-3500	LABEL WIRE MARKER DATABS VINYL CLOTH 1286-2208-000	EA
0009	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0010	00007.000	0539480-0003	POWER INDICATOR LED	EA
0010A			CR21,CR22,CR23,CR24,CR26	
0010B			CR27,CR28	

List of Materials

01/28/84

PART NUMBER	REV	DESCRIPTION
0994555-0003	E	CON. PANEL ASSY,FL & COMP. PRINT (FCO)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2206640-0001	PANEL,CONTROL 1255-0057-020	EA
0002	00001.000	0994561-0001	KNOB,CONTROL PANEL 1255-0043-012	EA
0003	00001.000	0994557-0003	SWITCHBD ASSY, CNTL PNL, W/OPTNS, 810 1225-3557-039	EA
0004	00001.000	2213938-0007	OVERLAY PANEL-FLC (RIGHT)	EA
0005	00001.000	2213937-0003	OVERLAY PANEL-FORM LENGTH (LEFT)	EA
0006	00006.000	0972491-0002	RING,RETAINING WAL -5115-12S	EA
0007	00000.000	0994545-0001	ASSY CONTROL PANEL ADAPTER 1225-1545-002	EA
0007A			TO BE USED WITH 994330-0001 1225-1545-002	
0007B			MOTHERBOARD ASSY ONLY 1225-1545-002	
0008	AR	0232208-3500	LABEL WIRE MARKER DATABS VINYL CLOTH 1286-2208-000	EA
0009	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0010	00008.000	0539480-0003	POWER INDICATOR LED	EA
0010A			CR21,CR22,CR23,CR24,CR25	
0010B			CR26,CR27,CR28	

01/28/84

PART NUMBER	REV	DESCRIPTION
0994555-0004	E	CONTROL PANEL ASSY,VERT. FOR CON. (VFC)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2206640-0001	PANEL,CONTROL 1255-0057-020	EA
0002	00001.000	0994561-0001	KNOB,CONTROL PANEL 1255-0043-012	EA
0003	00001.000	0994557-0003	SWITCHBD ASSY, CNTL PNL, W/OPTNS, 810 1225-3557-039	EA
0004	00001.000	2213938-0006	OVERLAY PANEL-VFC (RIGHT)	EA
0005	00001.000	2213937-0002	OVERLAY PANEL-VERTICAL FORMAT (LEFT)	EA
0006	00006.000	0972491-0002	RING,RETAINING WAL -5115-12S	EA
0007	00000.000	0994545-0001	ASSY CONTROL PANEL ADAPTER 1225-1545-002	EA
0007A			TO BE USED WITH 994330-0001 1225-1545-002	
0007B			MOTHERBOARD ASSY ONLY 1225-1545-002	
0008	AR	0232208-3500	LABEL WIRE MARKER DATABS VINYL CLOTH 1286-2208-000	EA
0009	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0010	00007.000	0539480-0003	POWER INDICATOR LED	EA
0010A			CR21,CR22,CR23,CR24,CR26	
0010B			CR27,CR28	

List of Materials

01/28/84

PART NUMBER	REV	DESCRIPTION
0994555-0005	E	CON. PANEL ASSY,VFC AND COMP.PRINT (VCO)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2206640-0001	PANEL,CONTROL 1255-0057-020	EA
0002	00001.000	0994561-0001	KNOB,CONTROL PANEL 1255-0043-012	EA
0003	00001.000	0994557-0003	SWITCHBD ASSY, CNTL PNL, W/OPTNS, 810 1225-3557-039	EA
0004	00001.000	2213938-0005	OVERLAY PANEL-VFC (RIGHT)	EA
0005	00001.000	2213937-0002	OVERLAY PANEL-VERTICAL FORMAT (LEFT)	EA
0006	00006.000	0972491-0002	RING,RETAINING WAL -5115-12S	EA
0007	00000.000	0994545-0001	ASSY CONTROL PANEL ADAPTER 1225-1545-002	EA
0007A			TO BE USED WITH 994330-0001 1225-1545-002	
0007B			MOTHERBOARD ONLY 1225-1545-002	
0008	AR	0232208-3500	LABEL WIRE MARKER DATABS VINYL CLOTH 1286-2208-000	EA
0009	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0010	00008.000	0539480-0003	POWER INDICATOR LED	EA
0010A			CR21,CR22,CR23,CR24,CR25	
0010B			CR26,CR27,CR28	

Dwg No 994557 | Sh | Rev

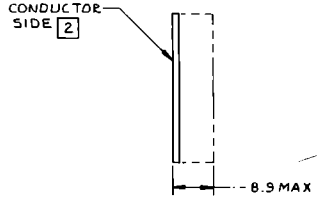
NOTES: UNLESS OTHERWISE SPECIFIED:

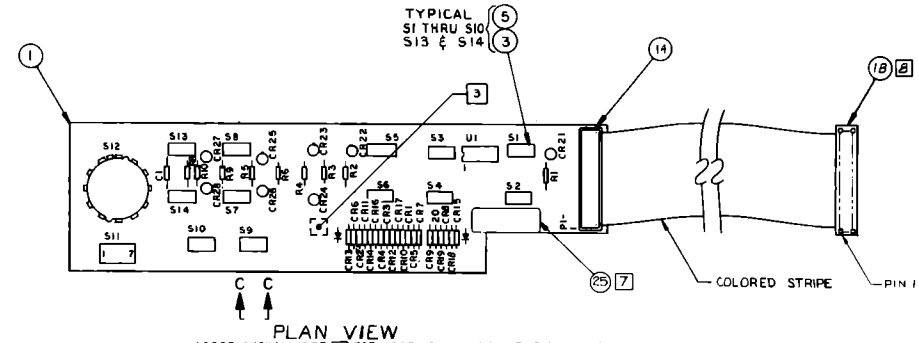
1. OMIT THE FOLLOWING COMPONENTS FOR EACH SWITCHBOARD ASSEMBLY:
   BASIC(994557-0001) K1-CR20, CR25, R5, S6-S16, S12, R7
   ~~DRI (994557-0002) CR25, R1, S8~~
   DELUXE WITH COMPRESSION PRINT (994557-0003) R1
2. MAXIMUM LEAD LENGTH FROM CONDUCTOR SIDE IS 2.5.
3. ALTERNATE METHOD FOR NOTE 7: MARK APPROPRIATE DASH NUMBER AND REVISION LETTER PER PROCESS 1
4. ALTERNATE METHOD FOR NOTE 7: MARK SITE DATE CODE ON ASSEMBLY WHERE SPACE PERMITS PER ITEM 21, PARAGRAPH 4.0 AND PROCESS 1
5. ALL DIMENSIONS ARE IN MILLIMETERS
6. GENERAL TOLERANCES:
   ONE PLACE DECIMALS = ± 0.5
   TWO PLACE DECIMALS = ± 0.25
7. LOCATE LABEL IN LOWER RIGHTHAND CORNER OF PCB IN APPROXIMATE LOCATION AS SHOWN
8. THE TOTAL LENGTH MAY BE REDUCED A MAXIMUM OF 12.5 IF CONNECTORS ARE REPLACED

REVISIONS

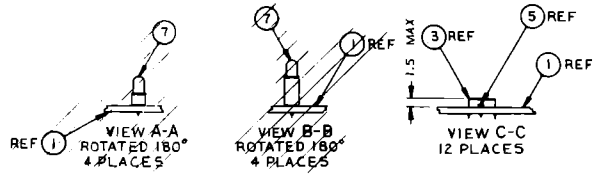
REV	DESCRIPTION	DATE	APPROVED
L	CN50971-3 (D) R Dalgo ~~111~~ ADDED NOTE 8 (2) -1 LM ITEM 14 WAS 2210968-10 (5) REVISED -1 AND -3 LM TITLE	10-26-83	JDDalgo
M	CN51149-4 (D) R KARL 2-27-84	2-28-84	JDDalgo

CONVERSION CHART	
mm	INCHES
0.25	.010
0.5	.02
2.5	.10
8.9	.35
12.5	.5





PLAN VIEW
(-0003 SHOWN - SEE 1 FOR ASSEMBLIES -0001 THRU -0003)



994557-5503	SEQUENCE TAPE FOR -5003
994557-5003	AUTO INSERTED PARTS LIST FOR -5003
994557-~~5502~~	~~SEQUENCE TAPE FOR -5002~~
-5501	SEQUENCE TAPE FOR -5001
~~-5002~~	~~AUTO INSERTED PARTS LIST FOR -0002~~
-5001	AUTO INSERTED PARTS LIST FOR -0001
-0003	SWITCHBOARD ASSY, CNTL PNL, W/OPTNS, 810
~~-0002~~	~~SWITCHBOARD ASSY, CNTL PNL - DELUXE~~
994557-0001	SWITCHBOARD ASSY, CNTL PNL, BASIC, 810
PART NUMBER	TITLE

PARTS LIST

-1 QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES
2	1	SLDR MARK 124-02 100-02	00 21 HEIGHT: 1.5, COLOR: BLACK	3 4	

SEQ NO	IDENT	P-SPEC	NO	ADDITIONAL	NOTES
	PROCESS		CLASSIFICATION		

PROCESSES — FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 723467

REV STATUS OF SHEETS | REV | 8+

2222640	8754
994555	8733
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED 5
TOLERANCES ANGLES ±1° 6
INTERPRET DRAWING PER MIL-D-1000
REMOVE ALL BURRS AND SHARP EDGES
CONCENTRICITY MACHINED DIAMETERS .010 FIM
DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

.013 THRU .125	.001	.126 THRU .500	.002	.501 THRU .750	.003
.751 THRU 1.000	.004	1.001 THRU 2.000	.005	2.001 THRU 3.000	.006

METRIC

DES 4/3/80
CHK
APVD
QA
CONTR
MFG 4/7/80

TEXAS INSTRUMENTS INCORPORATED Dallas, Texas

SWITCHBOARD ASSEMBLY, CONTROL PANEL, 810

SIZE D | FSCM NO 96214 | DRAWING NO 994557 | SCALE 1:1 | SHEET

320 FILMED LM

List of Materials

05/12/84

PART NUMBER REV DESCRIPTION.....
0994557-0001 M SWITCHBD ASSY, CNTL PNL, BASIC, 81C

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0002	REF	0994559-0001	DIAGRAM,SCHEMATIC,SWITCHBOARD	EA
0003	00009.000	2210868-0003	CONTACT SPRING KEYBD SN62644-1 SEE TI- DRAWING	EA
0003A			S1,S2,S3,S4,S5,S6,S7,S13 SEE TI- DRAWING	
0003B			S14 SEE TI- DRAWING	
0004	00001.000	0222222-7474	NETWORK SN7474N - 3-COC	EA
0004A			U1 - 3-000	
0005	00009.000	2210869-0004	CONTACT,BUTTON,KEYBOARD SN62313-3 SEE TI- DRAWING	EA
0014	00001.000	2210968-0004	CONNECTOR,TRANSITION A-.1.905 SEE TI- DRAWING	EA
0014A			P1 SEE TI- DRAWING	
0015	00000.000	0972696-0002	CONNECTOR,PWB,34P,FIXED, FLAT CABLE 5935-0500-COC	EA
0015A			*USED AS AN ALTERNATE FOR 5935-0500-000	
0015B			*ITEM 14 5935-0500-000	
0016	00001.000	2211880-0006	ROCKER SWITCH,DIP,7 POS SEE TI- DRAWING	EA
0016A			S11 SEE TI- DRAWING	
0019	00001.000	0994542-0001	CABLE/CONNECTOR 1225-0000-000	EA
0021	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0022	00000.000	2210868-0004	CONTACT,SPRING,KEYBD SN62614-1 SEE TI- DRAWING	EA
0022A			*USED AS AN ALTERNATE FOR SEE TI- DRAWING	
0022B			*ITEM 3 SEE TI- DRAWING	
0023	00000.000	2210869-0003	CONTACT, BUTTON, KEYBOARD,SN62380-3 SEE TI- DRAWING	EA
0023A			*USED AS AN ALTERNATE FOR SEE TI- DRAWING	
0023B			*ITEM 5 SEE TI- DRAWING	
0024	00001.000	0994557-5001	AUTO INSERTED PARTS LIST FOR -0001 1225-5557-041	EA
0025	00001.000	2363830-0001	LABEL, SYMBOLIZATION (36MM X 13MM) 1225- -000	EA

05/12/84

PART NUMBER REV DESCRIPTION.....
0994557-0003 M SWITCHBD ASSY, CNTL PNL, W/OPTNS, 810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0002	REF	0994559-0001	DIAGRAM,SCHEMATIC,SWITCHBOARD	EA
0003	00012.000	2210868-0003	CONTACT SPRING KEYBD SN62644-1 SEE TI- DRAWING	EA
0003A			S1,S2,S3,S4,S5,S6,S7,S8,S9 SEE TI- DRAWING	

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
0994557-0003	M	SWITCHBD ASSY, CNTL PNL, W/OPTNS, 810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
00030			S1),S13,S14	
			SEE TI- DRAWING	
0004	00001.000	0222222-7474	NETWORK SN7474N	EA
			- 3-000	
0004A			U1	
			- 3-000	
0005	00012.000	2210869-0004	CONTACT,BUTTON,KEYBCARD SN62313-3	EA
			SEE TI- DRAWING	
0014	00001.000	2210968-0004	CONNECTOR,TRANSITION A-.1.905	EA
			SEE TI- DRAWING	
0014A			P1	
			SEE TI- DRAWING	
0015	00000.000	0972696-0002	CONNECTOR,PWB,34P,FIXED, FLAT CABLE	EA
			5935-0500-000	
0015A			*USED AS AN ALTERNATE FOR	
			5935-0500-000	
0015B			*ITEM 14	
			5935-0500-000	
0016	00001.000	2211886-0006	ROCKER SWITCH,DIP,7 POS	EA
			SEE TI- DRAWING	
0016A			S11	
			SEE TI- DRAWING	
0017	00001.000	2210861-0001	SWITCH WAFER,ROTARY SN1405	EA
			SEE TI- DRAWING	
0017A			S12	
			SEE TI- DRAWING	
0018	00001.000	0994542-0001	CABLE/CONNECTOR	EA
			1225-0000-000	
0021	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0022	00000.000	2210868-0004	CONTACT,SPRING,KEYBD SN62614-1	EA
			SEE TI- DRAWING	
0022A			*USED AS AN ALTERNATE FOR	
			SEE TI- DRAWING	
0022B			*ITEM 3	
			SEE TI- DRAWING	
0023	00000.000	2210869-0003	CONTACT, BUTTON, KEYBOARD,SN62380-3	EA
			SEE TI- DRAWING	
0023A			*USED AS AN ALTERNATE FOR	
			SEE TI- DRAWING	
0023B			*ITEM 5	
			SEE TI- DRAWING	
0024	00001.000	0994557-5003	AUTO INSERTED PARTS LIST FOR -0003	EA
			1225-7557-366	
0025	00001.000	2363830-0001	LABEL, SYMBOLIZATION (38MM X 13MM)	EA
			1225- -000	

05/12/84

PART NUMBER	REV	DESCRIPTION
0994557-5001	M	AUTO INSERTED PARTS LIST FOR -0001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994560-0001	PWB SWITCHBOARD,CONTROL PNL	EA
0002	00001.000	0994557-5501	SEQUENCE TAPE FOR -5001	EA
			1225-4557-040	

List of Materials

05/12/84

PART NUMBER REV DESCRIPTION.....
0994557-5003 M AUTO INSERTED PARTS LIST FOR -0003

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	0994566-0001	PWB SWITCHBOARD,CONTROL PNL	EA
0002	00001.000	0994557-5503	SEQUENCE TAPE FOR -5003 1225-3557-366	EA

05/12/84

PART NUMBER REV DESCRIPTION.....
0994557-5501 M SEQUENCE TAPE FOR -5001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0009	00001.000	0972763-0025	CAPACITOR,.1UF 50V FX,CERAMIC DIEL COR CA-C03Z5U104Z050A	EA
0009A			C1 COR CA-C03Z5U104Z050A	
0011	00005.000	0972946-0047	RES FIX 100 OHM 5 % .25 W CARBON FILM ROH - R-25	EA
0011A			R1,R2,R3,R4,R6 ROH - R-25	
0012	00001.000	0972946-0057	RES FIX 470 OHM 5 % .25 W CARBON FILM ROH - R-25	EA
0012A			R8 ROH - R-25	
0013	00002.000	0972946-0049	RES FIX 220 OHM 5 % .25 W CARBON FILM ROH - R-25	EA
0013A			R9,R10 ROH - R-25	

05/12/84

PART NUMBER REV DESCRIPTION.....
0994557-5503 M SEQUENCE TAPE FOR -5003

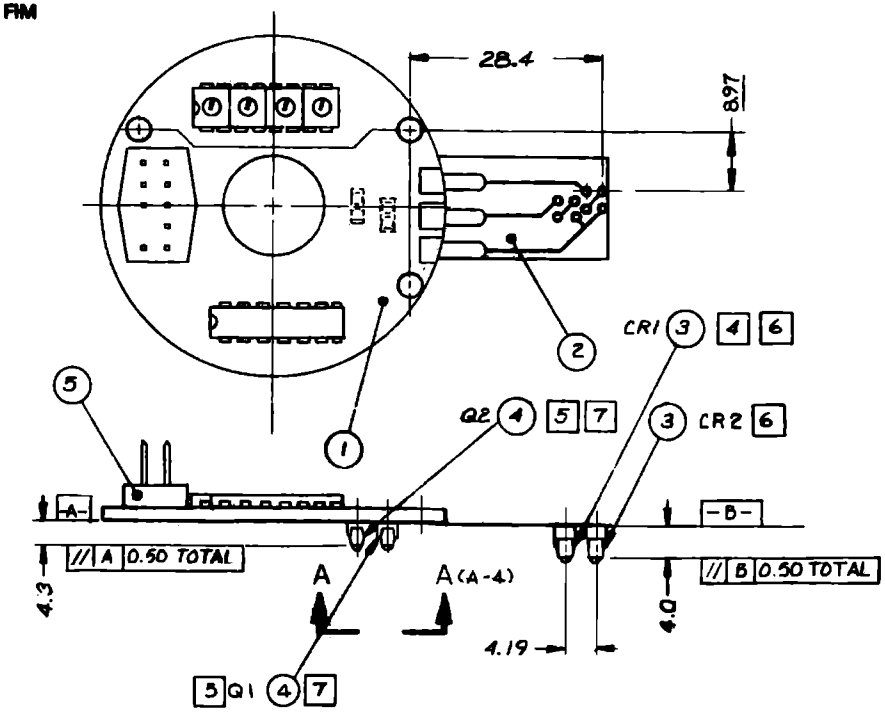
ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0006	00020.000	0972932-0001	DIODE 1N9148 SEE TI- DRAWING	EA
0006A			CR1,CR2,CR3,CR4,CR5,CR6,CR7 SEE TI- DRAWING	
0006B			CR8,CR9,CR10,CR11,CR12,CR13 SEE TI- DRAWING	
0006C			CR14,CR15,CR16,CR17,CR18 SEE TI- DRAWING	
0006D			CR19,CR20 SEE TI- DRAWING	
0009	00001.000	0972763-0025	CAPACITOR,.10UF 50V FX,CERAMIC DIEL COR CA-C03Z5U104Z050A	EA
0009A			C1 COR CA-C03Z5U104Z050A	
0011	00006.000	0972946-0047	RES FIX 100 OHM 5 % .25 W CARBON FILM ROH - R-25	EA
0011A			R1,R2,R3,R4,R5,R6 ROH - R-25	
0012	00001.000	0972946-0057	RES FIX 470 OHM 5 % .25 W CARBON FILM ROH - R-25	EA
0012A			R8 ROH - R-25	
0013	00002.000	0972946-0049	RES FIX 220 OHM 5 % .25 W CARBON FILM ROH - R-25	EA
0013A			R9, R10 ROH - R-25	

NOTES, UNLESS OTHERWISE SPECIFIED:

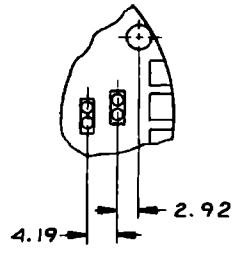
1. ALL DIMENSIONS ARE IN MILLIMETERS
2. GENERAL TOLERANCES:
   ONE PLACE DECIMALS = ± 0.5
   TWO PLACE DECIMALS = ± 0.25
3. CONCENTRICITY MACHINED DIAMETERS 0.25 FIM
4. CR1 (ITEM 3) AND Q1 (ITEM 4) USED ON 2206620-0002 ONLY
5. ORIENT COLLECTOR ON THIS SIDE (TAB)
6. ORIENT CATHODE ON THIS SIDE (TAB)
7. THE LEADS OF ITEM 4 ARE NOT REQUIRED TO PROTRUDE THRU SOLDER FILLET AFTER SOLDERING

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
F	CN506549(C) M. DURHAM	2/10/84	

CONVERSION CHART	
mm	INCHES
0.25	.010
0.5	.02
2.92	.115
3.0	.12
4.3	.17
2.2	.67
4.19	.165
4.0	.16
9.7	.38
8.97	.35
28.4	1.12
// A:B 0.50	// A:B .020



PART NUMBER	DESCRIPTION
2206620-0002	ENCODER SUB-ASSY, C.P., 810/820
2206620-0001	ENCODER SUB-ASSY, STD., 810/820



VIEW A-A
(B-3)
ROTATED 90°

-0002 SHOWN

METRIC

SEQ NO	IDENT	F-SPEC	NO	ADDITIONAL
1	SLDR	127-01	00	
PROCESS		CLASSIFICATION		NOTES

PROCESSES — FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 729467

-1 QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES

PARTS LIST

NEXT ASSY	USED ON
994546 8733	
APPLICATION	

TEXAS INSTRUMENTS INCORPORATED
Dallas, Texas

ENCODER SUB ASSY,
810 / 820

SIZE C | FSCM NO 96214 | DRAWING NO 2206620 | SCALE 2:1 | SHEET

2206620

320

DB LM

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
2206620-0001	F	ENCODER SUB-ASSY, STD, 810/820

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994541-0001	ENCODER,PRINTED CIRCUIT ASSY, 10 CPI 1225-1541-050	EA
0002	00001.000	0994549-0001	CABLE, FLEX PC 1221-1549-000	EA
0003	00001.000	2210311-0002	DIODE, ARRAY, 2 ELEMENTS 01295T-IL42	EA
0003A			CR2 01295T-IL42	
0004	00001.000	2210312-0002	PHOTOTRANSISTOR, ARRAY, 2 ELEMENTS 01295T-IL622	EA
0004A			Q2 01295T-IL622	
0005	00001.000	2230489-0001	SEAL, DUST COVER, ENCODER, 810/820 0000-0000-000	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
2206620-0002	F	ENCODER SUB-ASSY, C.P., 810/820

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994541-0002	ENCODER,PRINTED CIRCUIT ASSY,13/16.5 CPI 1225-2541-073	EA
0002	00001.000	0994549-0001	CABLE, FLEX PC 1221-1549-000	EA
0003	00002.000	2210311-0002	DIODE, ARRAY, 2 ELEMENTS 01295T-IL42	EA
0003A			CR1,CR2 01295T-IL42	
0004	00002.000	2210312-0002	PHOTOTRANSISTOR, ARRAY, 2 ELEMENTS 01295T-IL622	EA
0004A			Q1,Q2 01295T-IL622	
0005	00001.000	2230489-0001	SEAL, DUST COVER, ENCODER, 810/820 0000-0000-000	EA

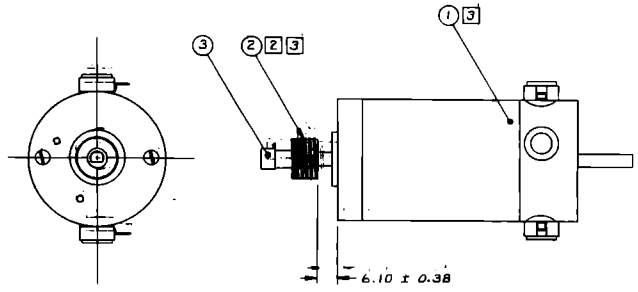
DWG NO 2206622 SH

NOTES: UNLESS OTHERWISE SPECIFIED:

1. MOUNTING HARDWARE PROVIDED WITH ITEM 1
2. ALIGN FLATS ON MOTOR SHAFT AND CAPSTAN
3. SUPPORT MOTOR SHAFT WHILE INSTALLING CAPSTAN
5. ALL DIMENSIONS ARE IN MILLIMETERS
6. GENERAL TOLERANCES:
   ONE PLACE DECIMALS = ± 0.5
   TWO PLACE DECIMALS = ± 0.25

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	CN 433621	8-21-79	
B	CN 441205 (D) J.A.ROY	2-29-80	
(1,2 (C-7) CONVERTED DIM WAS .250 IN.			

CONVERSION CHART	
mm	INCHES
0.25	.010
6.5	.02
6.10 ± 0.38	.240 ± .015



METRIC

THIRD ANGLE PROJECTION

QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES
			PARTS LIST		

UNLESS OTHERWISE SPECIFIED
- TOLERANCES ANGLES ±1° [6]
- INTERPRET DRAWING PER MIL-D-1000
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY, MACHINED DIAMETERS .010 FIM
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

.013 THRU .125: .004 / .001	.126 THRU .250: .005 / .001	.251 THRU .500: .006 / .001	
.501 THRU .750: .008 / .001	.751 THRU 1.000: .010 / .001	1.001 THRU 2.000: .013 / .001	

	8754
994546	8733
NEXT ASSY	USED ON
APPLICATION	

DWN J. Stano 7-3-79
CHK C. Stamp 8-21-79
ENGR J. Langer 8/4/79
ENGR Ed Lee 8/21/79
MFG [illegible] 8-21-79
QA [illegible] 8-22-79
ENGR [illegible] 8/24/79

TEXAS INSTRUMENTS INCORPORATED Dallas, Texas

MOTOR, SUB-ASSEMBLY

SIZE D | Master No. 96214 | DRAWING NO. 2206622

SCALE 1:1 | SHEET

SEQ NO	IDENT	F-SPEC	NO	ADDITIONAL	NOTES
PROCESS			CLASSIFICATION		

PROCESSES FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE 11 DRAWING 72587

30

LM

List of Materials

02/04/84

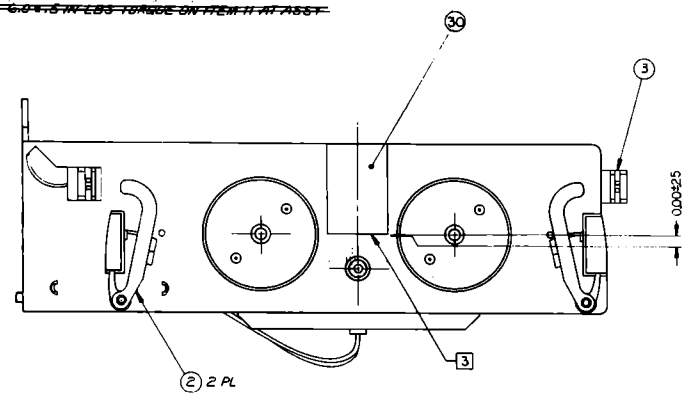
PART NUMBER	REV	DESCRIPTION
2206622-0001	B	MOTOR, SUB-ASSEMBLY

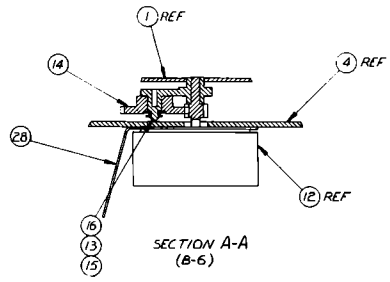
ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994206-0001	MOTOR-D.C. SERVO 25 AMPERES ELR - 7-1417	EA
0002	00001.000	0994177-0001	CAPSTAN,MOTOR 1255-0004-031	EA
0003	00001.000	2210037-0001	FASTENER, PLASTIC BOSS CAPSYS-GTC204-213	EA

NOTES: UNLESS OTHERWISE SPECIFIED:

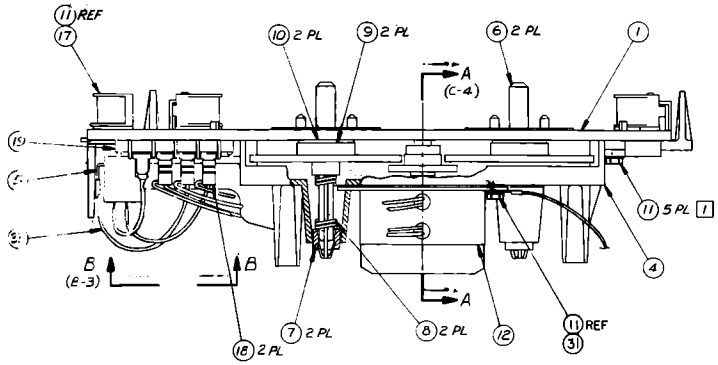
1. APPLY 12±1 IN LBS TORQUE ON ITEM 11 AT ASSEMBLY
2. MARK ITEM 25 PER PROCESS 1 TO SHOW ASSEMBLY NUMBER AND REVISION LETTER. MARK SITE / DATE CODE AND SERIAL NUMBER ON ITEM 25 PER PROCESS 1 AND ITEM 22, PARAGRAPH 3.0
3. TAPE TO BE INSTALLED FROM THIS POINT ON TOP PLATE TO CORRESPONDING POINT ON CHASSIS

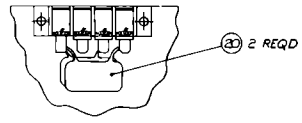
~~4. APPLY 6.0±.5 IN-LBS TORQUE ON ITEM 11 AT ASSY~~





SECTION A-A
(B-6)





VIEW B-B
(A-7)

REV	DESCRIPTION	DATE	APPROVED
A	CN477584 (D) (1) ITEM 11 WAS 972679-12 (2) ADDED ITEMS 30, 31 AND 32 (3) ADDED NOTE 3	10-27-81	
B	CN477896 (C)	1-4-82	
	1) ADDED ITEM 33 2) QTY OF ITEM 18 WAS 3 3) REVISED DWG PICTORIALLY		
C	CN468932 (D) D. Stamm	7-22-82	
	LM-0001 ONLY, ITEM 25, P/N WAS 0232208-7000		
D	CN 502465 (C) (1) DELE	10-12-82	
	ITEM 32 (2) ITEM 11 WAS P/N 2210523-28 QTY 4 (3) REV PICTORIAL		
E	CN 468994 (D) (1) ITEM	10-12-82	
	26 QTY WAS 1 (2) ADDED ITEM 26 BALLOON (2 ONE B-8)		
F	CN 491438 (C) (1) ITEM	10-12-82	
	26 QTY WAS 2 (2) DELE ITEM 27 (3) ADDED NOTE 4 (4) REV PICTORIAL		
G	CN494179 (C) J. RUNYON (1) DEL	6-27-83	
	NOTE 4 (2) NOTE 1 WAS 16 ± 1 IN LBS		
H	CN498431 (D) R. KARL (1) DELETED ITEM 26 (P/N 411027-806)	9-9-83	
J	CN498653 (C) R. KARL	9-28-83	
	(1) REVISED NOTE 1		
K	CN499627 (D) 3-5-84	3-5-84	

PART NUMBER	DESCRIPTION
2208274-0001	RIBBON DRIVE ASSY-810-SPARES
2208274-0001	RIBBON DRIVE ASSEMBLY-810

PARTS LIST

QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES: ANGLES ±1°; 3 PLACE DECIMALS ± .010; 2 PLACE DECIMALS ± .02
- INTERPRET DRAWING PER MIL-D-1000
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIM
- DIMENSIONAL UNITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

.013 THRU .064 ± .001	.125 THRU .609 ± .001	.251 THRU .998 ± .001
	.250 THRU .500 ± .001	.500 THRU .751 ± .001
.501 THRU .749 ± .001	.751 THRU .999 ± .001	1.001 THRU 2.000 ± .001

2222693*	8754
994291	8733
NEXT ASSY	USED ON
APPLICATION	

TEXAS INSTRUMENTS INCORPORATED, Dallas, Texas

RIBBON DRIVE ASSEMBLY-810

SIZE D | FSCM NO 98214 | DRAWING NO 2208274 | SCALE 1/1 | SHEET

SEQ NO	IDENT	F-SPEC	NO	ADDITIONAL	NOTES	REV STATUS OF SHEETS	REV
1	MARK 100-02	21	WEIGHT .12 COLOR BLACK		2		
PROCESS			CLASSIFICATION				

PROCESSES — FOR CORRELATION TO SOFTWARE SPECIFICATIONS, SEE 11 DRAWING 725487

2 FILMED LM

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
2208274-0001	K	RIBBON DRIVE ASSEMBLY-810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2208272-0001	TOP PLATE,RIBBON DRIVE-810 1255-0060-024	EA
0002	00002.000	2207639-0001	RIBBON GUIDE,TOP PLATE 1255-1053-019	EA
0003	00001.000	2360040-0001	ARM,SHIFT,RIBBON-810 1255-0071-014	EA
0004	00001.000	2208273-0001	CHASSIS,RIBBON DRIVE-810 1255-0061-020	EA
0005	00001.000	0996168-0001	MINIATURE PRECISION SWITCH CEP - E22-00AX	EA
0006	00002.000	2207642-0001	HUB,DRIVE SPOOL,810/820 1255-1056-021	EA
0007	00002.000	2207640-0001	BEARING,LOWER-DRIVE HUB 1255-1054-018	EA
0008	00002.000	0994221-0001	SPRING,COMPRESSION-GEAR DRIVE	EA
0009	00002.000	2207641-0001	GEAR,DRIVE HUB-RIBBON 1255-1055-019	EA
0010	00002.000	0994219-0001	PAD,FRICTION-RIBBON	EA
0011	00005.000	0972679-0012	SCREW # 6-19 X 3/8 SLOTTED HEX	EA
0012	00001.000	0996160-0002	MOTOR, SYNCHRONOUS, REVERSIBLE SEE TI- DRAWING	EA
0013	00001.000	0412991-0003	RING #4 PRONGS RETAINING EXTERNAL	EA
0014	00001.000	0994225-0001	GEAR,IDLER-REVERSE-MTR 1255-0014-027	EA
0015	00001.000	0996277-0001	WASHER,SPRING,#5 ITW - 3502-05-32S	EA
0016	00001.000	0994226-0001	ARM,REVERSE-MTR 1255-0015-024	EA
0017	00001.000	0994378-0001	GUIDE,RIBBON-LOWER LEFT 1255-0036-024	EA
0018	00002.000	0994231-0001	JUMPER ASSY,RIBBON DRIVE 1225-1231-081	EA
0019	00001.000	0996368-0001	TERMINAL BLOCK 075382-#799W/3/4ST	EA
0020	00002.000	0996330-0001	NETWORK 22 OHMS 10% #22 AWG SOLID LEADS	EA
0022	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0024	REF	0994392-9901	ELECTRONIC SCHEMATIC DIAG,POWER SUPPLY	EA
0025	00001.000	0232208-7000	LABEL 1X3INS RECTL SELF-ADHESIVE 016956-43551	EA
0028	00001.000	2360084-0001	HEATSINK,RIBBON DRIVE MOTOR-810 1680-0084-024	EA
0029	00001.000	0994309-0001	CABLE ASSY,RIBBON DRIVE 1225-1309-106	EA
0030	AR	2211458-0001	TAPE, ALUMINUM FOIL .0048" THICK SEE TI- DRAWING	RL
0031	00001.000	0994444-0001	GROUND LEAD,6 INCH 1225-1444-080	EA
0033	00001.000	2360087-0001	JUMPER ASSY, 810 RIBBON DRIVE 1225-1087-017	EA

DWG NO 2210557	SH	LEVEL 2	6145 6000

APPLICATION	
NEXT ASSY	USED ON
	8501
	8733

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	CN434032 P. McCormick 9-24-79	9/26/79	
B	CN445761 Rick Hayes 10-8-79	10/9/79	D. Stamm
C	CN460098	11/28/79	D. Stamm
D	CN465696	2/13/81	
E	CN486902 (E) TJ DAVIS	4-14-82	M Bill
F	CN 506671 (E) CBLOCK	3-9-83	

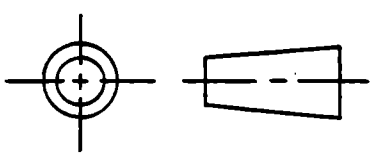
1.0 SCOPE:

THIS SPECIFICATION COVERS THE REQUIREMENTS FOR FLAT, MULTI-CONDUCTOR ELECTRICAL CABLE

2.0 APPLICABLE DOCUMENTS:

WHERE THIS SPECIFICATION REFERS TO ANOTHER DOCUMENT, THAT DOCUMENT IS OF THE ISSUE IN EFFECT ON THE DATE OF INVITATION TO BID OR REQUEST FOR PROPOSAL. REFERENCED DOCUMENTS APPLY TO THE EXTENT SPECIFIED HEREIN. THIS SPECIFICATION GOVERNS WHEN A REFERENCED DOCUMENT CONFLICTS.

THIRD ANGLE PROJECTION



SEE METRIC (SI) CONVERSION CHART FOR EQUIVALENT DIMENSIONS

METRIC (SI) GENERAL TOLERANCE
2 PLACE DECIMAL = ±0.25 mm (.010 INCH)
1 PLACE DECIMAL = ±0.5 mm (.02 INCH)

SPECIFICATION CONTROL DRAWING

REV																														
SHEET																														

REV STATUS OF SHEETS																														
REV	F	F	E	F	D																									
SHEET	1	2	3	4	5																									

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES: ANGLES ±1° 3 PLACE DECIMALS ±.010 2 PLACE DECIMALS ±.02
- PARENTHETICAL INFO FOR REF ONLY

DWN	DATE 6-6-79
CHK	6/3/79
ENGR	
APVD	7/10/79
QA Bradford	7/10/79
CONTR	7-11-79
RQSE	7/27/79

TEXAS INSTRUMENTS INCORPORATED Dallas, Texas

CABLE, ELECTRICAL, MULTI-CONDUCTOR, FLAT

SIZE	FSCM NO	DRAWING NO
A	96214	2210557

SCALE NONE SHEET 1 of 5

TI-23547

FILMED

3.0 REQUIREMENTS:

3.1 PHYSICAL: SEE FIGURE 1

3.1.1 MATERIALS AND FINISHES:

3.1.1.1 CONDUCTORS: NUMBER 28 AWG; FULLY ANNEALED COPPER TINNED

3.1.1.2 CONDUCTOR INSULATION: UL RATED FR-1 OR BETTER PVC

3.1.1.3 CONNECTORS: GLASS-FILLED POLYESTER, UL RATED 94V-0 OR BETTER

3.1.1.4 CONTACTS: PHOSPHOR BRONZE.

3.1.1.5 CONTACT PLATING: .000030 INCH [0.00076 mm] GOLD OVER .000050 INCH [0.00127 mm] NICKEL IN CONTACT AREA, GOLD FLASH ON REMAINDER OF CONTACT

3.1.1.6 KEYING: SEE FIGURE 1

3.1.2 MARKINGS: CONNECTOR SHALL BE MARKED PER FIGURE 1

3.2 ELECTRICAL:

3.2.1 CONNECTOR INSULATION RESISTANCE: 100,000 MEGOHMS MINIMUM

3.2.2 WITHSTANDING VOLTAGE: 300 VOLTS R.M.S.

3.2.3 CURRENT RATING: 1 AMPERE DC

3.2.4 CONTACT RESISTANCE: 15 MILLIOHMS MAXIMUM

3.2.5 IMPEDANCE: 105 OHMS MAXIMUM

3.2.6 CAPACITANCE: 14 PICOFARADS PER FOOT [49 PICOFARADS PER METER] MAXIMUM

3.2.7 INDUCTANCE: .20 MICROHENRIES PER FOOT [0.66 MICROHENRIES PER METER] MAXIMUM

3.2.8 PROPAGATION DELAY: 1.42 NANOSECONDS PER FOOT [4.66 NANOSECONDS PER METER] MAXIMUM

3.2.9 CONTACT INSERTION FORCE: .50 LB [2.21 N] MAX

3.2.9.1 CONTACT WITHDRAWL FORCE: .06 LB [0.24 N]

NOTES: [1] POSITION 4 SHALL BE KEYED ON -0002 ONLY. POSITIONS 4 AND 6 SHALL BE KEYED ON -0003 ONLY
[2] POSITIONS 4, 9 AND 10 SHALL BE KEYED ON -0002 AND -0003 ONLY

3. METHOD OF INDICATING POSITIONS IS VENDOR'S OPTION

TI DASH NUMBER	MARKING
-0001	-1
-0002	-2
-0003	-3

TABLE I

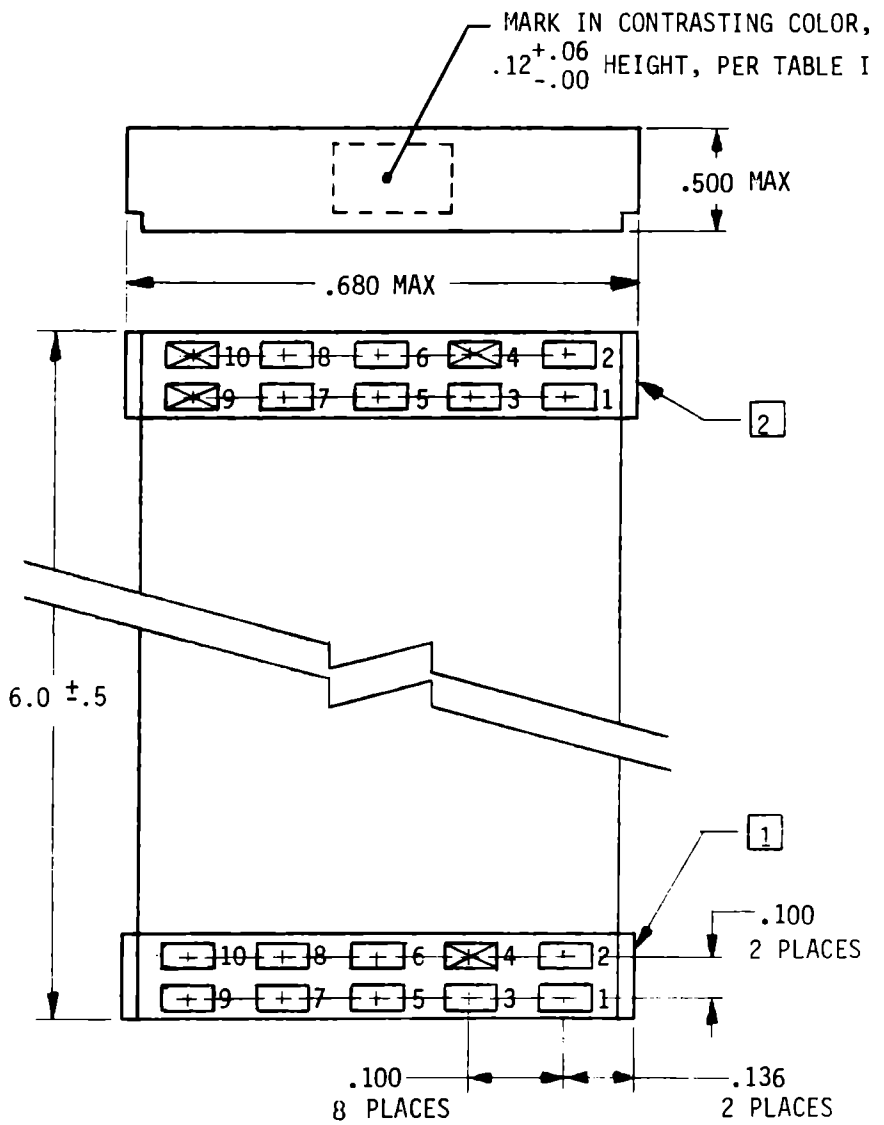


FIGURE 1

CONVERSION CHART	
INCH	mm
10.0	254
.680	17.27
.5	13
.500	12.70
.136	3.45
.12	3.05
.100	2.54
.06	1.52

4.0 QUALITY ASSURANCE PROVISIONS:

4.1 RESPONSIBILITY FOR INSPECTION:

UNLESS OTHERWISE SPECIFIED IN THE CONTRACT OR PURCHASE ORDER, THE SUPPLIER SHALL BE RESPONSIBLE FOR PERFORMING INSPECTIONS THAT ARE SUFFICIENT TO ASSURE THAT THE PARTS SUPPLIED MEET THE REQUIREMENTS SPECIFIED HEREIN.

~~4.2 LOT ACCEPTANCE:~~

~~LOTS FURNISHED TO THIS SPECIFICATION SHALL BE CAPABLE OF PASSING A SAMPLING INSPECTION FOR DEFECTS TO AN ACCEPTANCE QUALITY LEVEL (AQL) OF ONE PERCENT FOR NORMAL SINGLE SAMPLING, LEVEL II, PER MIL-STD-105. FAILING LOTS SHALL BE SUBJECT TO REJECTION.~~

5.0 PREPARATION FOR DELIVERY:

5.1 PACKAGING:

PACKING AND WRAPPING SHALL BE SUFFICIENT TO PROTECT AGAINST DAMAGE OR LOSS DURING SHIPMENT FROM THE SUPPLIER TO THE DESTINATION SPECIFIED IN THE PURCHASE ORDER.

5.2 MARKING:

THE SHIPPING CONTAINER SHALL BE MARKED WITH THE TI PART NUMBER (SEE PART NUMBER BLOCK) AND THE COUNT CONTAINED. ADDITIONAL MARKINGS ARE PERMITTED.

SUGGESTED SOURCE(S) OF SUPPLY:

1. NORVELL ELECTRONICS (NORVEL)
   14410 MIDWAY RD
   DALLAS, TX 75239

2. BERG ELECTRONICS, INC (22526)
   YORK EXPRESSWAY
   NEW CUMBERLAND, PA 17070

TEXAS INSTRUMENTS PART NUMBER	MANUFACTURER'S PART NUMBERS		
	SOURCE 1	SOURCE 2	SOURCE 3
2210557-0001	922521 10 02 0010	80096-0001 (76164-010 WITH 65485-001)	
2210557-0002	13-360	80096-0002 (76164-010 WITH 65485-001)	
2210557-0003		80096-0004 (76164-010 WITH 65485-001)	

NOTES: UNLESS OTHERWISE SPECIFIED:

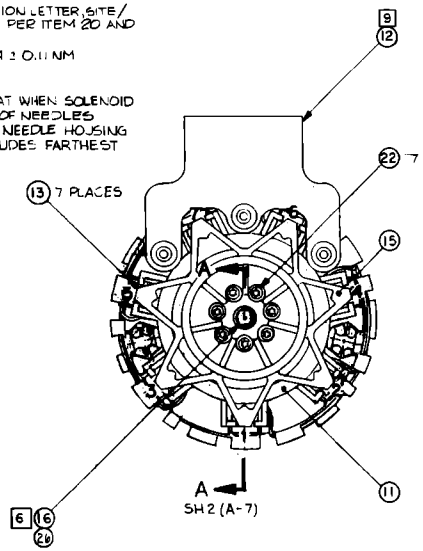
1. ALL DIMENSIONS ARE IN MILLIMETERS
2. GENERAL TOLERANCES:
   ONE PLACE DECIMALS = ± 0.5
   TWO PLACE DECIMALS = ± 0.25
3. ROLLERS IN BEARING (ITEM 6) MUST BE FREE OF ANY ADHESIVE
4. TIPS OF NEEDLES PROTRUDE (.305 ± 0.025 FOR -0001 AND .356 ± 0.25 FOR -0002) BEYOND FACE OF NEEDLE HOUSING OR JEWEL WHICHEVER PROTRUDES FARTHEST IN ORIGINAL POSITION (90° TO ARMS)
5. PART NUMBER AND REVISION LETTER, SITE/DATE CODE AND SERIAL NUMBER PER ITEM 20 AND PROCESS 3
6. TO ATTACH SCREW (ITEM 16) TO .24 ± 0.11 NM TORQUE
7. ADJUST SCREW (ITEM 22) SO THAT WHEN SOLENOID CURRENT IS REMOVED, ENDS OF NEEDLES ARE 0.011 ± 0.013 BEYOND NEEDLE HOUSING OR JEWEL WHICHEVER PROTRUDES FARTHEST
8. LAMINATION STACK THICKNESS 6.27±0.30
9. SECURE BOARD (ITEM 12) TO MOUNTING PLATE (ITEM 1) BY STAKING THREE POSTS
10. INSTALL STUD (ITEM 17) BY PRESSING INTO MOUNTING PLATE (ITEM 1)

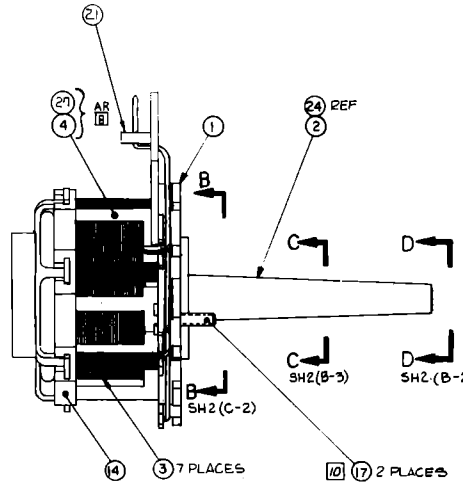
-0001 NEEDLE NO	-0001 SIGNATURE	-0001 START STATION	-0001 FINISH STATION	-0002 NEEDLE NO	-0002 SIGNATURE	-0002 START STATION	-0002 FINISH STATION
1	SOLENOID 1	E 5	E 12	1	SOLENOID 1	E 11	E 12
2	↑ 2	↑ 3	↑ 10	2	↑ 2	↑ 9	↑ 10
3	3	7	14	3	3	13	14
4	4	2	9	4	4	2	3
5	5	4	11	5	5	4	5
6	6	1	8	6	6	1	8
7	SOLENOID 7	E 6	E 13	7	SOLENOID 7	E 6	E 7

REV	DESCRIPTION	DATE	APPROVED
J	CN5157II (D) JD Dlm 2-23-84	2-23-84	

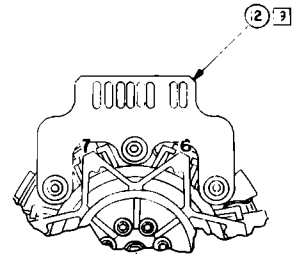
Dwg no 2217374 Sh 1

CONVERSION CHART	
mm	INCHES
5.D	.12
0.25	.010
0.356 ± 0.025	.014 ± .001
0.305 ± 0.025	.012 ± .001
0.5	.02
0.051 ± 0.013	.002 ± .0005
6.27 ± 0.30	.247 ± .011
NM	IN-LB
1.24 ± 0.11	11.0 ± 1.0





-0001 SHOWN



-0002 SHOWN

PART NUMBER	DESCRIPTION
2217374-0002	PRINTHEAD ASSY, UNIVERSAL-810
2217374-0001	PRINTHEAD ASSY, UNIVERSAL-82X

METRIC

ITEM NO	QTY	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES
1		MARK 902-01	01 HGT 3.0, CLR BLK (CAT 5)		5

PARTS LIST

SEQ NO	IDENT	F-SPEC	NO	ADDITIONAL	NOTES
PROCESS				CLASSIFICATION	

PROCESSED — FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 729467

REV STATUS OF SHEETS: REV J D; SH 1 2

COMMON	8733
COMMON	8740
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
- TOLERANCES ANGLES ±1° [1]
- INTERPRET DRAWING PER MIL-D-1000
- REMOVE ALL BURRS AND SHARP EDGES [2]
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

.031 THRU 1.25	.126 THRU .500	.625 THRU .875
.001 - .003	.000 - .005	.000 - .001
.501 THRU 1.000	.751 THRU 1.000	.751 THRU 3.000
.000 - .001	.010 - .001	.012 - .001

DWN Laura Symington Aug 81
CHK [illegible] 9/11/81
ENGR [illegible] 9/11/81
MFG [illegible] 9-14-81
QA [illegible] 10/01/81
ENGR [illegible] 1-14-82

TEXAS INSTRUMENTS INCORPORATED Dallas, Texas

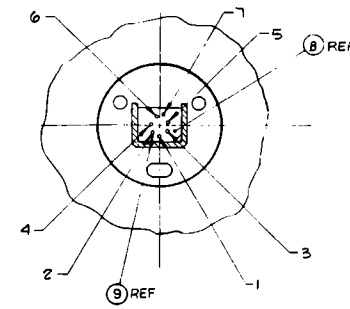
PRINTHEAD ASSEMBLY, UNIVERSAL -810 & 82X

SIZE D | PSCM NO 96214 | DRAWING NO 2217374 | SCALE 2:1 | SHEET 1 OF 2

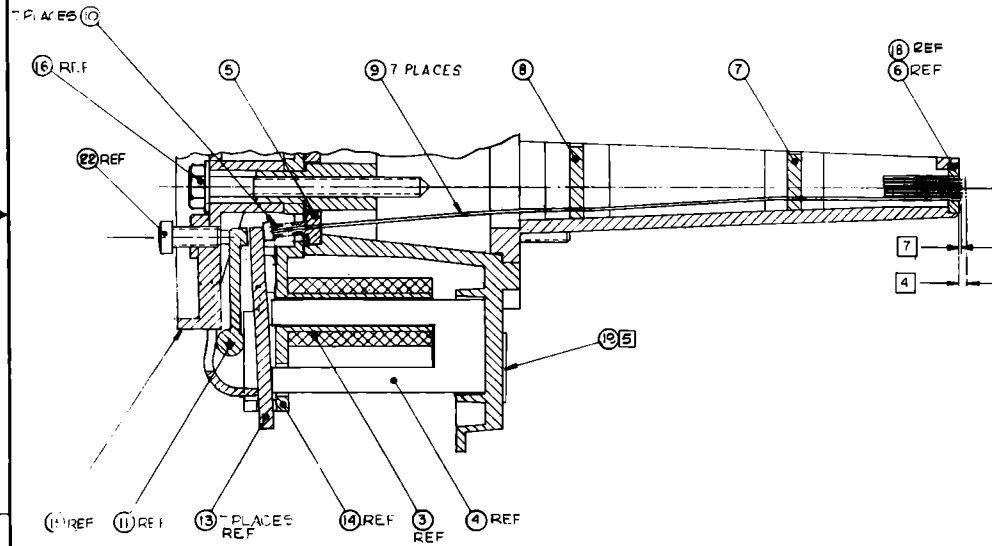
300 LM

9-245

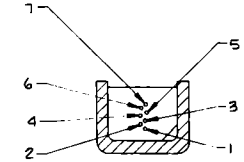
DWG NO 2217374 SH 2



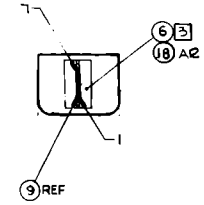
SECTION B-B
SH 1 (B-4)
SCALE NONE



SECTION A-A
SH 1 (B-6)
SCALE NONE



SECTION C-C
SH 1 (B-3)
SCALE NONE



VIEW D-D
SH 1 (B-3)
SCALE NONE

TEXAS INSTRUMENTS	DWN	DATE 5-23-80	SIZE D	DRAWING NO 2217374	REV D
	ISSUE DATE		SCALE 2:1	SHEET 2	

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
2217374-0002	J	PRINTHEAD ASSY,UNIVERSAL -E10

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2217367-0001	PLATE, MOUNTING UNIVERSAL 1255-0066-012	EA
0002	00001.000	2206646-0001	HOUSING NEEDLE 1255-0059-013	EA
0003	00007.000	2207440-0001	COIL, PRINTHEAD,UNIVERSAL 1225-7440-000	EA
0004	00126.000	2213915-0001	LAMINATION, SOLENOID	EA
0005	00001.000	2213932-0001	BEARING GUIDE, REAR 1255-0062-012	EA
0006	00001.000	0994332-0001	BEARING,JEWELLED	EA
0007	00001.000	0994282-0001	BEARING,FRONT 1255-0024-028	EA
0008	00001.000	0994283-0001	BEARING,REAR 1255-0025-023	EA
0009	00007.000	2215580-0001	NEEDLE 1255-1584-022	EA
0012	00007.000	0994278-0001	SPRING,NEEDLE,COMP .072 X .240 LONG	EA
0011	00001.000	2206645-0001	BUMPER-STOP PRINTHEAD 1255-0058-012	EA
0012	00001.000	0994245-0001	PWB,PRINTHEAD	EA
0013	00007.000	2207447-0001	ARMATURE	EA
0014	00001.000	2217366-0001	HOLDER, LAMINATIONS UNIVERSAL 1255-0065-013	EA
0015	00001.000	2217365-0001	HOLDER, BUMPER UNIVERSAL 1255-0064-013	EA
0016	00001.000	2211895-0011	SCREW,TORX HD,BLK ENDURION,TRI-LOBE SEE TI- DRAWING	EA
0017	00002.000	0972355-0003	STUD,CLINCH,.375 LONG,BRONZE 046304-KFH-440-6	EA
0018	AR	0996527-0002	ADHESIVE,LOCTITE 414 SUPER BONDER 005972-414 1 OZ	BT
0019	00001.000	0232208-3500	LABEL WIRE MARKER DATABS VINYL CLOTH 1286-2208-000	EA
0020	REF	0994396-9901	PROCEDURE,SITE & DATE CODE SERIALIZATION	EA
0022	00007.000	2222074-0001	SCREW, MACHINE, TORX, PAN HEAD SEE TI- DRAWING	EA
0024	REF	2360048-0001	PROC ULTRASONIC WELDING, NEEDLE HOUSING	EA
0026	00001.000	0416622-0011	WASHER #4 FLAT GPL - AN960C4L	EA
0027	AR	0996527-0003	ADHESIVE, CYANOACRYLATE,420 SUPERBONDER 005972-SEE DRAWING	BT

NOTES: UNLESS OTHERWISE SPECIFIED:

1. THE FOLLOWING ASSEMBLIES SHOWN ON THIS DRAWING ARE PICTORIAL ONLY. THEY ARE SHOWN AND CALLED OUT ON TOP ASSEMBLY DRAWINGS: COVER (2360021), DOOR ASSEMBLY (994500), BASE POWER SUPPLY ASSEMBLY (994323) AND CONTROL PANEL ASSEMBLY (994500)
2. LOOSEN THIS ASSEMBLY AND SLIDE TO THE RIGHT TO HAVE ACCESS TO THE NUT WHICH MOUNTS THE MECHANISM ASSEMBLY TO THE BASE
3. ON MACHINES CONFIGURED TO OTHER THAN 120V, ADD LABEL (ITEM 55) TO THE FUSE MODULE. ON 120V MACHINES VERIFY THAT THE FUSE MODULE HAS NO LABEL, OR REMOVE LABEL IF ALTERNATE MODULE WITH LABEL IS USED
4. IF MOUNTING HOLE STRIPS – SUBSTITUTE ITEM 56 FOR ITEM 53 IN STRIPPED HOLE ONLY
5. ADJUST DOOR LATCH AS REQUIRED FOR PROPER ENGAGEMENT WITH SPRING (ITEM 26)
6. IF MOUNTING HOLE STRIPS SUBSTITUTE ITEM 42 FOR FOR ITEM 33 IN STRIPPED HOLE ONLY
7. IF MOUNTING HOLE STRIPS – SUBSTITUTE ITEM 43 FOR ITEM 32 IN STRIPPED HOLE ONLY
8. TORQUE MOUNTING HARDWARE TO 1.5 ± 0.1 NM
9. TORQUE MOUNTING HARDWARE TO 1.0 ± 0.1 NM
10. MARK APPROPRIATE BLANKS ON CONFIGURATION LABEL PER SALES ORDER. INSTALL ORIGINAL COPY OF THE CONFIGURATION LABEL ON THE BOTTOM SIDE OF ACCESS DOOR SUCH THAT IT CAN BE READ FROM THE FRONT OF THE PRINTER WHEN THE DOOR IS OPEN. PLACE CARBON COPY WITH SALES ORDER

NOTES: CONTINUED

11. TORQUE MECHANISM MOUNTING NUTS (ITEM 54) TO 3.2 ± 0.2 NM
12. OMIT FCC LABEL (ITEM 52) FROM PRINTERS CONFIGURED FOR VOLTAGES OTHER THAN 120 V
13. THIS END OF ELECTRONICS COVER (ITEM 29) TO BE PUSHED DOWN SO THAT THE TOP SURFACE OF THE COVER IS NO HIGHER THAN 2.0 ABOVE THIS SURFACE OF FAN BRACKET
14. ITEM 47 SHALL BE ASSEMBLED PER DIMENSION SHOWN IN VIEW G AND TIGHTEN MOUNTING SCREWS TO 1.0 ± 0.1 NM
15. PRINTER IS AVAILABLE FOR 100V, 120V, 220V OR 240 V INPUT. MACHINE SHOULD BE CONFIGURED FOR 120V, UNLESS 100, 220 OR 240 V INPUT IS SELECTED AS SUBOPTION ON SALES ORDER. PRIMARY FUSE (ITEM 60 OR 61) SHOULD BE SELECTED PER VOLTAGE CALLOUT ON SALES ORDER (ITEM 60 WITH 100 OR 120V) OR (ITEM 61 WITH 220 OR 240V). VOLTAGE CONFIGURATION CARD (INSIDE FUSED CONNECTOR) SHOULD BE POSITIONED TO THE CORRECT VOLTAGE AS SPECIFIED ON SALES ORDER

DWG NO 2230487 SH 1

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	CN506291 (D) REX KARL (1) ADDED ITEM 35 AND CALLOUT	1/31/83	R.E. Lyons

2230487-1000	NON-FUNCTIONAL ASSY, COMMON PARTS - 810
2230487-0004	NON-FUNCTIONAL ASSY, LQ, 10/16.5 CPI - 810
2230487-0003	NON-FUNCTIONAL ASSY, LQ, 10 CPI - 810
2230487-0002	NON-FUNCTIONAL ASSY, EXP, 10/16.5 CPI - 810
2230487-0001	NON-FUNCTIONAL ASSY, EXP, 10 CPI - 810
PART NUMBER	DESCRIPTION

PARTS LIST

QTY -3	QTY -2	QTY -1	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	NOTES
			2360080	8733		
			2360038	8733		
			2360017	8733		
			2360020	8733		
			994293	8733		
			994292	8733		
2230488		8733	NEXT ASSY	USED ON	APPLICATION	

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN MILLIMETERS
- TOLERANCES: 3 PLACE DECIMALS ± 0.25
- 1 PLACE DECIMALS ± 0.5 ANGLES ± 1°
- INTERPRET DRAWING PER DODD-1300
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS 0.25 FIM
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

0.33 THRU 3.18	+0.10-0.03
3.20 THRU 9.35	+0.13-0.03
9.38 THRU 12.70	+0.18-0.03
12.73 THRU 19.05	+0.20-0.03
19.08 THRU 25.40	+0.25-0.03
25.43 THRU 50.80	+0.30-0.03

THIRD ANGLE PROJECTION

DWN	M. Hughes	DATE 10-5-82
ENG		
MFG		
QA		
APPD	R.E. Lyons	10/27/82

TEXAS INSTRUMENTS — SI-METRIC

NON-FUNCTIONAL ASSY - 810 PRINTER

DWG NO D06668 — DRAWING NO 2230487

SCALE NONE — SHEET 1 OF 4

REQ NO	IDENT	P.SPEC	NO	ADDITIONAL
PROCESS			CLASSIFICATION	NOTES

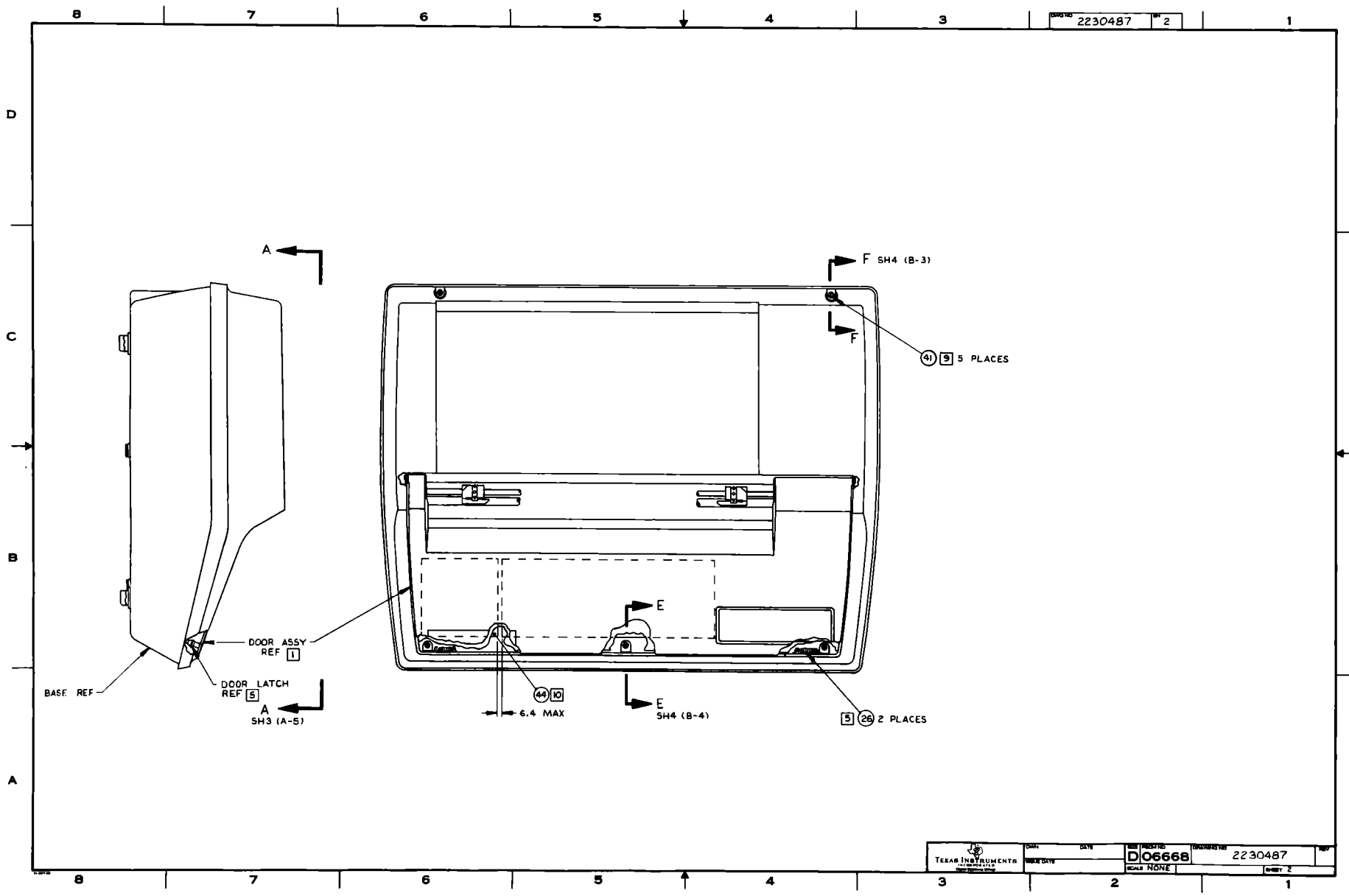
PROCESSES – FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE 11 DRAWING 729487

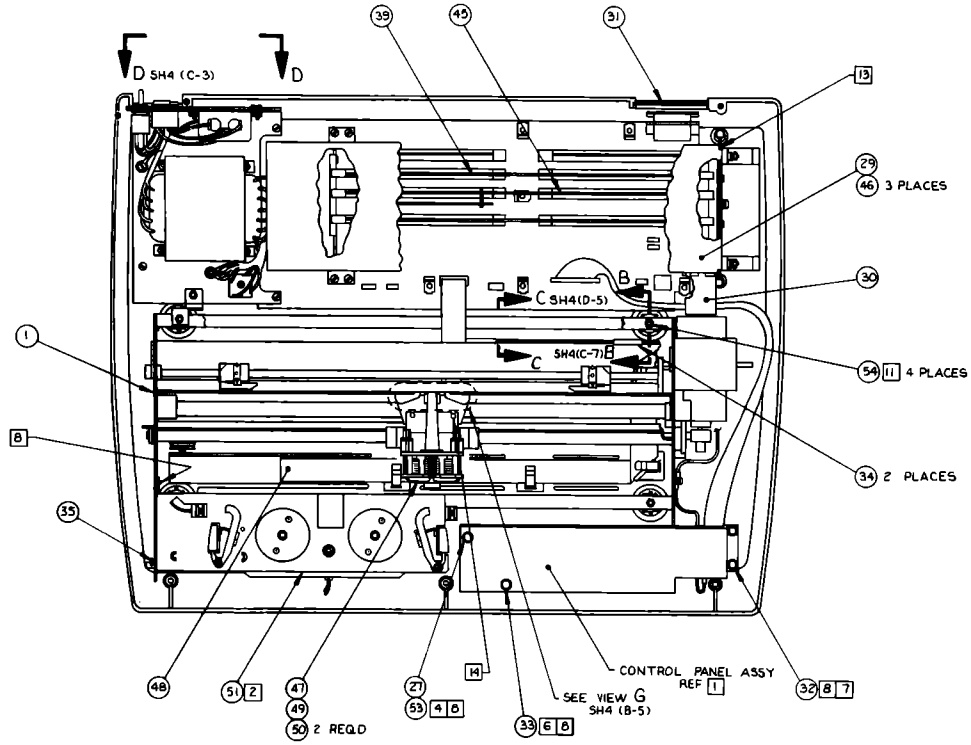
REV STATUS OF SHEETS	REV	A	*	A	*
	SH	1	2	3	4

300

2 FILMED | LM, CC

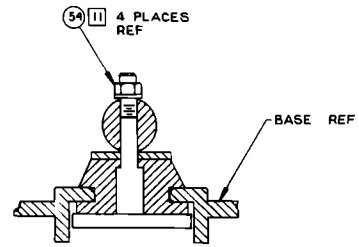
EIS


DWG NO 2230487
SH 2
A
F SH4 (B-3)
F
41 9 5 PLACES
DOOR ASSY REF 1
BASE REF
DOOR LATCH REF 5
A SH3 (A-5)
E
44 10
6.4 MAX
E SH4 (B-4)
5 26 2 PLACES
TEXAS INSTRUMENTS
D06668
2230487
SCALE NONE

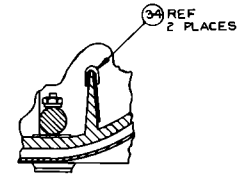


VIEW A-A
SH2 (A-7)
COVER AND DOOR OMITTED FOR CLARITY

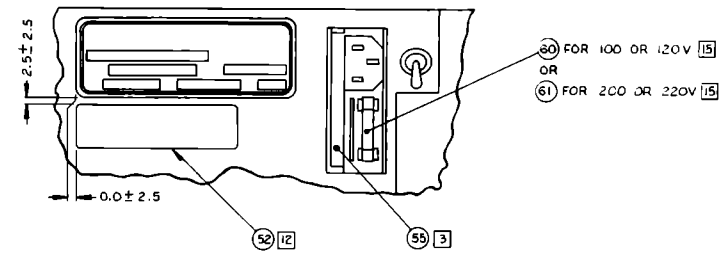
TEXAS INSTRUMENTS	DRWN DATE	D06668	2230487	A
	ISSUE DATE	SCALE NONE		SHEET 3



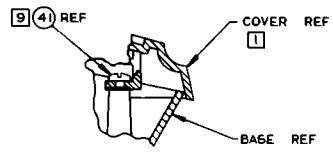
SECTION B-B
ROTATED 90° CW
SH3 (C-4)



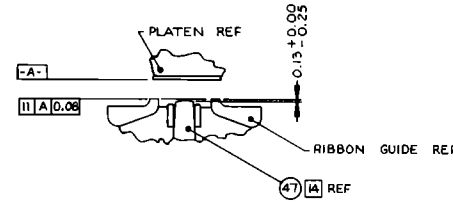
SECTION C-C
ROTATED 90° CCW
SH 3 (C-5)



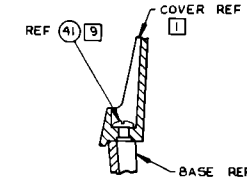
VIEW D-D
ROTATED 180°
SH 3 (C-7)



SECTION E-E
ROTATED 90° CCW
SH 2 (B-5)



VIEW G
SH 3 (B-5)



SECTION F-F
ROTATED 90° CCW
SH 3 (C-4)

TEXAS INSTRUMENTS	DRAWN / DATE	SIZE / PART NO D06668	DRAWING NO 2230487	REV
	CHECK / DATE	SCALE NONE	SHEET 1	

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
2230487-0001	A	NON-FUNCTIONAL ASSY,EXP,10 CPI-810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994291-0008	MECH ASSY,EXP,10CPI NO P/H 1225-8291-000	EA
0001A			*REPLACES 994291-1,-3,-5,-6 1225-8291-000	
0002	00001.000	2230487-1000	NON-FUNCTIONAL ASSY,COMMON PARTS-810 1225-0487-000	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
2230487-0002	A	NON-FUNCTIONAL ASSY,EXP,10/16.5 CPI-810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994291-0009	MECH ASSY,EXP,10 & 16.5 CPI NO P/H 1225-9291-000	EA
0001A			*REPLACES 994291-2 & -4 1225-9291-000	
0002	00001.000	2230487-1000	NON-FUNCTIONAL ASSY,COMMON PARTS-810 1225-0487-000	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
2230487-1000	A	NON-FUNCTIONAL ASSY,COMMON PARTS-810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0026	00002.000	0994314-0001	SPRING,EXTENSION-LATCH	EA
0027	00001.000	2206610-0001	SPACER,CONTROL PANEL 1255-0053-015	EA
0028	REF	0994170-9901	EQUIP SPEC,MULTICOPY R/C FORMS PRINTER	EA
0029	00001.000	0994340-0001	COVER,ELECTRONICS 1680-0340-057	EA
0030	00001.000	0994312-0001	DUCT, AIR - 810 1255-0032-028	EA
0031	00001.000	0994333-0001	AUXILIARY INPUT PANEL,BLANK 1680-0333-028	EA
0032	00002.000	0972969-0008	SCREW,6-20 X 3/4 HEX WASHER HEAD	EA
0033	00001.000	2211943-0034	SCREW,THD-FORMING,PAN HD,PHILLIPS,80 SEE TI- DRAWING	EA
0034	00002.000	0983903-0002	CLIP,CABLE 1680-1903-038	EA
0035	00001.000	2210490-0002	CLIP,HITCH PIN,STEEL SEE TI- DWG	EA
0036	REF	0997003-9901	TEST PROCEDURE SYSTEM TEST 810 PRINTER	EA
0037	00000.000	2362819-0001	.4 PEDESTAL PACK ASSY-810 0000-0000-000	EA
0038	REF	0994475-9901	INSTRUCTIONS, MC 810 PACKAGING PREP	EA
0039	00001.000	0994244-0002	PROCESSOR, 810 1225-2244-999	EA
0040	00001.000	0994476-0001	WINDOW, 810 PRINTER 1255-0038-034	EA
0040A			*TO BE USED WITH REV B OR 1255-0038-034	
0040B			*LATER PAPER TRACTOR 1255-0038-034	
0041	00005.000	0972988-0029	SCREW 6-32 X .438 PAN HEAD CRES	EA

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
2230487-1000	A	NON-FUNCTIONAL ASSY,COMMON PARTS-810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0042	00000.000	2211943-0024	SCREW,THD-FORMING PAN HD PHILLIPS,80 SEE TI- DRAWING	EA
0042A			*REWORK FOR ITEM 33 SEE TI- DRAWING	
0043	00000.000	2211943-0020	SCREW,THD-FORMING PAN HD PHILLIPS,80 SEE TI- DRAWING	EA
0043A			*REWORK FOR ITEM 32 SEE TI- DRAWING	
0044	00001.000	0994351-0001	LABEL,CONFIGURATION 1225-1351-000	EA
0045	00001.000	0994528-0001	810 DRIVER 1225-1528-999	EA
0046	00003.000	2210084-0014	SEMS,PNH, SLTD, EXT TOOTH 32UNC-2A,.375L	EA
0047	00001.000	2217374-0002	PRINTHEAD ASSY,UNIVERSAL -810 1225-2374-000	EA
0047A			*REPLACES 994258-1 & -2 1225-2374-000	
0048	00001.000	0994349-0001	CABLE ASSY, FLEX 1225-1349-116	EA
0049	00001.000	0983903-0002	CLIP,CABLE 1680-1903-038	EA
0050	00002.000	0994199-0001	NUT,PRINTHEAD	EA
0051	00001.000	2208274-0001	RIBBON DRIVE ASSEMBLY-810 1225-1274-999	EA
0052	00001.000	2220048-0003	LABEL, CLASS A PERPHERAL 20 X 75M SEE TI- DRAWING	EA
0053	00001.000	2211942-0025	SCREW,PLASTITE, PAN HD,PHILLIPS SEE TI- DRAWING	EA
0054	00004.000	2210006-0004	HEX 10-32 NUT & LOCK WASHER ASSY 1650- -000	EA
0055	00000.000	2360042-0001	LABEL,FUSE WARNING 1225-0000-000	EA
0055A			*TO BE USED ONLY ON MACHINE 1225-0000-000	
0055B			*CONFIGURED FOR VOLTAGES 1225-0000-000	
0055C			*OTHER THAN 120V 1225-0000-000	
0056	00000.000	2211942-0034	SCREW,PLASTITE,PHD,CROSS-RECESSED,NO 8 SEE TI- DRAWING	EA
0056A			*REWORK FOR ITEM 53 SEE TI- DRAWING	
0058	00000.000	0994244-0001	PROCESSOR, 810; REPLACED BY -0002 1282-0000-000	EA
0058A			*USED ON EARLIER UNITS 1282-0000-000	
0059	00000.000	0994322-0001	DRIVER,PRINTHEAD AND MOTOR 1225-1322-000	EA
0059A			*ALTERNATE FOR ITEM 45 1225-1322-000	
0060	00000.000	0416434-0503	FUSE 5.0 A 250V 3AG LIT - 312005	EA
0061	00000.000	0416434-0004	FUSE 2.5 AMP 250 VOLTS	EA
0061A			*ALTERNATE FOR ITEM 60	
9999	00000.000	0239999-9999	COST, SHRINKAGE	EA

DWG NO 2230497 REV 1

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	CN 498697 (C) D Howard	4/28/83	

FORMAL RELEASE

NOTES: UNLESS OTHERWISE SPECIFIED.

1. STANDARD FACTORY CONFIGURATION
2. JUMPER WIRE IS INSTALLED FROM E31 TO E32 ON -0002 ASSEMBLY. JUMPER WIRE IS INSTALLED FROM E33 TO E34 ON -0001 AND -0003 ASSEMBLIES.
3. CAUTION! STATIC SENSITIVE. ELECTROSTATIC DISCHARGE CAN DAMAGE THIS COMPONENT. PRODUCT MUST BE SHIPPED IN ANTISTATIC PACKAGING. INDIVIDUAL DEVICES SHOULD BE HANDLED ONLY AT STATIC-FREE WORK STATIONS.
4. ALTERNATIVE TO NOTE 5. MARK APPROPRIATE PWB DASH NO., REVISION LETTER, AND RUN SERIAL NO. APPROXIMATELY WHERE SHOWN PER PROCESS 1
5. PLACE SERIAL LABEL (ITEM 41) APPROXIMATELY WHERE SHOWN
6. SEE JUMPER CONFIGURATION CHART FOR JUMPER PLUG (ITEM 21) LOCATIONS
7. UPDATES AND CHANGES TO ASSEMBLY MARKING ARE MADE PER PROCESS 1
8. SOLDER MASK PLATED TOOLING HOLES BEFORE PROCESS 2
9. DO NOT IMMERSE THIS ASSEMBLY IN HALOGENATED CLEANERS

JUMPER CONFIGURATION TABLE			
JUMPER CONFIGURATIONS	2230497 -0001	2230497 -0002	2230497 -0003
TRANSMITTER CLOSED ON POWER DOWN [1]	N/A	N/A	E2-E3
TRANSMITTER OPEN ON POWER DOWN	N/A	N/A	E1-E2
TRANSMITTER= TRANSMIT DATA	E4-E5	E4-E5	E4-E5
TRANSMITTER = READY/BUSY (REVERSE CHANNEL) [1]	E5-E6	E5-E6	E5-E6
TRANSMITTER = $\overline{\text{READY}}$ / $\overline{\text{BUSY}}$ (INVERT REVERSE CHANNEL)	E5-E35	E5-E35	E5-E35
LOOPBACK	E19-E20 E22-E23 E25-E26 E28-E29	E19-E20, E22-E23 E25-E26, E28-E29	E19-E20, E22-E23 E25-E26, E28-E29
NORMAL [1]	E20-E21 E23-E24 E26-E27 E29-E30	E20-E21, E23-E24 E26-E27, E29-E30	E20-E21, E23-E24 E26-E27, E29-E30
ACTIVE	E7-E8 E10-E11 E13-E14 E16-E17	N/A	E7-E8, E10-E11 E13-E14, E16-E17
PASSIVE [1]	E8-E9 E11-E12 E14-E15 E17-E18	N/A	E8-E9, E11-E12, E14-E15, E17-E18

CONVERSION CHART	
MM	IN
0.25	.010
0.5	.02
1.5	.06
1.9	.07
12.7	.50

PART NUMBER	DESCRIPTION
2230497-5503	SEQUENCE TAPE FOR -0003
2230497-5502	SEQUENCE TAPE FOR -0002
2230497-5501	SEQUENCE TAPE FOR -0001
2230497-0003	PWB ASSY, NO/NC TTY, 810
2230497-0002	PWB ASSY, RS422, 810
2230497-0001	PWB ASSY, 20MA TTY, 810

-3 QTY	-2 QTY	-1 QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	NOTES
3	SLDR	121-01	00			
2	SLDR	164-02	00			
1	MARK	814 -01	00	HGT 1.5, COLOR BLK (CAT4)		

PARTS LIST

REQ NO	ASSY	P-REC	NO	ADDITIONAL	NOTES
	PROCESS			CLASSIFICATION	

PROCESSES — FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 7214-87

REV LEVEL	ASSY	2230497	A
	PWB	2230488	C
BLOCK	GOLDEN	2230489	C

REV STATUS OF SHEETS: REV A A; SH 1 2

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN MILLIMETERS
- TOLERANCES: 2 PLACE DECIMALS ± 0.25; 1 PLACE DECIMALS ± 0.5; ANGLES ± 1°
- INTERPRET DRAWING PER ANSI Y14.5M-1982
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS ≤ .25 FIM
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSING
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE	
0.33 THRU 3.18	+0.10/-0.03
3.20 THRU 6.38	+0.13/-0.03
6.38 THRU 12.70	+0.18/-0.03
12.73 THRU 19.05	+0.20/-0.05
19.08 THRU 38.40	+0.25/-0.03
38.43 THRU 50.80	+0.30/-0.05

THIRD ANGLE PROJECTION

NEXT ASSY	USED ON
2230785	8754
2230790	8733

APPLICATION

DRAWN 4-22-83
CHK 4/28/83
ENGR 4-28-83
QA 4-28-83
MFG 4/29/83
PROJ 4/29/83

TEXAS INSTRUMENTS — SI-METRIC

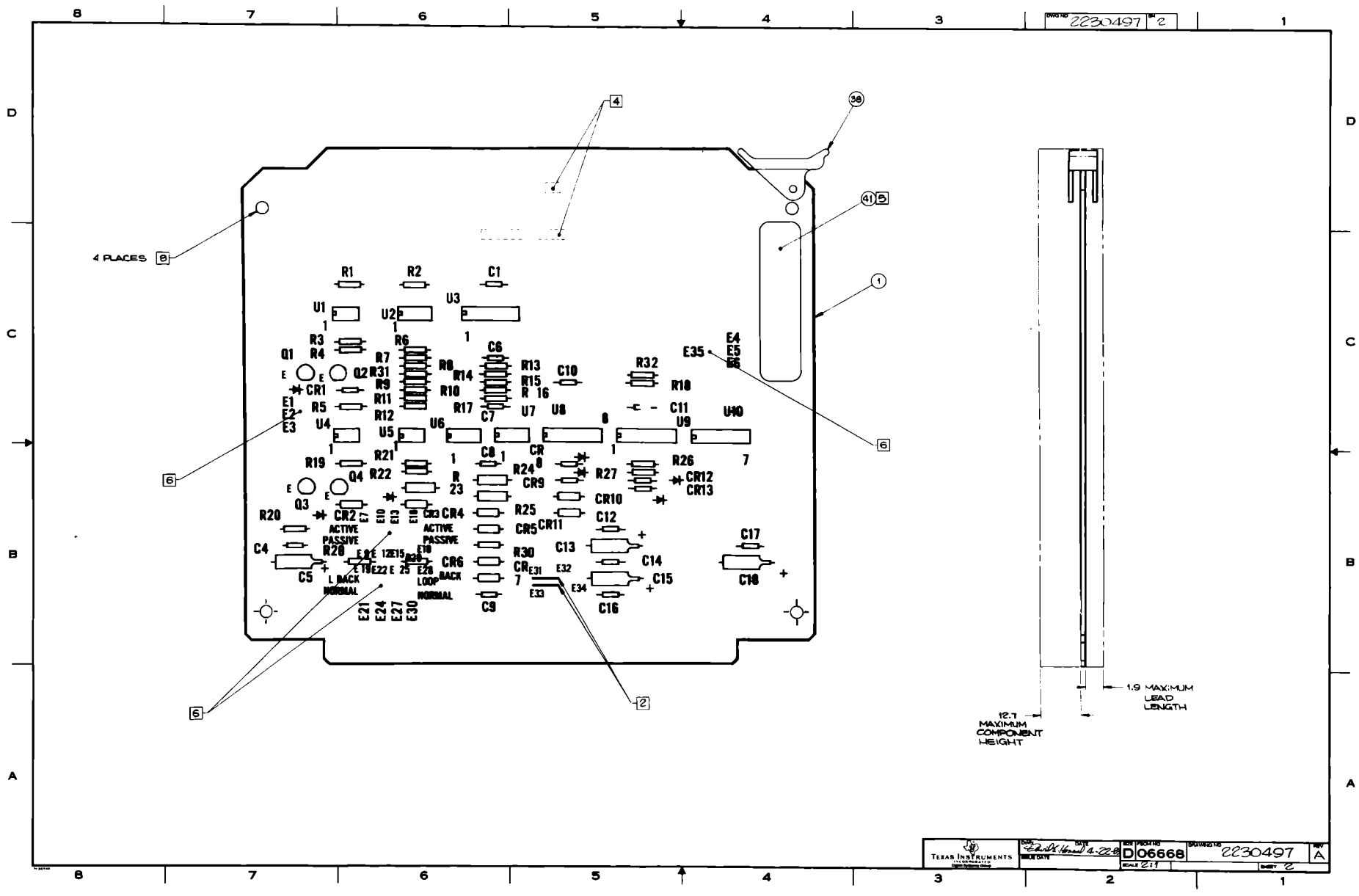
PWB ASSEMBLY, RS422/TTY-810

SIZE D | FSCM NO 06668 | DRAWING NO 2230497

SCALE 2/1 | SHEET 1 OF 2

320

2FILMED LM 1


4 PLACES
1.9 MAXIMUM LEAD LENGTH
12.7 MAXIMUM COMPONENT HEIGHT
TEXAS INSTRUMENTS
D06668
2230497
A

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
2230497-0001	A	PWB ASSY, 20MA TTY, 810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2230498-0001	PWB,SERIAL INTERFACE OPTION - 810	EA
0005	00001.000	0972625-0001	NETWORK OCI449 OPTICALLY COUPLED	EA
			TI -OCI449	
0005A			U4	
			TI -OCI449	
0006	00001.000	0971000-0004	IC TIL-117 OPTICALLY COUPLED ISOLATOR	EA
0006A			U5	
0009	00002.000	0972450-0002	NETWORK,SN75189AN/MC1489AL QUAD LINE RCR	EA
			SEE - TI DRAWING	
0009A			U9,U10	
			SEE - TI DRAWING	
0010	00001.000	0996015-0001	IC,QUAD LINE DRIVERS SN75188N	EA
			TI -SN75188N	
0010A			U8	
			TI -SN75188N	
0011	00002.000	2220095-0001	TRANSISTOR, NPN, GENERAL PURPOSE	EA
			SEE TI- DRAWING	
0011A			Q3,Q4	
			SEE TI- DRAWING	
0021	00009.000	0972487-0001	JUMPER PLUG,CONNECTOR BLACK	EA
			5935-0900-000	
0025	00001.000	0996709-0001	IC, LM393P DIFFERENTIAL COMPARATOR	EA
			001295-LM393P	
0025A			U2	
			001295-LM393P	
0026	00001.000	0972900-7403	NETWORK SN74LS03N	EA
0026A			U3	
0036	REF	2230499-0001	SCHEMATIC, INTERFACE RS422 / TTY - 810	EA
0038	00001.000	0413277-0005	EJECTOR,PCB,NON-LOCKING,YELLOW	EA
			SCA -S-200(YELLOW)	
0040	00028.000	0972456-0002	PIN,.025 SQUARE	EA
			5935-0800-000	
0040A			E4,E5,E6,E7,E8,E9,E10,E11	
			5935-0800-000	
0040B			E12,E13,E14,E15,E16,E17,E18	
			5935-0800-000	
0040C			E19,E20,E21,E22,E23,E24,E25	
			5935-0800-000	
0040D			E26,E27,E28,E29,E30,E35	
			5935-0800-000	
0041	00001.000	2363830-0002	LABEL,SYMBOLIZATION (51MM X 13MM)	EA
			1225- -000	
0101	00001.000	2230497-5501	SEQUENCE TAPE FOR -0001	EA
			1225-5197-005	

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
2230497-0002	A	PWB ASSY, RS422, 810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2230498-0001	PWB,SERIAL INTERFACE OPTION - 810	EA
0007	00001.000	2211890-0001	IC,9638N,DUAL DIFFERENTIAL LINE SEE TI- DRAWING	EA
0007A			U6 SEE TI- DRAWING	
0008	00001.000	2211889-0001	IC,9637N,DUAL DIFFERENTIAL LINE SEE TI- DRAWING	EA
0008A			U7 SEE TI- DRAWING	
0009	00002.000	0972450-0002	NETWORK,SN75189AN/MC1489AL QUAD LINE RCR SEE - TI DRAWING	EA
0009A			U9,U10 SEE - TI DRAWING	
0010	00001.000	0996015-0001	IC,QUAD LINE DRIVERS SN75188N TI -SN75188N	EA
0010A			U8 TI -SN75188N	
0021	00005.000	0972487-0001	JUMPER PLUG,CONNECTOR BLACK 5935-0900-000	EA
0026	00001.000	0972900-7403	NETWORK SN74LS03N	EA
0026A			U3	
0036	REF	2230499-0001	SCHEMATIC, INTERFACE RS422 / TTY - 810	EA
0038	00001.000	0413277-0005	EJECTOR,PCB,NON-LOCKING,YELLOW SCA -S-200(YELLOW)	EA
0040	00016.000	0972456-0002	PIN,.025 SQUARE 5935-0800-000	EA
0040A			E4,E5,E6,E19,E20,E21,E22 5935-0800-000	
0040B			E23,E24,E25,E26,E27,E28,E29 5935-0800-000	
0040C			E30,E35 5935-0800-000	
0041	00001.000	2363830-0002	LABEL,SYMBOLIZATION (51MM X 13MM) 1225- -000	EA
0101	00001.000	2230497-5502	SEQUENCE TAPE FOR -0002 1225-5297-995	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
2230497-0003	A	PWB ASSY, NO/NC TTY, 810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2230498-0001	PWB,SERIAL INTERFACE OPTION - 810	EA
0005	00001.000	0972625-0001	NETWORK OCI449 OPTICALLY COUPLED TI -OCI449	EA
0005A			U4 TI -OCI449	
0006	00002.000	0971600-0004	IC TIL-117 OPTICALLY COUPLED ISOLATOR	EA
0006A			U1,U5	

List of Materials

05/12/84

PART NUMBER REV DESCRIPTION.....
2230497-0003 A PWB ASSY, NC/NC TTY, 810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0009	00002.000	0972450-0002	NETWORK,SN75189AN/MC1489AL QUAD LINE RCR	EA
			SEE - TI DRAWING	
0009A			U9,U10	
			SEE - TI DRAWING	
0010	00001.000	0996015-0001	IC,QUAD LINE DRIVERS SN75188N	EA
			TI -SN75188N	
0010A			U8	
			TI -SN75188N	
0011	00003.000	2220095-0001	TRANSISTOR, NPN, GENERAL PURPOSE	EA
			SEE TI- DRAWING	
0011A			Q1,Q3,Q4	
			SEE TI- DRAWING	
0012	00001.000	2211416-0002	TRANSISTOR,A8T2907A, PNP	EA
			SEE TI- DRAWING	
0012A			Q2	
			SEE TI- DRAWING	
0021	00010.000	0972487-0001	JUMPER PLUG,CONNECTOR BLACK	EA
			5935-0900-000	
0025	00001.000	0996709-0001	IC, LM393P DIFFERENTIAL COMPARATOR	EA
			001295-LM393P	
0025A			U2	
			001295-LM393P	
0026	00001.000	0972900-7403	NETWORK SN74LS03N	EA
0026A			U3	
0036	REF	2230499-0001	SCHEMATIC, INTERFACE RS422 / TTY - 810	EA
0038	00001.000	0413277-0005	EJECTOR,PCB,NON-LOCKING,YELLOW	EA
			SCA -S-200(YELLOW)	
0040	00031.000	0972456-0002	PIN,.025 SQUARE	EA
			5935-0800-000	
0040A			E1,E2,E3,E4,E5,E6,E7,E8,E9	
			5935-0800-000	
0040B			E10,E11,E12,E13,E14,E15,E16	
			5935-0800-000	
0040C			E17,E18,E19,E20,E21,E22,E23	
			5935-0800-000	
0040D			E24,E25,E26,E27,E28,E29,E30	
			5935-0800-000	
0040E			E35	
			5935-0800-000	
0041	00001.000	2363830-0002	LABEL,SYMBOLIZATION (51MM X 13MM)	EA
			1225- -000	
0101	00001.000	2230497-5503	SEQUENCE TAPE FOR -0003	EA
			0000-0000-000	

05/12/84

PART NUMBER REV DESCRIPTION.....
2230497-5501 A SEQUENCE TAPE FOR -0001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0004	00001.000	0972947-0034	RES FIX 51 OHM 5 % .5 W CARBON FILM	EA
			ROH - R-50	
0004A			R23	
			ROH - R-50	
0013	00002.000	0972947-0052	RES FIX 300 OHM 5% .5 W CARBON FILM	EA
			ROH - R-50	
0013A			R24,R25	
			ROH - R-50	

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
2230497-5501	A	SEQUENCE TAPE FOR -0001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0014	00005.000	0972946-0041	RES FIX 100 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0014A			R6,R7,R20,R28,R29	
			ROH - R-25	
0015	00001.000	0972946-0046	RES FIX 160 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0015A			R22	
			ROH - R-25	
0016	00001.000	0972946-0060	RES FIX 620 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0016A			R10	
			ROH - R-25	
0017	00002.000	0972946-0045	RES FIX 150 OHM 5 % .25 W CARBON FILM	EA
			SEE TI- DRAWING	
0017A			R16,R19	
			SEE TI- DRAWING	
0018	00001.000	0972946-0065	RES FIX 1.0K OHM 5% .25 W CARBON FILM	EA
			ROH - R-25	
0018A			R12	
			ROH - R-25	
0019	00002.000	0972946-0069	RES FIX 1.5K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0019A			R8,R32	
			ROH - R-25	
0020	00001.000	0972946-0076	RES FIX 3.0K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0020A			R9	
			ROH - R-25	
0022	00006.000	0972946-0081	RES FIX 4.7K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0022A			R13,R14,R15,R18,R26,R27	
			ROH - R-25	
0023	00002.000	0972946-0137	RES FIX 1.0M OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0023A			R5,R21	
			ROH - R-25	
0024	00001.000	0972946-0109	RES FIX 68 K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0024A			R31	
			ROH - R-25	
0029	00004.000	2211205-0012	CAP,FXD,1 UF,50 VDC,ELECTROLYTIC	EA
			SEE TI- DRAWING	
0029A			C5,C13,C15,C18	
			SEE TI- DRAWING	
0030	00012.000	0972763-0013	CAP,FIXED .010UF 50 VOLTS	EA
			004222-MC105E103Z	
0030A			C1,C4,C6,C7,C8,C9,C10,C11,	
			004222-MC105E103Z	
0030B			C12,C14,C16,C17	
			004222-MC105E103Z	
0031	00001.000	0972934-0006	DIODE,1N751A 5.1 V 5% SIL VOLT REG	EA
			QPL - 1N751A	
0031A			CR3	
			QPL - 1N751A	
0032	00005.000	0972932-0001	DIODE 1N914B	EA
			SEE TI- DRAWING	
0032A			CR1,CR8,CR9,CR12,CR13	
			SEE TI- DRAWING	

List of Materials

05/12/84

PART NUMBER REV DESCRIPTION.....
2230497-5501 A SEQUENCE TAPE FOR -0001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0033	00001.000	0539468-0003	DIODE,1N4003 1AMP 200PIV RECTIFIER	EA
			TI - IN4003	
0033A			CR2	
			TI - IN4003	
0035	00001.000	0972946-0075	RES FIX 2.7K OHM 5 % .25 W CARBON FILM	EA
			RCH - R-25	
0035A			R11	
			ROH - R-25	
0037	00000.067	0411400-0022	WIRE 22AWG ELETRC-TIN-PLATED,COPPER	FT
			- - -000	
0037A			E33,E34	
			- - -000	

05/12/84

PART NUMBER REV DESCRIPTION.....
2230497-5502 A SEQUENCE TAPE FOR -0002

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0003	00001.000	0972946-0082	RES FIX 5.1K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0003A			R17	
			ROH - R-25	
0014	00002.000	0972946-0041	RES FIX 100 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0014A			R28,R29	
			ROH - R-25	
0019	00001.000	0972946-0069	RES FIX 1.5K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0019A			R32	
			ROH - R-25	
0022	00007.000	0972946-0081	RES FIX 4.7K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0022A			R13,R14,R15,R18,R26,R27,R30	
			ROH - R-25	
0029	00004.000	2211205-0012	CAP,FXD,1 UF,50 VDC,ELECTRCLYTIC	EA
			SEE TI- DRAWING	
0029A			C5,C13,C15,C18	
			SEE TI- DRAWING	
0030	00012.000	0972763-0013	CAP,FIXED .010UF 50 VOLTS	EA
			004222-MC105E103Z	
0030A			C1,C4,C6,C7,C8,C9,C10,C11	
			004222-MC105E103Z	
0030B			C12,C14,C16,C17	
			004222-MC105E103Z	
0032	00002.000	0972932-0001	DIODE 1N9148	EA
			SEE TI- DRAWING	
0032A			CR12,CR13	
			SEE TI- DRAWING	
0036	00006.000	2220964-0001	DIODE,TRANSIENT SUPRESSOR,BI-DIRECTIONAL	EA
			SEE TI- DRAWING	
0036A			CR4,CR5,CR6,CR7,CR10,CR11	
			SEE TI- DRAWING	
0037	00000.067	0411400-0022	WIRE 22AWG ELETRO-TIN-PLATED,COPPER	FT
			- - -000	
0037A			E31,E32	
			- - -000	

List of Materials

05/12/84

PART NUMBER REV DESCRIPTION.....
2230497-5503 A SEQUENCE TAPE FOR -0003

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0004	00001.000	0972947-0034	RES FIX 51 OHM 5 % .5 W CARBON FILM	EA
			ROH - R-50	
0004A			R23	
			ROH - R-50	
0013	00002.000	0972947-0052	RES FIX 300 OHM 5% .5 W CARBON FILM	EA
			ROH - R-50	
0013A			R24,R25	
			ROH - R-50	
0014	00005.000	0972946-0041	RES FIX 100 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0014A			R6,R7,R20,R28,R29	
			ROH - R-25	
0015	00001.000	0972946-0046	RES FIX 160 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0015A			R22	
			ROH - R-25	
0016	00001.000	0972946-0060	RES FIX 620 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0016A			R10	
			ROH - R-25	
0017	00003.000	0972946-0045	RES FIX 150 OHM 5 % .25 W CARBON FILM	EA
			SEE TI- DRAWING	
0017A			R1,R16,R19	
			SEE TI- DRAWING	
0018	00001.000	0972946-0065	RES FIX 1.0K OHM 5% .25 W CARBON FILM	EA
			ROH - R-25	
0018A			R12	
			ROH - R-25	
0019	00002.000	0972946-0069	RES FIX 1.5K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0019A			R8,R32	
			ROH - R-25	
0020	00001.000	0972946-0076	RES FIX 3.0K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0020A			R9	
			ROH - R-25	
0022	00006.000	0972946-0081	RES FIX 4.7K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0022A			R13,R14,R15,R18,R26,R27	
			ROH - R-25	
0023	00004.000	0972946-0137	RES FIX 1.0M OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0023A			R2,R3,R5,R21	
			ROH - R-25	
0024	00001.000	0972946-0109	RES FIX 68 K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0024A			R31	
			ROH - R-25	
0029	00004.000	2211205-0012	CAP,FXD,1 UF,50 VDC,ELECTROLYTIC	EA
			SEE TI- DRAWING	
0029A			C5,C13,C15,C18	
			SEE TI- DRAWING	
0030	00012.000	0972763-0013	CAP,FIXED .010UF 50 VOLTS	EA
			004222-MC105E103Z	
0030A			C1,C4,C6,C7,C8,C9,C10,C11	
			004222-MC105E103Z	
0030B			C12,C14,C16,C17	
			004222-MC105E103Z	
0031	00001.000	0972934-0006	DIODE,1N751A 5.1 V 5% SIL VOLT REG	EA
			QPL - 1N751A	

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
2230497-5503	A	SEQUENCE TAPE FOR -0003

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0031A			CR3	
			QPL - 1N751A	
0032	00005.000	0972932-0001	DIODE 1N914B	EA
			SEE TI- DRAWING	
0032A			CR1,CR8,CR9,CR12,CR13	
			SEE TI- DRAWING	
0033	00001.000	0539468-0003	DIODE,1N4003 LAMP 200PIV RECTIFIER	EA
			TI - 1N4003	
0033A			CR2	
			TI - 1N4003	
0034	00001.000	0972946-0115	RES FIX 120K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0034A			R4	
			ROH - R-25	
0035	00001.000	0972946-0075	RES FIX 2.7K OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0035A			R11	
			ROH - R-25	
0037	00000.067	0411400-0022	WIRE 22AWG ELETRO-TIN-PLATED,COPPER	FT
			- - -000	
0037A			E33,E34	
			- - -000	

NOTES: UNLESS OTHERWISE SPECIFIED:

[7] MARK PER ITEM 13 LINE FOUR TEXT ←-- J19 P15 --→ LABEL TO BE INSTALLED IN APPROXIMATE CENTER OF CABLE

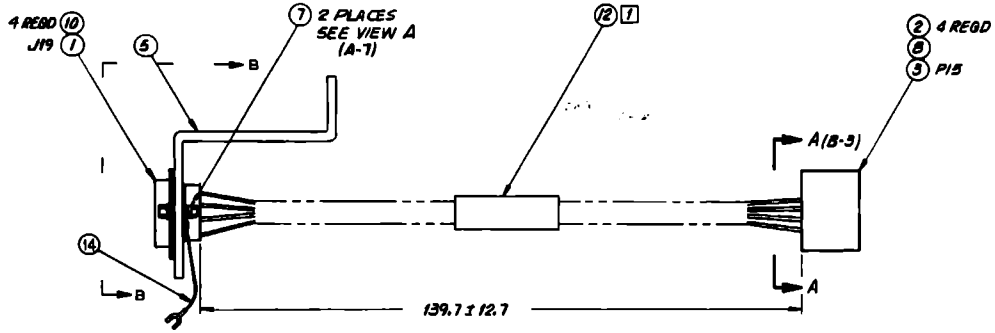
WIRE NO.	DESCRIPTION	SIGNATURE	START STATION	FINISH STATION	REMARKS	ITEM NO.
1	22 AWG RED	TTYRCVD/R	P15 - 4	J19 - 2		6
2	22 AWG BLK	TTYXMTD/R	P15 - 2	J19 - 4		6
3	22 AWG WHT	TTYXMTD	P15 - 1	J19 - 5		6
4	22 AWG GRN	TTYRCVD	P15 - 5	J19 - 8		6

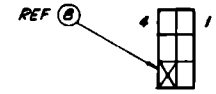
-0001 WIRE LIST

WIRE NO.	DESCRIPTION	SIGNATURE	START STATION	FINISH STATION	REMARKS	ITEM NO.
1	22 AWG RED	RCVD/R	P15-4	J19-18		6
2	22 AWG BLK	XMTD/R	P15-2	J19-20		6
3	22 AWG WHT	XMTD	P15-1	J19-19		6
4	22 AWG GRN	RCVD	P15-5	J19-17		6
5	22 AWG ORN	GND	P15-3	J19-7		6

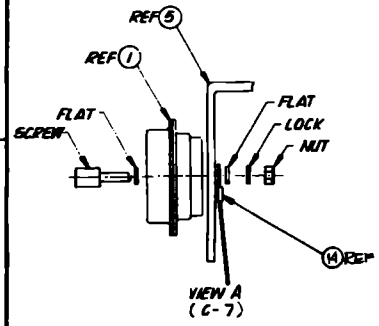
-0002 WIRE LIST

CONVERSION CHART	
MM	INCHES
0.25	.010
0.5	.02
139.7 ± 12.7	5.50 ± 0.50

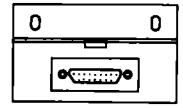




VIEW A-A
(C-5)



VIEW A
(C-7)



VIEW B - B

PART NUMBER	DESCRIPTION
2230787-0002	BULK CABLE MATERIAL FOR 2230787-0002
2230787-0001	BULK CABLE MATERIAL FOR 2230787-0001
2230787-0002	CABLE ASSY, RS422 -810
2230787-0001	CABLE ASSY, TTY M/C AUTO, 810

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	LM UPDATE FORMAL RELEASE		
B	CN506213 (D) D.Howard (1) REV PER EVT ELIM CHGS	3/20/89	
C	CN 497729 (C) (1)-2 WIRE UST- WIRE 5 WAS 22 AWG (2) ADDED ITEM 6 TO ITEM NO BLOCK (3) LM QTY ITEM 2 → 10 ON 5002 WAS 4	6/13/88	
D	CN515045 (D) D.Howard (1)-1 & 2 LMS, IT 7 QTY FROM 2 TO 1 CHNGD TO "CABLE ASSY, TTY M/C AUTO, 810"	8/31/88	
E	CN507634 (C) D.Howard (1)-1 & 2 LM, ADDED IT 14 (2) REV PICTORIALS TO REFLECT IT. 4	8/31/88	
F	CN513958 (D) REX KARL	2-20-89	

PROCESS CLASSIFICATION	REV STATUS OF SHEETS

2230775	8739
NEXT ASSY	USED ON
APPLICATION	

TEXAS INSTRUMENTS — SI-METRIC

CABLE ASSEMBLY, INTERFACE OPTION - 810

D06668 — 2230787

SCALE NONE — SHEET

2 FILMED | LM DB

List of Materials

01/28/84

PART NUMBER	REV	DESCRIPTION
2230787-0002	F	CABLE ASSY, RS422 - 810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0539409-0006	CONNECTOR,RCPT 25 PINS AMP -205207-1	EA
0003	00001.000	0996566-0003	HOUSING, CONN.-SELF-RET. CON., 6 POS. 87133--7	EA
0005	00001.000	2360076-0003	BRACKET,AUXILIARY INPUT,TRIAD 1680-3076-002	EA
0007	00001.000	0808129-0001	CONNECTOR,ELECT SCREW-LOCK ASSY FEMALE 081349-M24308/26-1	EA
0009	00001.000	2230787-5002	BULK CABLE MATERIAL FOR 2230787-0002 1225-0087-008	EA
0014	00001.000	2222694-0001	LEAD,ELECTRICAL GROUND 1225-1694-002	EA

01/28/84

PART NUMBER	REV	DESCRIPTION
2230787-5002	F	BULK CABLE MATERIAL FOR 2230787-0002

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0002	00005.000	0972104-0001	CONTACT ELEC-LOCKING,WIRE-TO.025 SQ POST AMP - 87124-1	EA
0006	00000.500	0972444-0012	CABLE,5COND,22 AWG,300 WV,PVC INSULATED 054387-2504-224 UL	FT
0008	00001.000	0996497-0001	KEYING PLUG CONNECTOR 086286--1	EA
0010	00005.000	0539430-0004	CONTACT,SOCKET 24-20AWG .068 INSUL DIA AMP -205201-3 ST	EA
0012	00001.000	2210317-0001	LABEL,BLANK,CABLE MARKER 085480-SLPF-19319-4	EA
0013	REF	2265070-0001	SPEC, PRE-PRINTED CABLE MARKER	EA

DWG NO 2230789 SH

APPLICATION	
NEXT ASSY	USED ON
938152	8733
2222602	8754

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	CN515753(C) D. Holloway 6-5-84	6-6-84	JD Dodson

NOTES: UNLESS OTHERWISE SPECIFIED

1. REMOVE RESISTOR PACK U1 FROM MOTHER BOARD (0994531) WHEN THE 2230497 ASSEMBLY IS INSTALLED.(810 ONLY).
2. IF IRC OPTION (E8-E7) ON PROCESSOR BOARD (0994244), THEN TRANSMITTER (ON RS422) READY / BUSY = E5 - E35 AND TRANSMITTER $\overline{\text{READY}}$ / $\overline{\text{BUSY}}$ = E5 - E6(810 ONLY).

[3] INSTALL GROUND WIRE FROM RS422 - 810 CABLE ASSEMBLY, APPROXIMATELY WHERE SHOWN

4. REMOVE RESISTOR PACK U1 FROM MOTHER BOARD (2222614) WHEN THE 2230497 ASSEMBLY IS INSTALLED. (880 ONLY)
5. REMOVE JUMPERS F-G, E-D FROM MOTHER BOARD (2222614) AND INSTALL JUMPERS E-F, C-D TO MOTHER BOARD (2222614) WHEN THE 2230497 ASSEMBLY IS INSTALLED (880 ONLY).

PART NUMBER	DESCRIPTION
2230789-0002	I/F OPTION KIT, RS422-880
2230789-8001	I/F OPTION KIT, RS422-810 (FIELD INSTALL)
2230789-0001	INTERFACE OPTION KIT, RS422 - 810

REV																											
SHEET																											
REV STATUS OF SHEETS	REV	E	E	E																							
	SHEET	1	2	3																							

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN MILLIMETERS
- TOLERANCES: ANGLE ±1°, 1 PLACE DECIMALS ±0.5, 2 PLACE DECIMALS ±0.25
- PARENTHETICAL INFO FOR REF ONLY

THIRD ANGLE PROJECTION

		DATE
DWN	JD DODSON	2/16/83
CHK	JD DODSON	2/16/83
ENGR	Steven Smith	5/10
APVD ENGR	George Holodak	5/10
QA	Ellen Hebert	5/9/83
APVD MFG		
RLSE	D Dodson	5/9/83

TEXAS INSTRUMENTS INCORPORATED
Digital Systems Group

SI-METRIC

INTERFACE OPTION KIT, RS422 - 810 /880

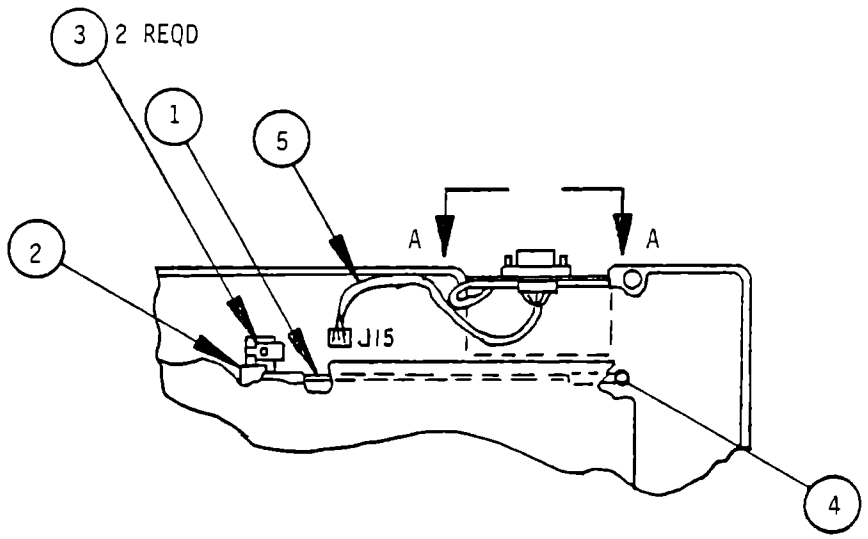
SIZE	FSCM NO	DRAWING NO
A	06668	2230789

SCALE NONE SHEET 1 OF 3

TI-28739

300 PRINTED LM

E I S



RS422 INTERFACE KIT
INSTALLATION
FOR 810

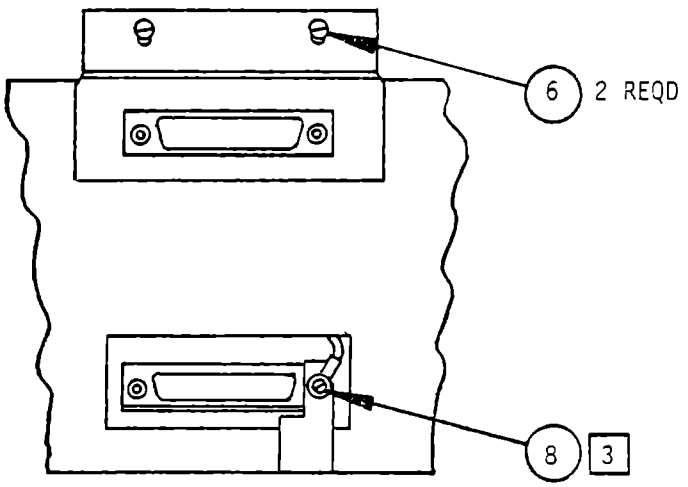
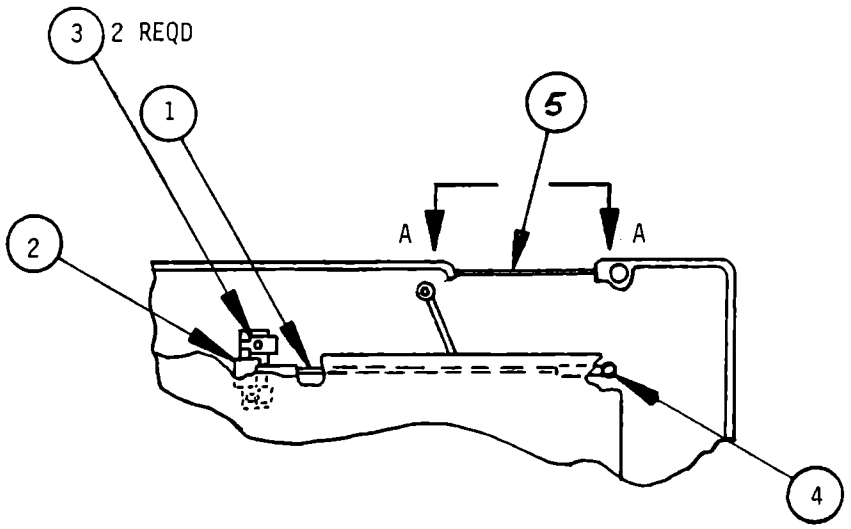


FIGURE 1
(-0001 ONLY)

VIEW A-A
(ROTATED 180 CW)
GROUND WIRE INSTALLATION

	TEXAS INSTRUMENTS INCORPORATED Digital Systems Group	SIZE A	2230789 SHEET 2	REV E



RS422 INTERFACE KIT
INSTALLATION
FOR 880

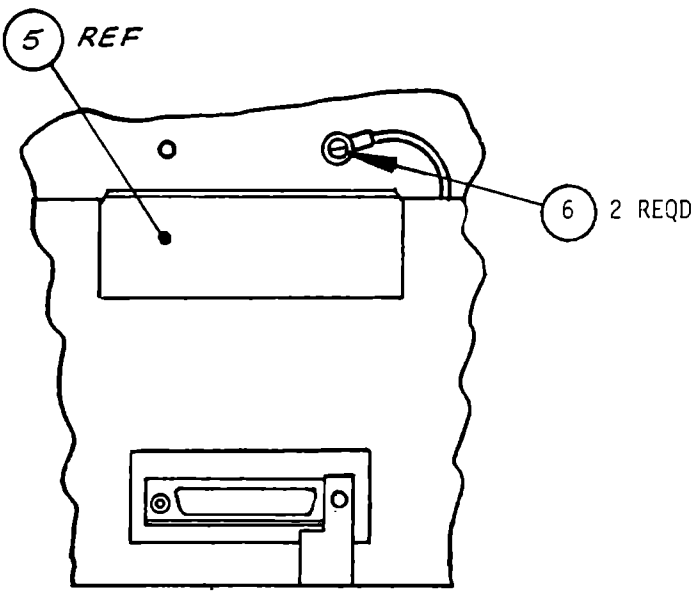


FIGURE 2
(-0002 ONLY)

VIEW A-A
(ROTATED 180 CW)
GROUND WIRE INSTALLATION

	TEXAS INSTRUMENTS INCORPORATED Digital Systems Group	SIZE A	2230789 SHEET 3	REV E

TI-28740

07/14/84

PART NUMBER REV DESCRIPTION.....
2230789-0001 E INTERFACE OPTION KIT, RS422 - 810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	2230497-0002	PWB ASSY, RS422, 810 1225-2497-016	EA
0002	00001.000	0994294-0001	CARD GUIDE,CENTER 1255-0028-015	EA
0003	00002.000	0996225-0001	FASTENER,PUSHNUT,REMOVABLE .185/.190 DIA PAL - PZ001935	EA
0004	AR	0231792-0004	COLOR DOT,YELLOW.250 DIA. 085480-0025 YELLOW	SH
0005	00001.000	2230787-0002	CABLE ASSY, RS422 - 810 1225-2787-008	EA
0006	00002.000	2210084-0014	SEMS,PNH, SLTD, EXT TOOTH 32UNC-2A,.375L	EA
0007	00000.000	2230792-0001	MNL,INSTALLATION,APPLICATION 810 PRINTER 1225-0792-000	EA
0008	00001.000	2210084-0002	SEMS SCREW, 4-40X1/4 EXT. TOOTH 1221-2134-000	EA
0009	00000.000	0972988-0013	SCREW 4-40 X .250 PAN HEAD CRES	EA
0009A			*ALTERNATE FOR ITEM 8	
0010	00000.000	0411101-0057	LOCKWASHER # 4 EXTERNAL TOOTH CRES QPL - MS35335-57	EA
0010A			*TO BE USED WITH ITEM 9 QPL - MS35335-57	

07/14/84

PART NUMBER REV DESCRIPTION.....
2230789-8001 E I/F OPTION KIT,RS422-810 (FIELD INSTALL)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	2230789-0001	INTERFACE OPTION KIT, RS422 - 810 1225-0000-000	EA
0002	00001.000	2230792-0001	MNL,INSTALLATION,APPLICATION 810 PRINTER 1225-0792-000	EA
0003	00001.000	0994351-0001	LABEL,CONFIGURATION 1225-1351-000	EA
0004	00001.000	2222636-0001	LABEL,CONFIGURATION	EA
0005	00001.000	2222694-0001	LEAD,ELECTRICAL GROUND 1225-1694-004	EA
0006	00001.000	0960967-0004	LEAD ELECTRICAL 1225-4967-013	EA

DWG NO 2230790 SH

APPLICATION	
NEXT ASSY	USED ON
	8733
2222602	8754

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	CN498675(D) D. MOSELEY	5/9/83	JD DODSON
	FORMAL RELEASE		
B	CN515752(C) D. HOLLOWAY 6/5/84	6-11-84	R DOLGENER

NOTES: UNLESS OTHERWISE SPECIFIED

1. REMOVE RESISTOR PACK U1 FROM MOTHER BOARD (994531) WHEN THE 2230497 ASSEMBLY IS INSTALLED. (810 ONLY)
2. IF IRC OPTION (E8 - E7) IS ON PROCESSOR (994244), THEN TRANSMITTER READY/BUSY = E5 - E35 (ON TTY) AND TRANSMITTER $\overline{\text{READY/BUSY}}$ = E5 - E6 (ON TTY). (810 ONLY)
3. REMOVE RESISTOR PACK U1 FROM MOTHER BOARD (2222614) WHEN THE 2230497 ASSEMBLY IS INSTALLED. (880 ONLY)

PART NUMBER	DESCRIPTION
2230790-8001	TTY OPTION KIT - 810/880 (FIELD INSTALLED)
2230790-0001	TTY OPTION KIT, 1/2 SLOT - 810/880

REV STATUS OF SHEETS				
REV	B	B	B
SHEET	1	2	3

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN MILLIMETERS
- TOLERANCES: ANGLE ±1°, 1 PLACE DECIMALS ±0.5, 2 PLACE DECIMALS ±0.25
- PARENTHETICAL INFO FOR REF ONLY

THIRD ANGLE PROJECTION

		DATE
DWN	S. DODSON	2/14/83
CHK	JD DODSON	2/14/83
ENGR	[illegible]	5/12
APVD ENGR	[illegible]	5/12
QA	[illegible]	5/12/83
APVD MFG	[illegible]	
RLSE	[illegible]	5/17/83

TEXAS INSTRUMENTS INCORPORATED
Digital Systems Group

SI-METRIC

TTY OPTION KIT, 1/2 SLOT - 810/880

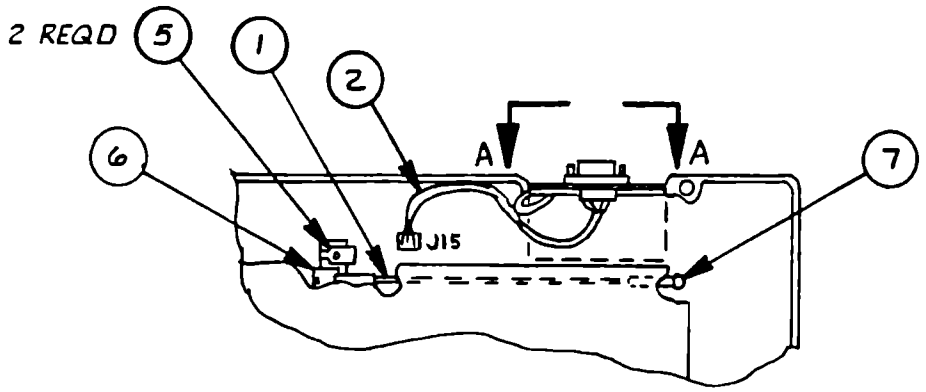
SIZE	FSCM NO	DRAWING NO
A	06668	2230790

SCALE NONE SHEET 1 OF 3

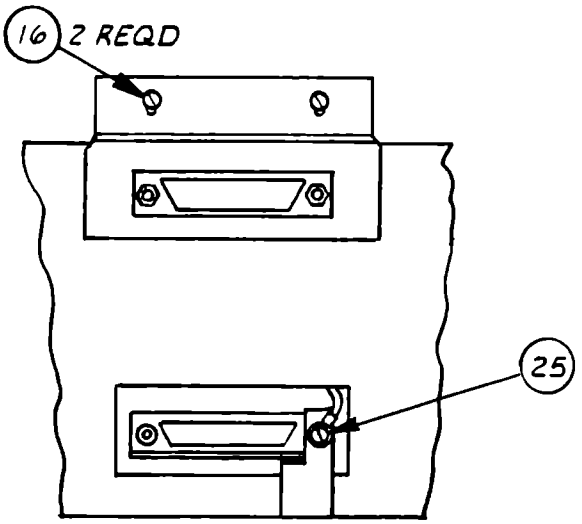
TI 28738 300

LM FILMED

E I S



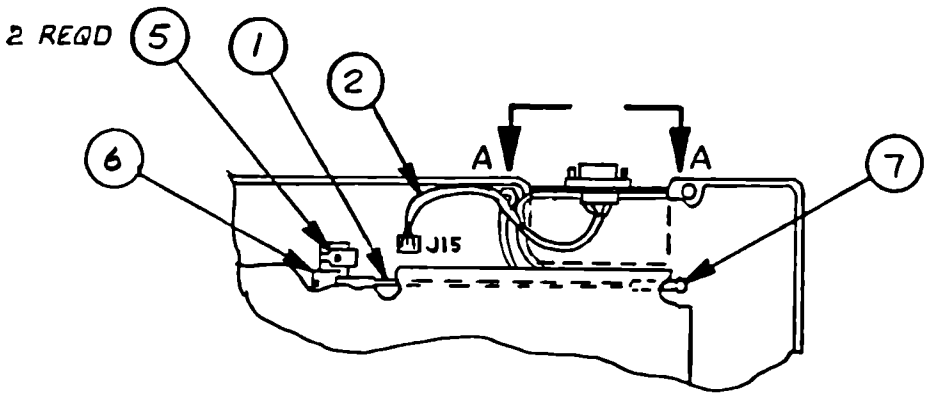
TTY I/F KIT INSTALLATION FOR 810 PRINTER



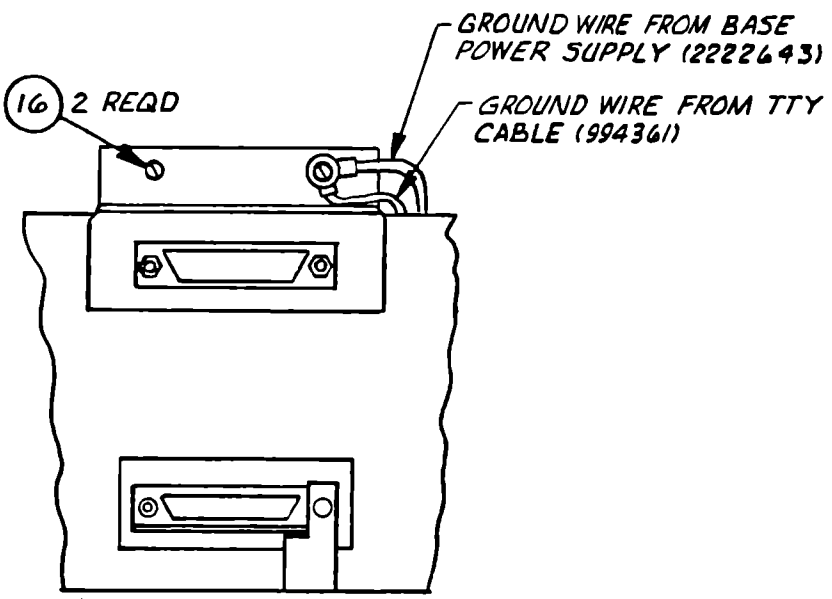
VIEW A-A
(ROTATED 180° CW)
GROUND WIRE INSTALLATION

	TEXAS INSTRUMENTS INCORPORATED Digital Systems Group	SIZE A	2230790 SHEET 2	REV B

TI 28740



TTY I/F KIT INSTALLATION FOR 880 PRINTER



VIEW A-A
(ROTATED 180° CW)
GROUND WIRE INSTALLATION

	TEXAS INSTRUMENTS INCORPORATED Digital Systems Group	SIZE A	2230790 SHEET 3	REV B

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
2230790-0001	B	TTY OPTION KIT, 1/2 SLOT - 810/880

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2230497-0001	PWB ASSY, 20MA TTY, 810 1225-1497-004	EA
0002	00001.000	0994361-0001	CABLE ASSY, TTY INTERFACE, 810 1225-1361-052	EA
0005	00002.000	0996225-0001	FASTENER,PUSHNUT,REMOVABLE .185/.190 DIA PAL - PZ001935	EA
0006	00001.000	0994294-0001	CARD GUIDE,CENTER 1255-0028-014	EA
0007	00000.007	0231792-0004	COLOR DOT,YELLOW.250 DIA. 085480-0025 YELLOW	SH
0012	REF	2230792-0001	MNL,INSTALLATION,APPLICATION 810 PRINTER	EA
0017	00005.000	0539409-0001	CONNECTOR, RACK & PANEL, PLUG, 9POS	EA
0018	00001.000	0539430-0003	CONTACT,PIN 24-20AWG .068 INSUL DIA AMP -205202-2 ST	EA
0019	00001.000	2210305-0001	HOOD STRN RLF 45/180DEG,BULK PK 9 POS 000779-2-206478-0	EA
0021	00000.000	0411101-0057	LOCKWASHER # 4 EXTERNAL TOOTH CRES QPL - MS35335-57	EA
0021A			*TO BE USED WITH ITEM 22 QPL - MS35335-57	
0022	00000.000	0972988-0013	SCREW 4-40 X .250 PAN HEAD CRES	EA
0022A			*ALTERNATE TO ITEM 25	
0022B			*REQUIRES ITEM 21	
0025	00001.000	2210084-0002	SEMS SCREW, 4-40X1/4 EXT. TOOTH 1221-2134-000	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
2230790-8001	B	TTY OPTION KIT-810 (FIELD INSTALLED)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2230790-0001	TTY OPTION KIT, 1/2 SLOT - 810/880 1225-0000-000	EA
0002	REF	2230792-0001	MNL,INSTALLATION,APPLICATION 810 PRINTER	EA
0003	00001.000	0994351-0001	LABEL,CONFIGURATION 1225-1351-000	EA
0004	00001.000	2222636-0001	LABEL,CONFIGURATION	EA

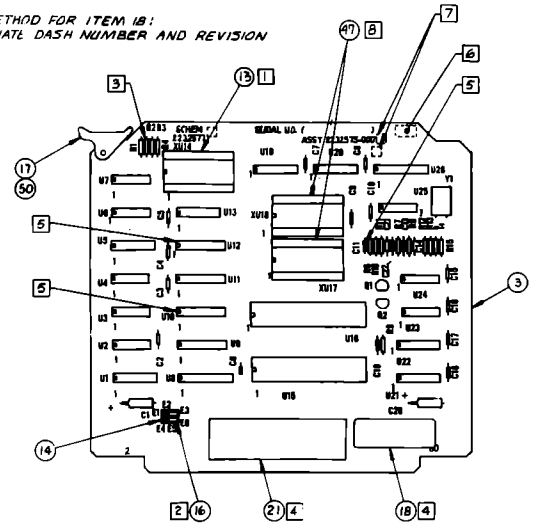
DWG NO 2232575

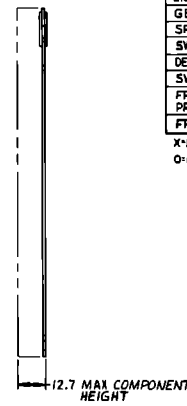
NOTES: UNLESS OTHERWISE SPECIFIED:

1. ROM/EPROM (ITEM 7) IN XU14 OF THIS ASSEMBLY IS TO BE EXCHANGED WITH THE ROM/EPROM (ITEM 5) IN XU36 ON PROCESSOR ASSEMBLY 994249. THE STANDARD 810 ROM/EPROM SHOULD BE PLACED INTO XU14 OF THIS ASSEMBLY
2. POSITION JUMPERS (ITEM 16) PER TABLE I AND PRINTER TYPE
3. REMOVE THE RESISTOR JUMPERS (ITEM 39) PER TABLE II AND DESIRED CHARACTER SET
4. LOCATE LABEL APPROXIMATELY AS SHOWN (DO NOT COVER GOLD TABS)
5. C11, U10 AND U12 ARE FOR FUTURE USE
6. ALTERNATE METHOD FOR ITEM 18: MARK ASSEMBLY SITE/DATE CODE IN LOCATION SHOWN PER ITEM 45
7. ALTERNATE METHOD FOR ITEM 18: MARK APPROPRIATE DASH NUMBER AND REVISION LETTER
8. PINS 1,2,27 & 28 OF XU17 & XU18 ARE NOT USED WHEN 24 PIN DEVICES ARE USED FOR U18 & U17 (ITEM 0008 & 0009).

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	CN4997794(C)PRUNYON (1) ITEM 7 P/N WAS 2230485-0004	8-23-83	B. Hubbard
B	CN4980694(C)PRUNYON (1) ITEM 11 QTY WAS 1.00 ON -0001 LM (2) ON -0001 LM ADDED ITEM 46 (3) PROCESS 1 ADDED REF TO NOTES 6&7; (4) ON -0001 LM ITEM 8&9 P/N'S WERE 2230794-1 & 2230794-2	8-23-83	B. Hubbard
C	CN5048778(C)PRUNYON (1) ON -0001 LM ITEM 8&9 P/N'S WERE 2230794-3 & 2230794-4 (2) ON -0001 LM ADDED ITEMS 48 & 49 (3) ON -0001 LM ITEM 15 P/N WAS 2363830-0002, ITEM 13 QTY WAS 3.00 AND ALSO ADDED ITEM 47 (4) ADDED NOTE 8 (5) UPDATE PICTORIAL	8-23-83	B. Hubbard
D	CN5111426 (C) S Dodson	12-22-83	12-21-83 R Karl
E	CN5111418 (D) S Dodson	4-17-84	4-17-84 JD Dodson
F	CN5153366 (D) Dodson	5-2-84	5-2-84 JD Dodson





CONVERSION CHART	
MM	IN
0.25	.010
0.5	.02
12.7	.50

CHARACTER SET	R4	R3	R2	R1
DOMESTIC	X	X	X	X
UNITED KINGDOM	X	O	X	X
GERMANY	O	O	X	X
SPAIN	X	X	O	X
SWEDEN/FINLAND	O	X	O	X
DENMARK/NORWAY	X	O	O	X
SWISS	O	O	O	X
FRENCH WORD PROCESSING	X	X	X	O
FRENCH CANADIAN	O	X	X	X

X=EXISTS
O=OMIT

TABLE II [3]

PRINTER TYPE	JUMPER ONE (1)	JUMPER TWO (2)
BSC	E2-E3	E5-E6
VFC/FLC	E2-E3	E4-E5
VCO/FCO	E1-E2	E4-E5

TABLE I [2]

3	SLDR	127-01	00		
2	SLDR	124-02	00		
1	MARK	914-01	00	COLOR BLACK	6 7

SEQ NO	CONT	F-SPEC	NO	ADDITIONAL	NOTES
PROCESS			CLASSIFICATION		

PROCEDURES — FOR CORRELATION TO GOVT/MIL SPECIFICATIONS, SEE TI DRAWING 720467

REV STATUS OF SHEETS | REV | SH1

2232575-5501	SEQUENCE TAPE FOR -5001
2232575-5001	AUTO INSERTED PARTS LIST FOR -0001
2232575-0001	LETTER QUALITY, 2ND GENERATION - 810
PART NUMBER	DESCRIPTION

-3 QTY	-2 QTY	-1 QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	NOTES

PARTS LIST

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN MILLIMETERS
- TOLERANCES: 2 PLACE DECIMALS ±0.25; 1 PLACE DECIMALS ±0.5; ANGLES ±1°
- INTERPRET DRAWING PER ANSI Y14.5M-1982
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS 0.25 FIM
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE | THIRD ANGLE PROJECTION

0.33 THRU 3.18	+0.10 -0.00
3.20 THRU 9.35	+0.13 -0.00
9.38 THRU 12.70	+0.15 -0.00
12.73 THRU 19.05	+0.20 -0.00
19.08 THRU 25.40	+0.25 -0.00
25.43 THRU 50.80	+0.25 -0.00

2360091	8733
NEXT ASSY	USED ON
APPLICATION	

JDDodson 2-1-83
3-10-83
3-10-83
3-10-83
3-10-83
3-10-83

TEXAS INSTRUMENTS | SI-METRIC

LETTER QUALITY, 2ND GENERATION - 810

SIZE D | PREFIX 06668 | DRAWING NO 2232575

SCALE 1:1 | SHEET

320

2 FILMED LM

9-273

List of Materials

05/12/84

PART NUMBER REV DESCRIPTION.....
2232575-0001 F LETTER QUALITY,2ND GENERATION - 810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	2232575-5001	AUTO INSERTED PARTS LIST FOR -0001 1225-5575-012	EA
0004	REF	2232577-0001	DIAGRAM, 2ND GEN-810 LC (HALF SIZE)	EA
0005	00001.000	2210972-0001	IC,PARALLEL I/O CONTROLLER SEE TI- DRAWING	EA
0005A			U15 SEE TI- DRAWING	
0006	00001.000	2210301-0001	IC, MICROPROCESSOR, CPU 056708-Z80A-CPU-PS	EA
0006A			U16 056708-Z80A-CPU-PS	
0007	00001.000	2230485-0005	EPROM, 810 LQ, 8080 1225-1485-002	EA
0007A			U14 1225-1485-002	
0008	00001.000	2232603-0001	IC, 8192 X 8 BIT ROM1, CUSTOM SEE TI- DRAWING	EA
0008A			U17 SEE TI- DRAWING	
0009	00001.000	2232603-0002	IC, 8192 X 8 BIT ROM2, CUSTOM SEE TI- DRAWING	EA
0009A			U18 SEE TI- DRAWING	
0010	00001.000	0800257-0001	TRANSISTOR, MPS 3640, PNP, SWITCHING 004713-MPS3640	EA
0010A			Q1 004713-MPS3640	
0011	00000.000	0972955-0001	XSTR 2N2369A,NPN,HIGH SPEED SW,TO-18 MOT - 2N2369A	EA
0011A			*ALTERNATE TO ITEM 46 MOT - 2N2369A	
0012	00002.000	2211700-0017	CAP. 6.8UF, 16VOLT, ALUM, ELECT SEE TI- DRAWING	EA
0012A			C1,C20 SEE TI- DRAWING	
0013	00001.000	2210188-0007	SOCKET, LOW PROFILE, DIP, 24 PINS 003612-DILB24P-108	EA
0013A			XU14 003612-DILB24P-108	
0014	00001.000	2210057-0003	HEADER, STRAIGHT PIN, 6 POS. 007791--87215-2	EA
0014A			E1,E2,E3,E4,E5,E6 007791--87215-2	
0015	00001.000	2210835-0013	CRYSTAL,8.00 MHZ,PARALLEL RESONANT SEE TI- DRAWING	EA
0015A			Y1 SEE TI- DRAWING	
0016	00002.000	0972487-0001	JUMPER PLUG,CONNECTOR BLACK 5935-0900-000	EA
0017	00001.000	0413277-0001	EJECTOR,PCB,NON-LOCKING,WHITE SCA -S-200(NATURAL)	EA
0018	00001.000	2363830-0001	LABEL, SYMBOLIZATION (38MM X 13MM) 1225- -C00	EA
0019	00000.000	2211540-0001	FOAM, .35X.50X.05,POLY, ADHESIVE BACKED SEE TI- DRAWING	EA
0019A			*USED WITH ITEM 20 SEE TI- DRAWING	
0020	00000.000	0538031-0003	CRYSTAL UNIT QUARTZ 8.00 MHZ .005% 5955-2000-000	EA

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
2232575-0001	F	LETTER QUALITY,2ND GENERATION - 810

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0020A			*ALTERNATE TO ITEM 15 5955-2000-000	
0021	00001.000	2232581-0001	LABEL, ROM/EPROM, 810 LQ	EA
0045	REF	0994396-0001	PROC., SITE/DATE CODE AND SERIALIZATION	EA
0046	00001.000	2211475-0001	TRANSISTOR,MPS2369, NPN, SWITCHING 5961-2110-000	EA
0046A			Q2 5961-2110-000	
0047	00002.000	2210188-0008	SOCKET,LOW PROFILE,DIP,28 CONT 003612-DIL028P-108	EA
0047A			XU17,XU18 003612-DIL028P-108	
0048	00000.000	2230794-0003	EPROM,2ND GENERATION,810 LQ,(U17) 0000-0000-000	EA
0048A			*ALTERNATE FOR ITEM 8 0000-0000-000	
0049	00000.000	2230794-0004	EPROM,2ND GENERATION,810 LQ,(U18) 0000-0000-000	EA
0049A			*ALTERNATE FOR ITEM 9 0000-0000-000	
0050	00001.000	0085936-0065	EYELET,ROLLED FLANGE,.085 O.D. X .312 LG	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
2232575-5001	F	AUTO INSERTED PARTS LIST FOR -0001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0002	00001.000	2232575-5501	SEQUENCE TAPE FOR -5001 1225-2575-012	EA
0003	00001.000	2232576-0001	PWB,LETTER QUALITY,2ND GENERATION - 810	EA
0022	00002.000	0972900-7404	NETWORK SN74LS04N	EA
0022A			U6,U24	
0023	00002.000	0972900-7432	NETWORK SN74LS32N TI -SN74LS32N	EA
0023A			U3,U7 TI -SN74LS32N	
0024	00002.000	0972900-7474	NETWORK SN74LS74N	EA
0024A			U2,U4	
0025	00001.000	0972900-7138	NETWORK SN74LS138N TI -SN74LS138N	EA
0025A			U22 TI -SN74LS138N	
0026	00002.000	0972900-7139	NETWORK SN74LS139N TI -SN74LS139N	EA
0026A			U1,U5 TI -SN74LS139N	
0027	00001.000	0972900-7174	NETWORK SN74LS174N	EA
0027A			U21	
0028	00002.000	0996089-0004	IC,SN74LS244N LINE DRIVER -SN74LS244N	EA

List of Materials

05/12/84

PART NUMBER REV DESCRIPTION.....
2232575-5001 F AUTO INSERTED PARTS LIST FOR -0001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0028A			U8,U26	
			-SN74LS244N	
0029	00002.000	0996136-0001	IC,SN74LS257N,DATA SELECTORS/MULTIPLEXER	EA
			TI -SN74LS257N	
0029A			U19,U20	
			TI -SN74LS257N	
0030	00001.000	0972787-0003	NETWORK SN74LS367N	EA
0030A			U13	
0031	00001.000	0996508-0001	IC,74LS393N DUAL BINARY COUNTER	EA
			001295-74LS393N	
0031A			U25	
			001295-74LS393N	
0032	00001.000	0219402-7474	NETWORK SN74S74N	EA
0032A			U23	
0033	00002.000	2220517-0004	IC,16KX4BIT RAM,330NSEC READ CYCLE TIME	EA
			SEE TI- DRAWING	
0033A			U9,U11	
			SEE TI- DRAWING	

05/12/84

PART NUMBER REV DESCRIPTION.....
2232575-5501 F SEQUENCE TAPE FOR -5001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0034	00002.000	0972946-0025	RES FIX 22.0 OHM 5 % .25 W.CARBON FILM	EA
			ROH - R-25	
0034A			R10,R11	
			ROH - R-25	
0035	00001.000	0972946-0043	RES FIX 120 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0035A			R13	
			ROH - R-25	
0036	00001.000	0972946-0050	RES FIX 240 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0036A			R15	
			ROH - R-25	
0037	00002.000	0972946-0051	RES FIX 270 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0037A			R7,R8	
			ROH - R-25	
0038	00002.000	0972946-0057	RES FIX 470 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0038A			R12,R14	
			ROH - R-25	
0039	00004.000	0972946-0065	RES FIX 1.0K OHM 5% .25 W CARBON FILM	EA
			ROH - R-25	
0039A			R1,R2,R3,R4	
			ROH - R-25	
0040	00001.000	0972946-0089	RES FIX 10K OHM 5% .25 W CARBON FILM	EA
			1658- -000	
0040A			R9	
			1658- -000	

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
2232575-5501	F	SEQUENCE TAPE FOR -5001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0041	00014.000	0972763-0021	CAP.,FIXED,AXIAL LEAD,.047 UF,+80%,-20% 1632-0000-000	EA
0041A			C2,C3,C4,C5,C6,C7,C8,C9,C10 1632-0000-000	
0041B			C15,C16,C17,C18,C19 1632-0000-000	
0042	00001.000	0972757-0013	CAP.,FIXED,AXIAL LEAD,1000 PF,10%,50V	EA
0042A			C14	
0043	00003.000	0972757-0041	CAP,FIX,CERAMIC, 33 PF, 50 V, 10% 007115-SEE TI DWG	EA
0043A			C13,C21,C22 007115-SEE TI DWG	
0044	00001.000	0972946-0003	RES FIX 2.7 OHM 5 % .25 W.CARBON FILM ROH - R-25	EA
0044A			R6 ROH - R-25	

05/12/84

PART NUMBER	REV	DESCRIPTION
2232575-8001	F	LETTER QUALITY,2ND GENERATION - 810 - SP

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2232575-0001	LETTER QUALITY,2ND GENERATION - 810 1225-1575-012	EA

DWG NO 2232582 SH 1

NOTES: UNLESS OTHERWISE SPECIFIED:

1. MARK SITE DATE CODE AND SERIAL NUMBER ON ASSEMBLY PER (ITEM 6), PARAGRAPH 3.0 USING PROCESS 1 OR 2. MARK APPROPRIATE REVISION LETTER PER PROCESS 1 OR 2. LABEL (ITEM 5) TO BE APPROXIMATE LOCATION SHOWN

REVISIONS

REV	DESCRIPTION	DATE	APPROVED

CONVERSION CHART	
mm	INCHES
0.25	0.010
0.5	0.02
2.5	0.10
3.0	0.12

PART NUMBER	DESCRIPTION
2232582-0002	CARRIAGE MOTOR-ENCODER ASSY, 10/16.5 CPI
2232582-0001	CARRIAGE MOTOR-ENCODER ASSY, 10 CPI

COMPUTER GENERATED DRAWING
DO NOT REVISE MANUALLY

-2 QTY	-1 QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	NOTES
2	2	1	902-01	01 HEIGHT 2.5, (CAT 5)	[1]
1	1	1	902-01	01 HEIGHT 3.0, (CAT 5)	[1]

BEQ NO	MENT	F-SPEC	NO	ADDITIONAL
PROCESS			CLASSIFICATION	

PROCESS - FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 729487

NOTES

REV STATUS OF SHEETS: REV SH 1 2

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN MILLIMETERS
- TOLERANCES: 2 PLACE DECIMALS ± 0.25, 1 PLACE DECIMALS ± 0.5, ANGLES ± 1°
- INTERPRET DRAWING PER 000-0-1000
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS 0.25 FIM
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE	
0.33 THRU 3.18	+0.10/-0.03
3.20 THRU 6.35	+0.13/-0.03
6.38 THRU 12.70	+0.13/-0.03
12.73 THRU 19.05	+0.20/-0.03
19.08 THRU 25.40	+0.25/-0.03
25.43 THRU 50.80	+0.30/-0.03

THIRD ANGLE PROJECTION

8733

NEXT ASSY | USED ON

APPLICATION

DWN J. A. TAGLIARINO 7-25-83
CHK D. D. Lewis 8-17-83
ENGR Ralph Scott by TMG 8-12-83
MFG
QA John Hyatt 8/22/83
APPROVED Jerry Wilhelm 8-15-83
PROJ Ralph Williams 8/22/83

TEXAS INSTRUMENTS INCORPORATED
Digital Systems Group

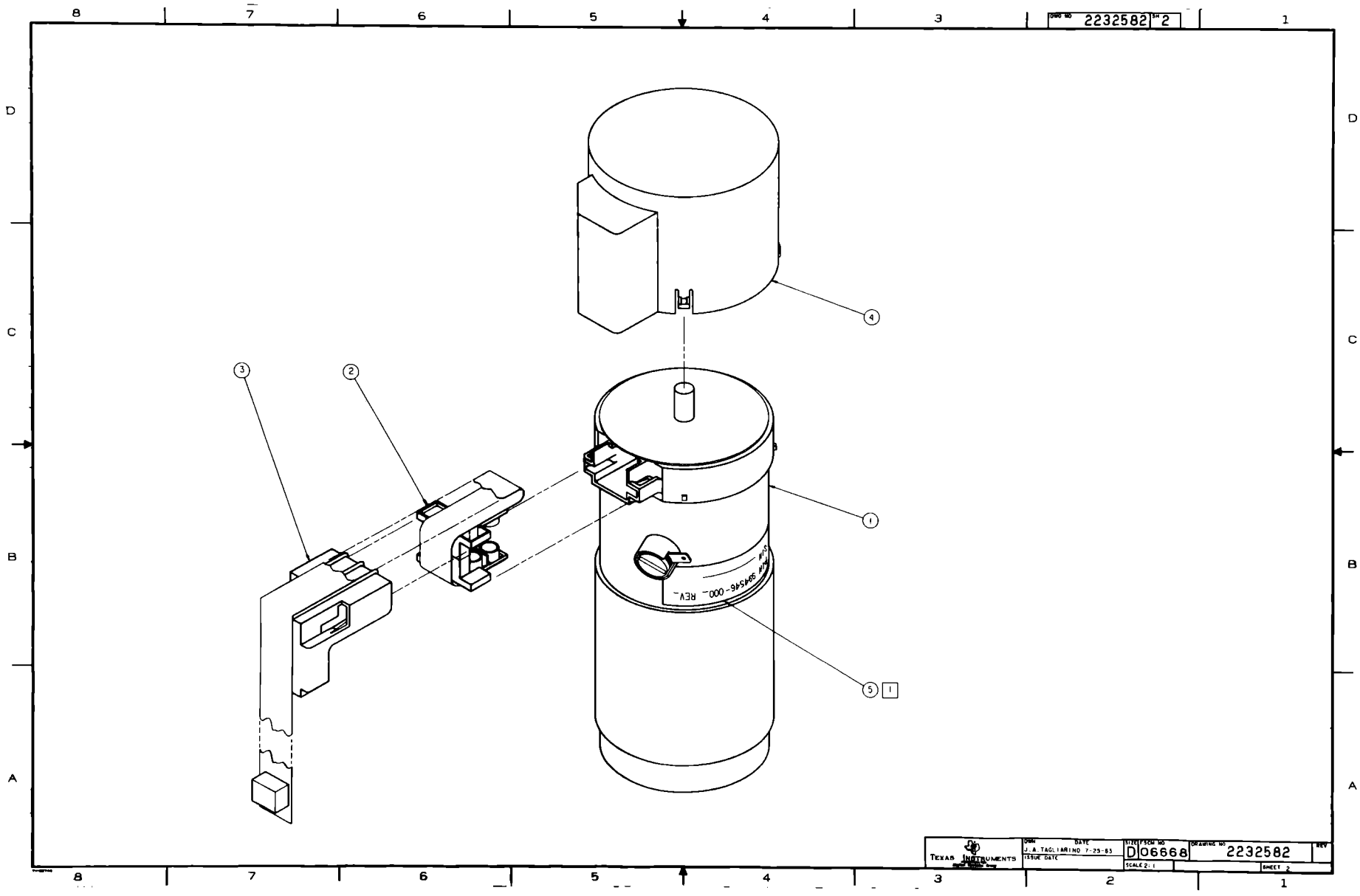
SI-METRIC

CARRIAGE MOTOR-ENCODER ASSY

SITE/FSCM NO D06668 | DRAWING NO 2232582

SCALE 2:1 | SHEET 1 OF 2

8 7 6 5 4 300 3 2 FILMED TB 1 LM


DWG NO 2232582 SH 2
4
3
2
1
5
I
TEXAS INSTRUMENTS
DWN J.A. TAGLIARINO DATE 7-25-85
ISSUE DATE
SIZE/SCH NO D06668
DRAWING NO 2232582
REV
SCALE 2:1
SHEET 2

List of Materials

02/04/84

PART NUMBER REV DESCRIPTION.....
2232582-0001 CARRIAGE MOTOR-ENCODER ASSY,10 CPI

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	2232583-0001	BASE - ENCODER SUBASSY, 10 CPI 1225- -000	EA
0002	00001.000	2232589-0001	ENCODER CIRCUIT ASSEMBLY, 10 CPI 1225-1589-001	EA
0003	00001.000	2232588-0001	SPACER - ENCODER 1255-0080-002	EA
0004	00001.000	2232598-0001	COVER - ENCODER 1255-0079-002	EA
0005	00001.000	0232208-3500	LABEL WIRE MARKER DATABS VINYL CLOTH 1286-2208-000	EA
0006	REF	0994396-0001	PROC., SITE/DATE CODE AND SERIALIZATION	EA

02/04/84

PART NUMBER REV DESCRIPTION.....
2232582-0002 CARRIAGE MOTOR-ENCODER ASSY,10/16.5 CPI

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	2232583-0002	BASE - ENCODER SUBASSY, 10/16.5 CPI 1225- -000	EA
0002	00001.000	2232589-0002	ENCODER CIRCUIT ASSEMBLY, 10/16.5 CPI 1225-2589-002	EA
0003	00001.000	2232588-0001	SPACER - ENCODER 1255-0080-002	EA
0004	00001.000	2232598-0001	COVER - ENCODER 1255-0079-002	EA
0005	00001.000	0232208-3500	LABEL WIRE MARKER DATABS VINYL CLOTH 1286-2208-000	EA
0006	REF	0994396-0001	PROC., SITE/DATE CODE AND SERIALIZATION	EA

2232583 SH 1

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	CN5111977 (D) M.DURHAM (1) REVISED CC (2) REVISED NOTES 4 AND 6 (3) REVISED PICTORIAL	11/17/83	

NOTES: UNLESS OTHERWISE SPECIFIED:

1. SECURE BASE (ITEM 1) TO MOTOR SUB-ASSY (ITEM 11) USING ITEMS 4, 5, AND 6, AND TORQUE SCREWS (ITEM 4) TO 0.28 ±0.1 N-M
2. AFTER BASE (ITEM 1) IS SECURED TO MOTOR (ITEM 11) SELECT BEST END OF MASK AND ALIGN IT WITH WALLS OF BASE AT LOCATION SHOWN. GLUE BOTH ENDS OF MASK (ITEM 2) TO BASE USING ADHESIVE (ITEM 3) (MASK P/N MUST BE LEGIBLE WHEN INSTALLED)
3. CUT OUT CENTER PORTION OF MASK AFTER GLUE IS SET (MINIMUM SET TIME IS 10 SECONDS)
4. POSITION HUB (ITEM 7) ON MOTOR SHAFT. TOP SURFACE OF HUB MUST BE 0.076 ±0.02 ABOVE MASK (REF: HUB ALIGNMENT TOOL DWG # 2228433) AND TORQUE SET SCREW (ITEM 10) TO 0.56 ±0.1 N-M
5. INSTALL 0.05 THK RETAINER (ITEM 9) ON HUB, PRESS DOWN LINER THEN REMOVE
6. INSTALL COMMUTATOR (ITEM 8) ON HUB AND PRESS FLAT (COMMUTATOR P/N MUST BE LEGIBLE WHEN INSTALLED AND GAP MUST BE 0.127±0.076)
7. MASK (ITEM 2) MUST BE FREE FROM DUST, FINGER PRINTS AND OIL AFTER ASSEMBLY

CONVERSION CHART	
mm	INCHES
0.0030±0.001	0.076±0.02
0.002	0.05
0.127±0.076	0.005±0.003
N-M	IN LB
0.28±0.1	2.5±1.0
0.56±0.1	5.0±1.0

PART NUMBER	DESCRIPTION
2232583-0002	BASE-ENCODER SUBASSY, 10/16.5 CPI
2232583-0001	BASE-ENCODER SUBASSY, 10 CPI

COMPUTER GENERATED DRAWING
DO NOT REVISE MANUALLY

-0 QTY	-0 QTY	-1 QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL

UNLESS OTHERWISE SPECIFIED:
- DIMENSIONS ARE IN MILLIMETERS
- TOLERANCES: 2 PLACE DECIMALS ± 0.13, 1 PLACE DECIMALS ± 0.5, ANGLES ± 1°
- INTERPRET DRAWING PER DOD-D-1000
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS 0.25 FIM
- GAGING NORMAL LIMITS APPLY BEFORE PROCESSES
- P PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

0.33 THRU 3.00	+0.10/-0.00
3.00 THRU 6.30	+0.15/-0.00
6.30 THRU 12.70	+0.20/-0.00
12.70 THRU 19.05	+0.25/-0.00
19.05 THRU 25.40	+0.25/-0.00
25.40 THRU 50.80	+0.38/-0.00

THIRD ANGLE PROJECTION

	DATE
DRN C.S. TABLARINO	7-19-83
CHK S. BRIDSON	8-3-83
ENGR RALPH SCOTT	8-12-83
APVD PROJ S. PELOSAK	8-22-83
QA GLEN HEBERT	8-22-83
APVD MFG PAT GRISTMAN	8-19-83
APVD ENG F. PELGRIMER	8-22-83

TEXAS INSTRUMENTS INCORPORATED — SI-METRIC

BASE - ENCODER SUBASSY

SIZE/FSCM NO D06666 — DRAWING NO 2232583

SCALE 2:1 — SHEET 1 OF 2

REV NO	MODIFY	P-SPEC	NO	ADDITIONAL CLASSIFICATION	NOTES	REV STATUS OF SHEETS	REV	A	A
		PROCESS					SH	1	2

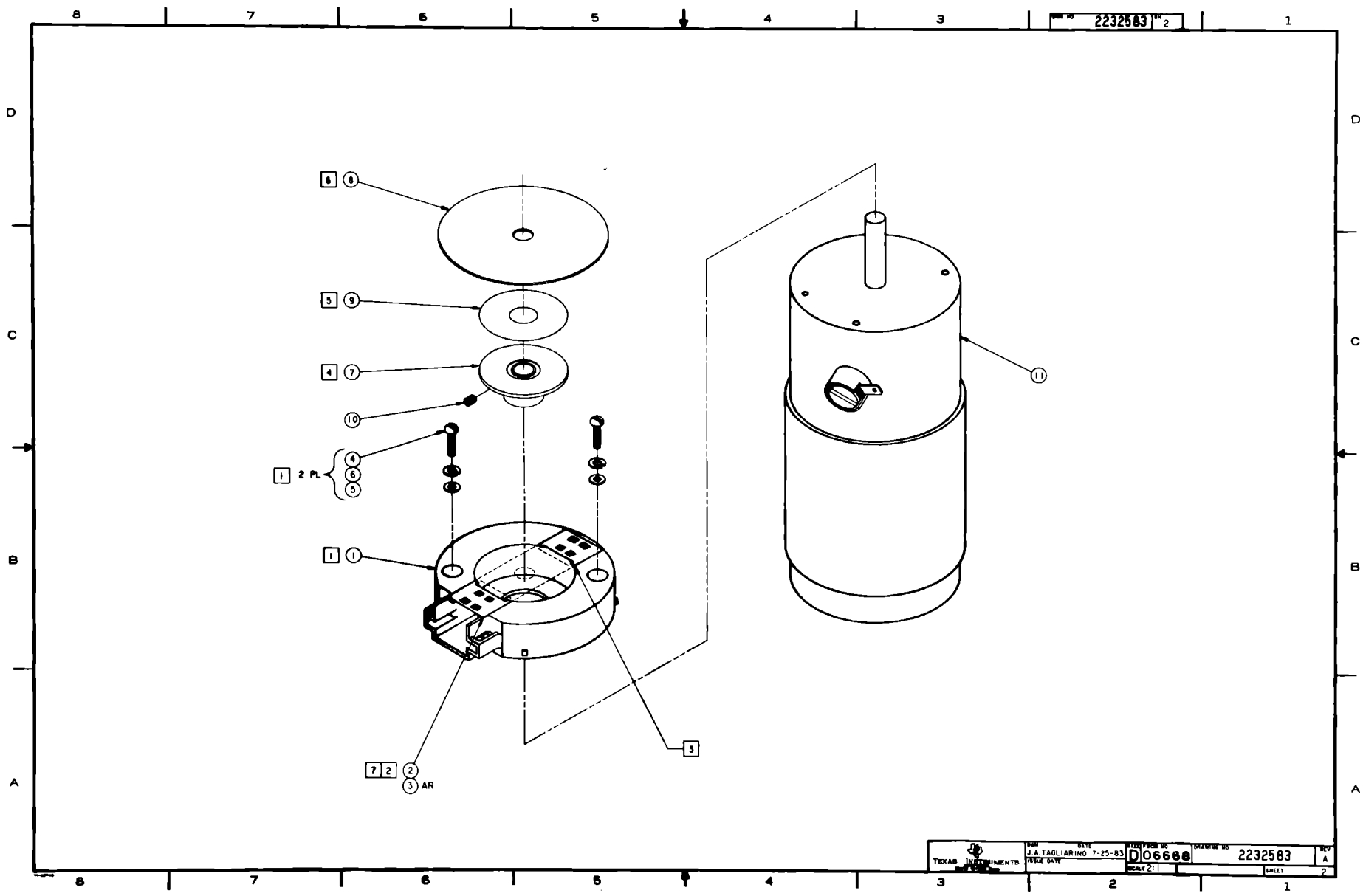
2232582	8733
NEXT ASSY	USED ON
APPLICATION	

4300

FILMED

TB 1 LM

9-281


8
7
6
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4
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2
1
D
C
B
A
2232583
6 8
5 9
4 7
10
1 2 PL
4
6
5
1 1
7 2
2
3 AR
3
11
TEXAS INSTRUMENTS
J.A.TAGLIARINO 7-25-83
D06688
2232583
A
SCALE 2:1
SHEET 2

List of Materials

02/04/84

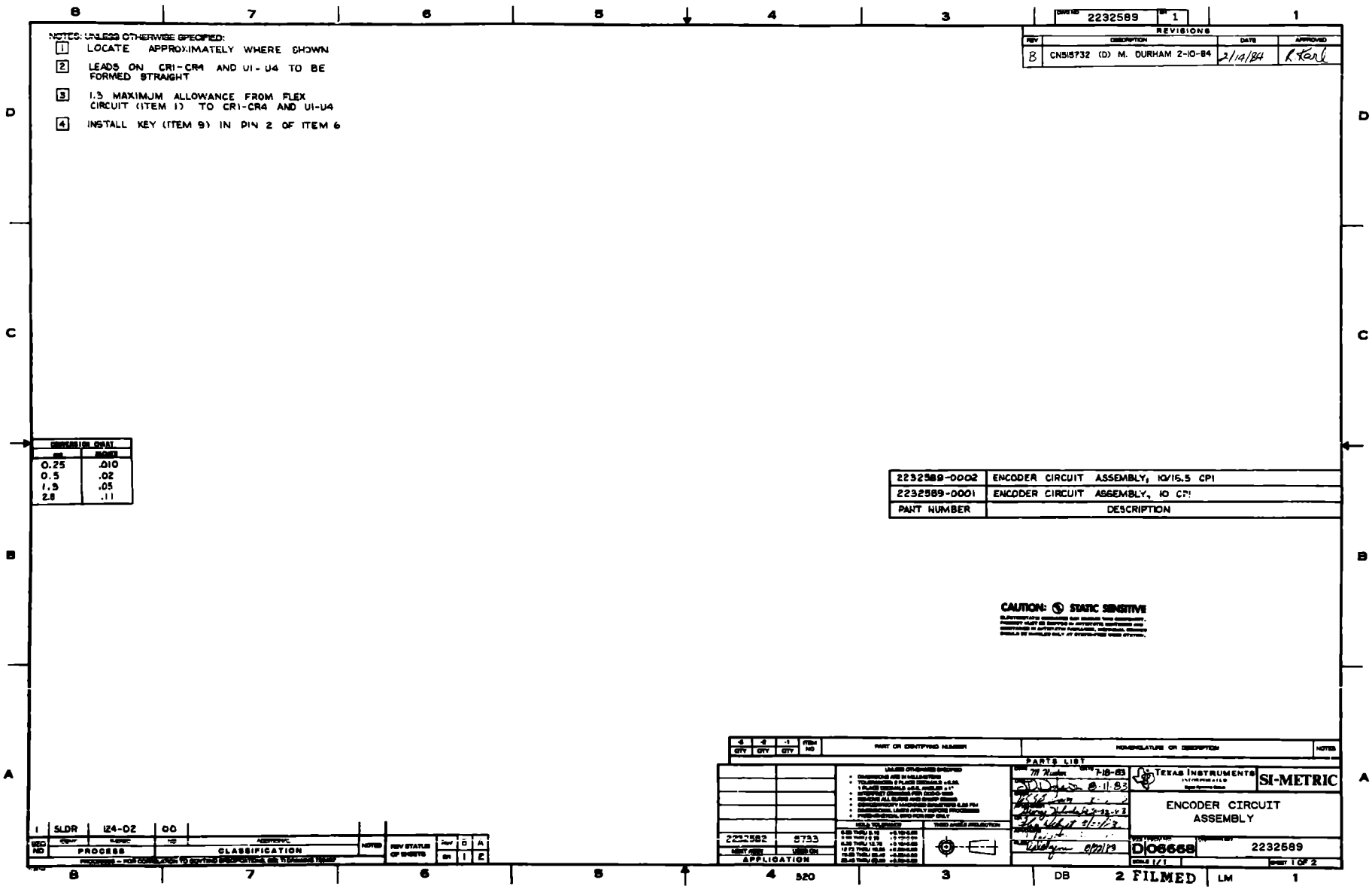
PART NUMBER	REV	DESCRIPTION
2232583-0001	A	BASE - ENCODER SUBASSY, 10 CPI

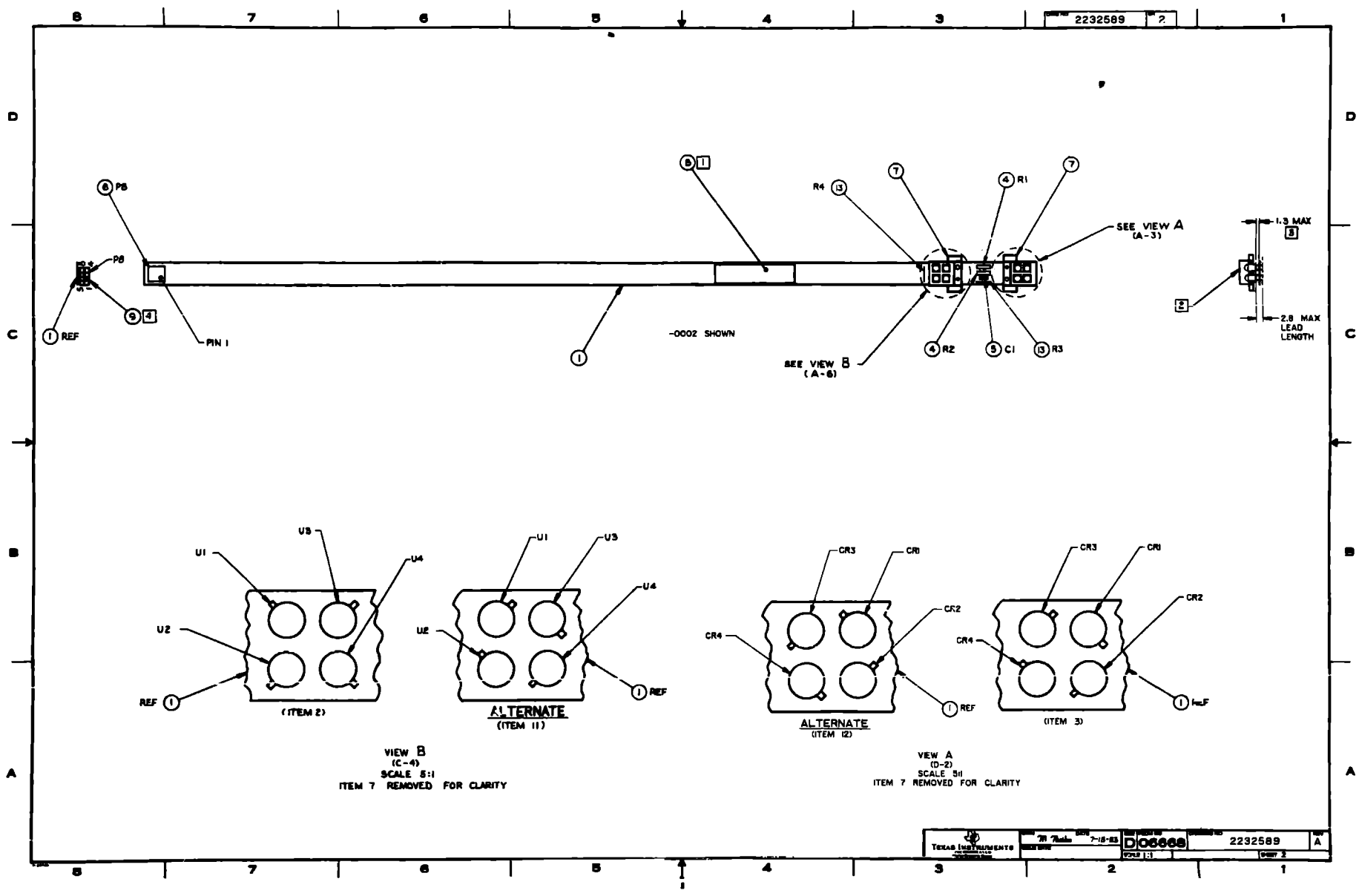
ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2232584-0001	BASE - ENCODER 1255-0078-002	EA
0002	00001.000	2232585-0001	MASK - ENCODER 1225- -000	EA
0003	AR	0996527-0003	ADHESIVE, CYANOACRYLATE,420 SUPERBONDER 005972-SEE DRAWING	BT
0004	00002.000	0972988-0003	SCREW 2-56 X .250 PAN HEAD CRES	EA
0005	00002.000	0418154-0052	WASHER,#3,.032THK,.102ID,.180 OD.	EA
0006	00002.000	0411104-0134	WASHER, LOCK-SPRING, HELICAL, #2 QPL - MS35338-134	EA
0007	00001.000	2232595-0001	HUB, ENCODER 1225- -000	EA
0008	00001.000	2232596-0001	DISK, COMMUTATOR, 10 CPI 1225- -000	EA
0009	00001.000	2232597-0001	RETAINER, COMMUTATOR - ENCODER SEE TI- DRAWING	EA
0010	00001.000	0411121-0021	SETSCREW 6-32 UNC-3A X .125 CUP POINT QPL - MS51021-21	EA
0011	00001.000	2206622-0001	MOTOR, SUB-ASSEMBLY 1225-1622-000	EA

02/04/84

PART NUMBER	REV	DESCRIPTION
2232583-0002	A	BASE - ENCODER SUBASSY, 10/16.5 CPI

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2232584-0001	BASE - ENCODER 1255-0078-002	EA
0002	00001.000	2232585-0001	MASK - ENCODER 1225- -000	EA
0003	AR	0996527-0003	ADHESIVE, CYANOACRYLATE,420 SUPERBONDER 005972-SEE DRAWING	BT
0004	00002.000	0972988-0003	SCREW 2-56 X .250 PAN HEAD CRES	EA
0005	00002.000	0418154-0052	WASHER,#3,.032THK,.102ID,.180 OD.	EA
0006	00002.000	0411104-0134	WASHER, LOCK-SPRING, HELICAL, #2 QPL - MS35338-134	EA
0007	00001.000	2232595-0001	HUB, ENCODER 1225- -000	EA
0008	00001.000	2232596-0002	DISK, COMMUTATOR, 10/16.5 CPI 1225- -000	EA
0009	00001.000	2232597-0001	RETAINER, COMMUTATOR - ENCODER SEE TI- DRAWING	EA
0010	00001.000	0411121-0021	SETSCREW 6-32 UNC-3A X .125 CUP POINT QPL - MS51021-21	EA
0011	00001.000	2206622-0001	MOTOR, SUB-ASSEMBLY 1225-1622-000	EA


DWG NO 2232589 REV 1
REVISIONS
REV DESCRIPTION DATE APPROVED
B CN515732 (D) M. DURHAM 2-10-84 2/14/84
NOTES: UNLESS OTHERWISE SPECIFIED:
1 LOCATE APPROXIMATELY WHERE SHOWN
2 LEADS ON CR1-CR4 AND U1-U4 TO BE FORMED STRAIGHT
3 1.3 MAXIMUM ALLOWANCE FROM FLEX CIRCUIT (ITEM 1) TO CR1-CR4 AND U1-U4
4 INSTALL KEY (ITEM 9) IN PIN 2 OF ITEM 6
CONVERSION CHART
MM INCHES
0.25 .010
0.5 .02
1.3 .05
2.8 .11
2232589-0002 ENCODER CIRCUIT ASSEMBLY, 10/15.5 CPI
2232589-0001 ENCODER CIRCUIT ASSEMBLY, 10 CPI
PART NUMBER DESCRIPTION
CAUTION: STATIC SENSITIVE
PARTS LIST
TEXAS INSTRUMENTS
SI-METRIC
ENCODER CIRCUIT ASSEMBLY
D06668
2232589
SHEET 1 OF 2
1 SLDR 124-02 00
PROCESS CLASSIFICATION
2232582 5733
APPLICATION
520
DB 2 FILMED LM


2232589
P8
REF
PIN 1
-0002 SHOWN
SEE VIEW A
(A-3)
SEE VIEW B
(A-6)
R4
R1
R2
C1
R3
1.3 MAX
2.8 MAX
LEAD
LENGTH
U1
U2
U3
U4
U5
REF
(ITEM 2)
ALTERNATE
(ITEM 11)
CR1
CR2
CR3
CR4
ALTERNATE
(ITEM 12)
(ITEM 3)
VIEW B
(C-4)
SCALE 5:1
ITEM 7 REMOVED FOR CLARITY
VIEW A
(D-2)
SCALE 5:1
ITEM 7 REMOVED FOR CLARITY
TEXAS INSTRUMENTS
7-18-83
D06668
2232589
A

List of Materials

02/04/84

PART NUMBER 2232589-0001 REV B — DESCRIPTION: ENCODER CIRCUIT ASSEMBLY, 10 CPI

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2232594-0001	CABLE, FLEX PC - ENCODER 10 CPI	EA
			SEE TI- DRAWING	
0002	00002.000	2221445-0001	OPTICAL SWITCH, PHOTODIODE RECIEVER	EA
			SEE TI- DRAWING	
0002A			U1,U2	
			SEE TI- DRAWING	
0003	00002.000	2221467-0002	LED,INFRARED,20.0MW/SR,100MA I(F) AT 1.7	EA
			SEE TI- DRAWING	
0003A			CR1,CR2	
			SEE TI- DRAWING	
0004	00001.000	0972946-0031	RES FIX 39.0 OHM 5 % .25 W.CARBON FILM	EA
			ROH - R-25	
0004A			R1	
			ROH - R-25	
0005	00001.000	0972763-0025	CAPACITOR,.10UF 50V FX,CERAMIC DIEL	EA
			COR CA-C03Z5U104Z050A	
0005A			C1	
			COR CA-C03Z5U104Z050A	
0006	00001.000	2210245-0003	CONNECTOR, 8 POSITION (2X4)	EA
			SEE TI- DRAWING	
0006A			P8	
			SEE TI- DRAWING	
0007	00002.000	2232587-0001	OPTICS HOUSING - ENCODER	EA
			1255-0081-002	
0008	00001.000	2363830-0003	LABEL, SYMBOLIZATION (51MM X 13MM)	EA
			1225- -000	
0009	00001.000	0996497-0001	KEYING PLUG CONNECTOR	EA
			086286--1	
0010	REF	2232593-0001	ELECT SCHEMATIC DIAGRAM,ENCODER CIRCUIT	EA
0011	00000.000	2221447-0001	OPTICAL SWITCH, PHOTODIODE RECIEVER	EA
			SEE TI- DRAWING	
0011A			*ALTERNATE FOR ITEM 2	
			SEE TI- DRAWING	
0012	00000.000	2221522-0001	LED,INFRARED,27.0MW/SR,100MA I(F)@ 1.75V	EA
			SEE TI- DRAWING	
0012A			*ALTERNATE FOR ITEM 3	
			SEE TI- DRAWING	
0013	00000.100	0411400-0022	WIRE 22AWG ELETRO-TIN-PLATED,COPPER	FT
			- - -000	
0013A			R3,R4	
			- - -000	

02/04/84

PART NUMBER 2232589-0002 REV B — DESCRIPTION: ENCODER CIRCUIT ASSEMBLY, 10/16.5 CPI

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2232590-0001	CABLE, FLEX PC - ENCODER	EA
			SEE TI- DRAWING	
0002	00004.000	2221445-0001	OPTICAL SWITCH, PHOTODIODE RECIEVER	EA
			SEE TI- DRAWING	
0002A			U1,U2,U3,U4	
			SEE TI- DRAWING	
0003	00004.000	2221467-0002	LED,INFRARED,20.0MW/SR,100MA I(F) AT 1.7	EA
			SEE TI- DRAWING	
0003A			CR1,CR2,CR3,CR4	
			SEE TI- DRAWING	
0004	00002.000	0972946-0031	RES FIX 39.0 OHM 5 % .25 W.CARBON FILM	EA
			ROH - R-25	

List of Materials

02/04/84

PART NUMBER	REV	DESCRIPTION
2232589-0002	B	ENCODER CIRCUIT ASSEMBLY, 10/16.5 CPI

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0004A			R1,R2	
			ROH - R-25	
0005	00001.000	0972763-0025	CAPACITOR,.10UF 50V FX,CERAMIC DIEL	EA
			COR CA-C03Z5U104Z050A	
0005A			C1	
			COR CA-C03Z5U104Z050A	
0006	00001.000	2210245-0003	CONNECTOR, 8 POSITION (2X4)	EA
			SEE TI- DRAWING	
0006A			P8	
			SEE TI- DRAWING	
0007	00002.000	2232587-0001	OPTICS HOUSING - ENCODER	EA
			1255-0081-002	
0008	00001.000	2363830-0003	LABEL, SYMBOLIZATION (51MM X 13MM)	EA
			1225- -000	
0009	00001.000	0996497-0001	KEYING PLUG CONNECTOR	EA
			086286--1	
0010	REF	2232593-0001	ELECT SCHEMATIC DIAGRAM,ENCODER CIRCUIT	EA
0011	00000.000	2221447-0001	OPTICAL SWITCH, PHOTODIODE RECIEVER	EA
			SEE TI- DRAWING	
0011A			*ALTERNATE FOR ITEM 2	
			SEE TI- DRAWING	
0012	00000.000	2221522-0001	LED,INFRARED,27.0NW/SR,100MA I(F)@ 1.75V	EA
			SEE TI- DRAWING	
0012A			*ALTERNATE FOR ITEM 3	
			SEE TI- DRAWING	
0013	00000.100	0411400-0022	WIRE 22AWG ELETRO-TIN-PLATED,COPPER	FT
			- - -000	
0013A			R3,R4	
			- - -000	

NOTES: UNLESS OTHERWISE SPECIFIED:
1. * DENOTES ADDITIONAL TERMINAL CONFIGURATIONS

DWG NO 2360000 SH 1

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	CN434156(E) R.Dalgren	8/23/77	R.Dalgren
B	CN434200 (D) J. BAIZA	11/9/78	R.Dalgren
C	CN459618(D) R.Dalgren	8/8/79	R.Dalgren
D	CN459646(D) R.Dalgren	1/4/80	R.Dalgren
E	CN457925 (D) J.E. Munsey	10/22/80	R.Dalgren

PRODUCT INDEX
994310-0001

(DS-5114)

EXT. PRINTER (BSC)
994192-0001

- 2360021-0001 COVER,W/O TEAR BAR MTG HOLES
- 994500-0001 DOOR ASSY,BIO PRINTER
- 994251-0001 CONTROL + INDICTOR ASSY
- 994257-0001 AUX CONTROL + INDICTOR ASSY(STD)
- 994291-0003 MECHANISM ASSY, EXP,10CPI
- 994323-0001 BASE/POWER SUPPLY ASSY
- 994528-0001 DRIVER,PRINTHEAD + MOTOR
- 994340-0001 COVER,ELECTRONICS
- 994333-0001 AUX INPUT PANEL,BLANK
- 996241-0001 RIBBON,BLK MATREX-SINGLE
- 972487-0001 JUMPER PLUG,CONNECTOR,BLK
- 996289-0001 CORD SET, 3-PIN PWR, BLK
- 972037-1470 NETWORK,RES 16P 47
- 994244-0002 PROCESSOR
- ~~994472-0001~~ ~~SERVICE KIT,MOD BIO PRINTER~~
- 994476-0001 WINDOW, BIO PRINTER
- 2360007-0001 DOOR, ACCESS, KIT

BIO PRINTER (FLC)
994292-0002

- 2360021-0001 COVER W/O TEAR BAR MTG HOLES
- 994500-0001 DOOR ASSY, BIO PRINTER
- 994251-0001 CONTROL + INDICTOR ASSY
- 994257-0002 AUX CONTROL+INDICATOR ASSY,F.L.
- 994291-0003 MECHANISM ASSY, EXP, 10 CPI
- 994323-0001 BASE/POWER SUPPLY ASSY
- 994528-0001 DRIVER,PRINTHEAD+ MOTOR
- 994340-0001 COVER, ELECTRONICS
- 994333-0001 AUX INPUT PANEL, BLANK
- 996241-0001 RIBBON, BLK MATRIX-SINGLE
- 972487-0001 JUMPER PLUG, CONNECTOR, BLK
- 996289-0001 CORD SET, 3-PIN PWR, BLK
- 972037-1470 NETWORK, RES 16P 47
- 994244-0002 PROCESSOR
- ~~994472-0001~~ ~~SERVICE KIT,MOD BIOPRINTER~~
- 994476-0001 WINDOW, BIO PRINTER
- 2360007-0001 DOOR, ACCESS, KIT

BIO PRINTER (VFC)
994292-0003

- 2360021-0001 COVER, W/O TEAR BAR MTG HOLES
- 994500-0001 DOOR ASSY, BIO PRINTER
- 994251-0001 CONTROL + INDICTOR ASSY
- 994257-0004 AUX CONTROL + INDICATOR ASSY, VFC
- 994291-0003 MECHANISM ASSY, EXP, 10 CPI
- 994323-0001 BASE/POWER SUPPLY ASSY
- 994528-0001 DRIVER, PRINTHEAD+MOTOR
- 994340-0001 COVER, ELECTRONICS
- 994333-0001 AUX INPUT PANEL, BLANK
- 996241-0001 RIBBON, BLK MATRIX-SINGLE
- 972487-0001 JUMPER PLUG, CONNECTOR BLK
- 994319-0002 PROCESSOR KIT, VERT FORMAT CONTROL
- 996289-0001 CORD SET, 3-PIN PWR, BLK
- 972037-1470 NETWORK, RES 16P 47
- 994244-0002 PROCESSOR
- 994476-0001 WINDOW, 810 PRINTER
- ~~994472-0001~~ ~~SERVICE KIT,MOD BIO PRINTER~~
- 2360007-0001 DOOR, ACCESS, KIT

BIO PRINTER (BSC) W/9COPY PRNTHD)
994292-0004

- 2360021-0001 COVER W/O TEAR BAR MTG HOLES
- 994500-0001 DOOR ASSY, BIO PRINTER
- 994251-0001 CONTROL + INDICATOR ASSY
- 994257-0001 AUX CONTROL+INDICATOR ASSY,(STD)
- 994291-0006 MECHANISM ASSY, EXP(10CPI + 9 COPY PH)
- 994323-0001 BASE/POWER SUPPLY ASSY
- 994528-0001 DRIVER, PRINTHEAD+MOTOR
- 994340-0001 COVER, ELECTRONICS
- 994333-0001 AUX INPUT PANEL, BLANK
- 996241-0001 RIBBON, BLK MATRIX-SINGLE
- 972487-0001 JUMPER PLUG, CONNECTOR BLK
- 996289-0001 CORD SET, 3-PIN PWR BLK
- 972037-1470 NETWORK, RES 16P 47
- 994244-0002 PROCESSOR
- ~~994472-0001~~ ~~SERVICE KIT,MOD BIO PRINTER~~
- 994476-0001 WINDOW, BIO PRINTER
- 2360007-0001 DOOR, ACCESS, KIT

BIO PRINTER (FLC W/9COPY PRNTHD)
994292-0005

- 2360021-0001 COVER W/O TEAR BAR MTG HOLES
- 994500-0001 DOOR ASSY, BIO PRINTER
- 994251-0001 CONTROL + INDICATOR ASSY
- 994257-0002 AUX CONTROL+INDICATOR ASSY, F L
- 994291-0006 MECHANISM ASSY, EXP.(10CPI + 9COPY P/H)
- 994323-0001 BASE/POWER SUPPLY ASSY
- 994528-0001 DRIVER, PRINTHEAD + MOTOR
- 994340-0001 COVER, ELECTRONICS
- 994333-0001 AUX INPUT PANEL, BLANK
- 996241-0001 RIBBON, BLK MATRIX-SINGLE
- 972487-0001 JUMPER PLUG, CONNECTOR BLK
- 996289-0001 CORD SET, 3-PIN PWR BLK
- 972037-1470 NETWORK, RES 16P 47
- 994244-0002 PROCESSOR
- ~~994472-0001~~ ~~SERVICE KIT, MOD BIO PRINTER~~
- 994476-0001 WINDOW, BIO PRINTER
- 2360007-0001 DOOR, ACCESS, KIT

BIO PRINTER (VFC W/9 COPY PRINTHEAD
994292-0006

- 2360021-0001 COVER W/O TEAR BAR MTG HOLES
- 994500-0001 DOOR ASSY, BIO PRINTER
- 994251-0001 CONTROL + INDICATOR ASSY
- 994257-0003 AUX CONTL + INDICATOR ASSY, VFC
- 994313-0001 BASE/POWER SUPPLY ASSY
- 994291-0006 MECHANISM ASSY, EXP.(10CPI + 9COPY PRINTHEAD
- 994340-0001 COVER, ELECTRONICS
- 994528-0001 DRIVER, PRINTHEAD + MOTOR
- 994333-0001 AUX INPUT PANEL, BLANK
- 996241-0001 RIBBON, BLK MATRIX-SINGLE
- 972487-0001 JUMPER PLUG, CONN BLK
- 994319-0002 PROCESSOR KIT, VFC
- 996289-0001 CORD SET, 3-PIN PWR BLK
- 994244-0002 PROCESSOR
- 994411-0001 WINDOW, BIO PRINTER
- 2360007-0001 DOOR, ACCESS, KIT

BIO PRINTER (FCO)
994293-0001

- 2360021-0001 COVER W/O TEAR BAR MTG HOLES
- 994500-0001 DOOR ASSY, BIO PRINTER
- 994251-0001 CONTROL + INDICATOR ASSY
- 994257-0003 AUX CONTL + INDICATOR ASSY
- 994291-0004 MECHANISM ASSY, EXP 10 + 16.5 CPI
- 994323-0001 BASE/POWER SUPPLY ASSY
- 994528-0001 DRIVER, PRINTHEAD + MOTOR
- 994340-0001 COVER, ELECTRONICS
- 994333-0001 AUX INPUT PANEL, BLANK
- 996241-0001 RIBBON, BLK MATRIX-SINGLE
- 996289-0001 CORD SET, 3-PIN PWR BLK
- 972037-1470 NETWORK, RES 16P 47
- 994244-0002 PROCESSOR
- ~~994472-0001~~ ~~SERVICE KIT, MOD BIO PRINTER~~
- 994476-0001 WINDOW, BIO PRINTER
- 2360007-0001 DOOR, ACCESS, KIT

BIO PRINTER (VCO)
994293-0002

- 2360021-0001 COVER W/O TEAR BAR MTG HOLES
- 994500-0001 DOOR ASSY, BIO PRINTER
- 994251-0001 CONTL + INDICATOR ASSY
- 994257-0005 AUX CONTL + INDICATOR ASSY
- 994291-0004 MECHANISM ASSY, EXP. 10 + 16.5 CPI
- 994323-0001 BASE/POWER SUPPLY ASSY
- 994528-0001 DRIVER, PRINTHD + MOTOR
- 994340-0001 COVER, ELECTRONICS
- 994333-0001 AUX INPUT PANEL, BLANK
- 996241-0001 RIBBON, BLK MATRIX- SINGLE
- 996289-0001 CORD SET, 3-PIN PWR BLK
- 972037-1470 NETWORK, RES 16P 47
- 994319-0002 PROCESSOR KIT, VFC
- 994244-0002 PROCESSOR
- 994476-0001 WINDOW, BIO PRINTER
- ~~994472-0001~~ ~~SERVICE KIT, MOD BIO PRINTER~~
- 2360007-0001 DOOR, ACCESS, KIT

* INFOREX OPTIONS
994457-0001 THRU
994457-0008

* REXON OPTIONS
2360020-0001

* TRIAD OPTIONS
2360017-0001

REV STATUS OF SHEETS	REV	E	D	D
	SHEET	1	2	3	4

REV STATUS OF SHEETS REV E SHEET 1 OF 4

SEQ NO	IDENT	F-SPEC	NO	ADDITIONAL	NOTES
1	PROCESS		CLASSIFICATION		

PROCESSES — FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 720487

-1 QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES

PARTS LIST

8733
NEXT ASSY USED ON
APPLICATION

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES ANGLES ±1°; 3 PLACE DECIMALS ± .010; 2 PLACE DECIMALS ± .02
- INTERPRET DRAWING PER MIL-D-1000
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIM
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

.018 THRU .124	± .004 ± .001	.125 THRU .250	± .005 ± .001
.251 THRU .750	± .008 ± .001	.751 THRU 1.000	± .010 ± .001
		1.001 THRU 2.000	± .012 ± .001

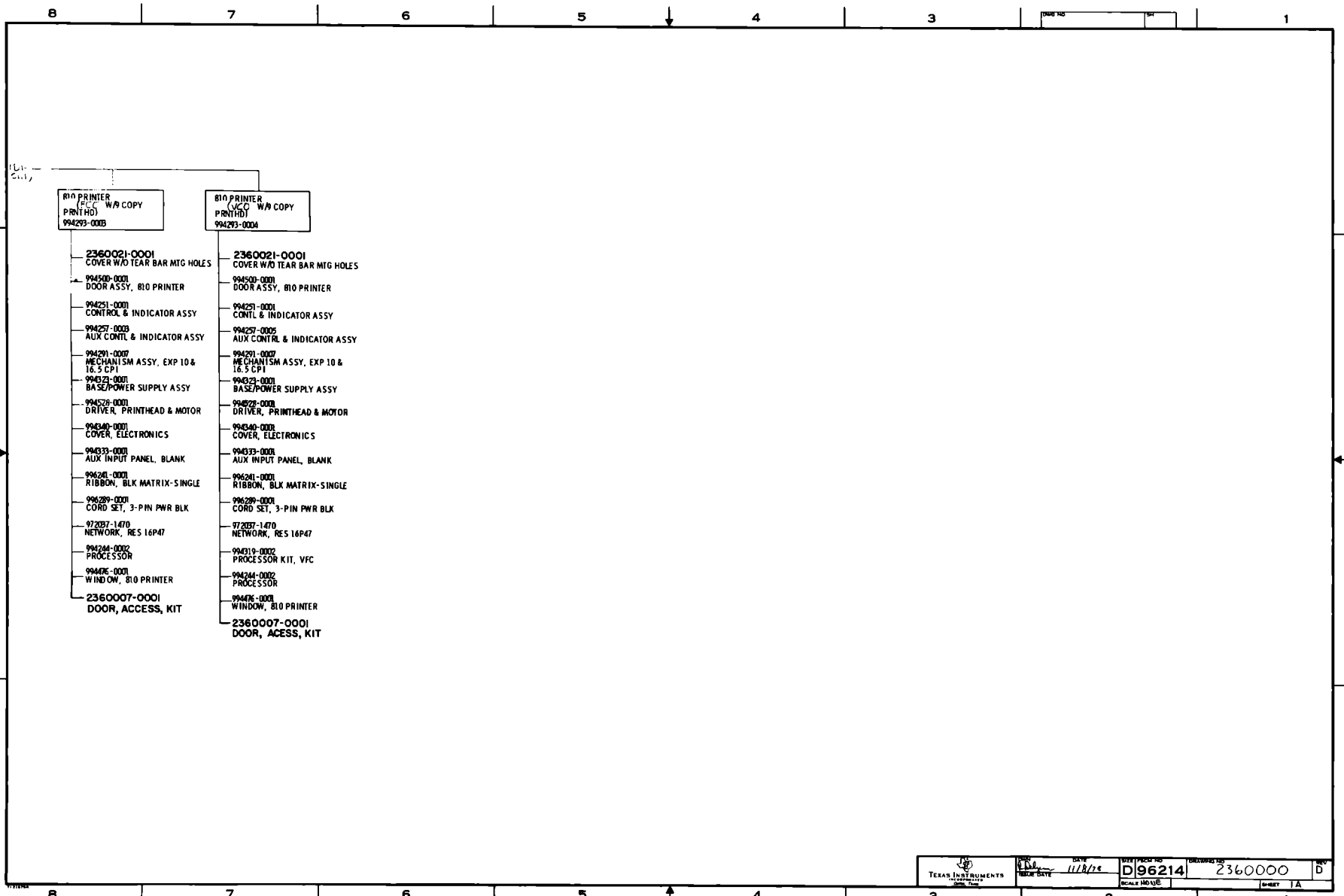
	DATE
R.Dalgren	5/11/71
R.Dalgren	5/11/71
[illegible]	5-17-78
[illegible]	5-17-78
[illegible]	5/17/78
R.Dalgren	5/17/71

TEXAS INSTRUMENTS INCORPORATED Dallas, Texas

DIAGRAM, FAMILY TREE, MOD 810 PRINTER

SIZE D | CAGE NO 96214 | DRAWING NO 2360000

SCALE NONE | SHEET 1 OF 3


810 PRINTER (VFC W/O COPY PRNTHD) 994293-0003
2360021-0001 COVER W/O TEAR BAR MTG HOLES
994500-0001 DOOR ASSY, 810 PRINTER
994251-0001 CONTROL & INDICATOR ASSY
994257-0003 AUX CONTL & INDICATOR ASSY
994291-0007 MECHANISM ASSY, EXP 10 & 16.5 CPI
994323-0001 BASE/POWER SUPPLY ASSY
994528-0001 DRIVER, PRINTHEAD & MOTOR
994340-0001 COVER, ELECTRONICS
994333-0001 AUX INPUT PANEL, BLANK
996241-0001 RIBBON, BLK MATRIX-SINGLE
996289-0001 CORD SET, 3-PIN PWR BLK
972057-1470 NETWORK, RES 16P47
994244-0002 PROCESSOR
994476-0001 WINDOW, 810 PRINTER
2360007-0001 DOOR, ACCESS, KIT
810 PRINTER (VCO W/O COPY PRNTHD) 994293-0004
2360021-0001 COVER W/O TEAR BAR MTG HOLES
994500-0001 DOOR ASSY, 810 PRINTER
994251-0001 CONTL & INDICATOR ASSY
994257-0005 AUX CONTRL & INDICATOR ASSY
994291-0007 MECHANISM ASSY, EXP 10 & 16.5 CPI
994323-0001 BASE/POWER SUPPLY ASSY
994528-0001 DRIVER, PRINTHEAD & MOTOR
994340-0001 COVER, ELECTRONICS
994333-0001 AUX INPUT PANEL, BLANK
996241-0001 RIBBON, BLK MATRIX-SINGLE
996289-0001 CORD SET, 3-PIN PWR BLK
972057-1470 NETWORK, RES 16P47
994019-0002 PROCESSOR KIT, VFC
994244-0002 PROCESSOR
994476-0001 WINDOW, 810 PRINTER
2360007-0001 DOOR, ACESS, KIT
TEXAS INSTRUMENTS
11/8/79
D 96214
2360000
D
SHEET 1A

CHARACTER SET OPTIONS			COMMENTS
OPTION DASH NUMBER FOR KIT 994395	CHARACTER SET DESCRIPTION	994434 PROM(U67) DASH NO.	
-0001	LIMITED ASCII ENGLAND W/O VFC	-0001	
-0002	LIMITED ASCII DAN/NOR W/O VFC	-0002	
-0003	LIMITED ASCII SWE/FIN W/O VFC	-0003	
-0004	LIMITED ASCII GERMANY W/O VFC	-0004	
-0008	LIMITED ASCII EXPANDED W/O VFC	-0008	-3,-4,-6 MECH ASSY ONLY
-0010	FULL ASCII U.S. W/O VFC	-0010	-1 PROCESSOR ONLY
-0011	FULL ASCII ENGLAND W/O VFC	-0011	
-0012	FULL ASCII DAN/NOR W/O VFC	-0012	
-0013	FULL ASCII S/F W/O VFC	-0013	
-0014	FULL ASCII GERMAN W/O VFC	-0014	
-0015	KATAKANA W/O VFC	-0015	(U42)3407 ROM 996279-0005
-0016	KATAKANA SPECIAL W/O VFC	-0016	(U42)3407 ROM 996279-0005
-0017	CARS SPECIAL W/O VFC	-0122	(U42)3407 ROM 996279-0005
-0019	FULL ASCII U.S. W/O VFC	-0019	-2 PROCESSOR ONLY
-0101	LIMITED ASCII ENGLAND W/VFC	-0101	
-0102	LIMITED ASCII DAN/NOR W/VFC	-0102	
-0103	LIMITED ASCII SWE/FIN W/VFC	-0103	
-0104	LIMITED ASCII GERMANY W/VFC	-0104	
-0108	LIMITED ASCII EXPANDED W/VFC	-0108	-3,-4,-6 MECH ASSY ONLY
-0111	FULL ASCII ENGLAND W/VFC	-0111	
-0112	FULL ASCII DAN/NOR W/VFC	-0112	
-0113	FULL ASCII SWE/FIN W/VFC	-0113	
-0114	FULL ASCII GERMANY W/VFC	-0114	
-0115	KATAKANA W/VFC	-0115	
-0116	KATAKANA SPECIAL W/VFC	-0116	
-0117	FULL ASCII SWEDISH SPECIAL W/VFC	-0117	
-0119	FULL ASCII U.S. W/VFC	-0119	-2 PROCESSOR ONLY
-0501	FULL ASCII UNITED AIRLINES W/O VFC	-0120	
-0502	FULL ASCII LIBRARY OF MEDICINE W/VFC	-0121	

ACCESSORY OPTIONS	
PART NUMBER	DESCRIPTION
0994406-0001	KIT, ELAPSED-TIME INDICATOR
0994509-0001	KIT, TEAR BAR
0996241-0002	RIBBON, BLACK NYLON MATRIX
0994442-0001	PAPER BASKET KIT, TERMINAL
0994399-0001	EXTENDER BOARD
0414127-0001	CONNECTOR, PLUG, ELECTRICAL
0994386-9701	MAINTENANCE MANUAL, 810 PRINTER
0994445-0001	KIT, BAUD RATE OPTION
	POWER CABLES
0996289-0001	CORD SET, POWER - DOMESTIC
0994510-0001	CORD SET, POWER - TWIST LOCK
0996290-0001	CORD SET, POWER - WESTERN EUROPE
0996290-0002	CORD SET, POWER - WESTERN EUROPE (WITHOUT CANADA PLUG) (WITH BODY PLUG)
0996695-0001	CORD SET,PWR-W/O PLUG (INTERNATIONAL)
	INTERFACE CABLES
0993204-0001	103/113 DATA SET CABLE ASSY
0993205-0001	202/212 DATA SET CABLE ASSY
0993210-0001	DATA TERMINAL CABLE ASSY
0969626-0001	CABLE ASSY, EIA - 742
0959372-0001	CABLE ASSY, EIA INTERFACE
0959372-0002	CABLE ASSY, 1200 BAUD
0980848-0001	CABLE ASSY, EIA (103A) I/F
0975056-0010	CABLE ASSY, EXTENSION EIA
0975056-0020	CABLE ASSY, EXTENSION EIA
0993211-0001	CABLE ASSY, EIA EXTENSION
0973265-0001	CABLE ASSY, 742 AUX EIA I/F

TEXAS INSTRUMENTS	DWN DATE / ISSUE DATE	SIZE D	PROM NO 96214	DRAWING NO 2360000	REV D
		SCALE NONE		SHEET 2	

MC-810 CONFIGURATION CHART

	810 P/N										I.F. OPTIONS						
	994292						994293				I.F. OP 994401-0002	994402 -0001	994511 -0001	994512 -0001	994513 -0001	994445 -0001	COMMENTS
	-0001 BSC	-0002 FLC	-0003 VFC	-0004 BSC W/ACPH	-0005 FLC W/ACPH	-0006 VFC W/ACPH	-0001 FCO	-0002 VCO	-0003 FCO W/ACPH	-0004 VCO W/ACPH	T.I. COMP	TTY OP	LBE [1]	LBT [1]	LBP [1]	BAUD RATE	
DRIVE MECHANISM 994291-0003	X	X	X														
994291-0004							X	X									
994291-0006				X	X	X											
994291-0007									X	X							
AUX CNTL PNL 994257-0001	X			X													
994257-0002		X			X												
994257-0003							X		X								
994257-0004			X			X											
994257-0005								X		X							
PROCESSOR KIT 994319-0002			X			X		X									ADD U25, U42, & BATTERY IN STALL 994434-0100 IF NO CHAR. SET PROM CALLED OUT
BOARDS (OPTION) 994305-0001												X					
994509-0001															X		
994509-0002													X	X			
CABLES 994359-0001											X						
994359-0002															X		
994361-0001												X		X			
RESISTOR PACK 972097-1407	X	X	X	X	X	X	X	X	X	X	X	REMOVE	REMOVE	REMOVE	REMOVE	X	LOCATED IN XU1 OF MOTHER BOARD
JUMPER PLUG 972487-0001	X	X	X	X	X	X											ON MOTHER BOARD E1 to E2 E3 to E4
I/O CHIP TMS6504																X	RATES: 100, 200, 300, 1200, 600, 2400, 9600

PROM 994434 (KIT 994395)

	CHARACTER SET OPTION			
	W/O VFC		W/VFC	
	L ASC	F ASC	L ASC	F ASC
UK	-0001	-0011	-0101	-0111
DN	-0002	-0012	-0102	-0112
SW	-0003	-0013	-0103	-0113
GRL	-0004	-0014	-0104	-0114
EXP	-0008		-0108	
US		-0019		-0119
SWED SPC				-0117
UAL		-0120		
LIB OF MED				-0121
KATAKANA	-0015 [2]		-0015	
KATAKANA SPECIAL	-0016 [2]		-0016	
CARS SPC	-0122 [2]			

INSTALL THE ABOVE PROMS'S IN U67 OF PROCESSOR 994244-2 WHEN CALLED OUT.

LINE VOLTAGE SELECTION			
100V	120V	220V	240V
5.0AMP	5.0AMP	2.5AMP	2.5AMP
416434 -0503	416434 -0503	416434 -0004	416434 -0004

NOTE: [1] ON ASSY NO 994244-2 REV P OR LATER: INSTALL JUMPER PLUGS FROM E11 TO E12 AND E13 TO E15. ON REV N, REMOVE NETWORK SN7404 FROM U11 SOCKET AND CLIP NETWORK PIN 2 + 6. INSTALL IN SOCKET U11.

NOTE: [2] INSTALL ROM (0996279-0005) IN SOCKET U42 OF PROCESSOR BOARD 994244-2.

TEXAS INSTRUMENTS — DRAWN 7/9/81 — SIZE D — PROJ NO 96214 — DRAWING NO 2360000 — REV D — SCALE NONE — SHEET 3

PROCESSOR JUMPERS
994244-2

	DISABLE OPTION (STD)	ENABLE OPTION
NDE	E2 to E3	E1 to E2
DNB	E4 to E5	E5 to E6
IRC	E8 to E9	E7 to E8
LBE	E10 TO E11 E13 TO E14	E11 TO E12 E12 TO E15
DCC	E17 TO E18	E17 TO E16

LBO JUMPERS (REV. D)
994503

	DISABLE OPTION (STD)	ENABLE OPTION
GED	NO JUMPER	E27 to E28
HDP	E29 to E30	E25 to E26 E13 to E14
DSC	E1 to E2	E2 to E3
BRO	E4 to E5	E5 to E6
DNB	E8 to E9	E7 to E8
IRC	E10 to E11	E11 to E12
GDS	E19 to E20	E20 to E21

LBO JUMPERS (REV. E)
994503

	DISABLE OPTION (STD)	ENABLE OPTION
LBE	E32 to E33	E26 to E34
GED	E28 to E31	E27 to E28
HDP	E29 to E30 E32 to E33	E25 to E26 E13 to E14
DSC	E1 to E2	E2 to E3
BRO	E4 to E5	E5 to E6
DNB	E8 to E9	E7 to E8
IRC	E10 to E11	E11 to E12
GDS	E19 to E20	E20 to E21

MOTHERBOARD JUMPER
(SIGNAL/POWER GROUND ISOLATION)

	DISABLE OPTION (STD)	ENABLE OPTION
ISO	E6-E7	CUT JUMPER

MOTHERBOARD CAPACITOR OPTION
(SIGNAL/POWER GROUND ISOLATED BY CAPACITOR)

	DISABLE OPTION (STD)	ENABLE OPTION
ISC	E6-E7	ADD 3900 PF CAP

BELOW IS A LIST OF OPTIONS WITH SUBOPTIONS THAT ARE ALLOWED. ANY OTHER COMBINATIONS ARE NOT ALLOWED AND WILL BE FAILED AT SYSTEM TEST.

SUBOPTION	
NDE	CANNOT BE USED WITH ANY LINE BUFFER CONFIGURATION
OPTION	ALLOWED SUBOPTIONS
LBE	IRC *DSC DNB *GDS *BRO *GED
LBT	*BRO *DSC *HDP *GDS
LBP	*DSC *GDS

*THESE SUBOPTIONS ARE ONLY FOR LINE BUFFER OPTION

NOTES: UNLESS OTHERWISE SPECIFIED:

[1] DNB MUST BE STRAPPED ON PROCESSOR BOARD FOR UAL MACHINES

[2]

SWITCH	1	2	3	4	5	6	7
SETTING	OFF	OFF	ON	OFF	OFF	ON	ON

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
D	CN58905 (C) R DOLGENER	1-24-84	J.D Gallion
E	CN58484 (C) R DOLGENER 2/23/84	2/23/84	R. Hurl

PART NUMBER	STANDARD CONFIGURATIONS(WHICH MAY BE REPLACED BY OPTIONAL CONFIGURATIONS)	OPTIONAL CONFIGURATIONS(WHICH MAY BE SELECTED TO REPLACE STANDARD CONFIG)	OPTION NAME	WHERE STRAPPED	JUMPER LOCATION TO DISABLE OPTION (STANDARD)	JUMPER LOCATION TO ENABLE OPTION	COMMENTS
2360026-0001	RECEIPT OF DEL CHARACTER CLEARS THE BUFFER	NO ACTION TAKEN BY PRINTER ON RECEIPT OF DEL CHARACTER	NDE	PROCESSOR	E2 TO E3	E1 TO E2	
-0002	DTR BROUGHT HIGH TO INDICATE PRINTER ON LINE ONLY	DTR BROUGHT HIGH TO INDICATE PRINTER ON LINE AND NOT BUSY	DNB	PROCESSOR	E4 TO E5	E5 TO E6	IF NO LINE BUFFER OPTIONS REQUIRED [1]
-0003	REVERSE CHANNEL HELD HIGH TO INDICATE "NOT BUSY"	REVERSE CHANNEL HELD LOW TO INDICATE "NOT BUSY"	IRC	PROCESSOR	E8 TO E9	E7 TO E8	IF NO LINE BUFFER OPTIONS REQUIRED
-0004	PRINTER WILL RECOGNIZE DC1/DC3 CHARACTERS FOR ONLINE/OFFLINE CONTROL	PRINTER WILL IGNORE DC1/DC2	DCO	PROCESSOR	E11 TO E10	E11 TO E10	
-0005	AFTER GOING BUSY, PRINTER WILL ACCEPT AT LEAST 5 CHARACTERS	AFTER GOING BUSY, PRINTER WILL IGNORE ALL CHARACTERS EXCEPT "DEL"	GED	LINE BUFFER	E28 TO E31	E27 TO E28 E20 TO E21	LBO NEEDED
-0006	LINE BUFFERED TTY PRINTER USES FULL-DUPLEX ONLY	LINE BUFFERED TTY PRINTER ALLOWS HALF-DUPLEX OPERATION ONLY	HDP	LINE BUFFER	E29 TO E30 E32 TO E33	E25 TO E26 E13 TO E14 E20 TO E21	LBO NEEDED
-0007	PRINTS BUFFER CONTENTS ON RECEIPT OF CR OR 132 PRINTABLE CHARACTERS	PRINTS BUFFER CONTENTS ON RECEIPT OF LF, FF, VT, OR DC2 IN ADDITION TO STANDARD PERFORMANCE	DSC	LINE BUFFER	E1 TO E2	E2 TO E3	LBO NEEDED
-0008	LINE BUFFERED DTR BROUGHT HIGH TO INDICATE PRINTER ON LINE ONLY	LINE BUFFERED DTR BROUGHT HIGH TO INDICATE PRINTER ON LINE AND NOT BUSY	DNB	LINE BUFFER	E8 TO E9	E7 TO E8	LBO NEEDED DISABLE PROCESSOR DNB [1]
-0009	LINE BUFFERED REVERSE CHANNEL HELD HIGH TO INDICATE "NOT BUSY"	LINE BUFFERED REVERSE CHANNEL HELD LOW TO INDICATE "NOT BUSY"	IRC	LINE BUFFER	E10 TO E11	E11 TO E12	LBO NEEDED DISABLE PROCESSOR IRC
-0010	AFTER GOING BUSY, PRINTER WILL ACCEPT AT LEAST 5 CHARACTERS	AFTER GOING BUSY, PRINTER WILL IGNORE ALL CHARACTERS EXCEPT "DEL"	BDS	LINE BUFFER	E19 TO E20	E20 TO E21	LBO NEEDED
OBSLETE -0011	~~SIGNAL AND SAFETY GROUND ARE COMMON~~	~~SIGNAL AND SAFETY GROUND ARE ISOLATED~~	~~ISO~~	~~MOTHERBD~~	~~E6 TO E7~~	~~CUT OR REMOVE JUMPER~~	
-0012	SIGNAL AND SAFETY GROUND ARE COMMON	SIGNAL AND SAFETY GROUND ARE ISOLATED BY A CAPACITOR	ISC	MOTHERBD	E6 TO E7	REMOVE JUMPER E6 TO E7	
-0013	120 V POWER INPUT	100 V POWER INPUT	100	PWR MODULE			"INSTALL FUSE LABEL"
-0014	120 V POWER INPUT	220V POWER INPUT	220	PWR MODULE		FUSE 2.5A(416434-0004)	FUSE CHANGED AND PWR CORD MUST BE SPECIFIED "INSTALL FUSE LABEL"
2360026-0015	120 V POWER INPUT	240V POWER INPUT	240	PWR MODULE		FUSE 2.5A(416434-0004)	
-0016	UNITED STATES FULL ASCII(FUL	UNITED KINGDOM FULL ASCII	UKF	810 LQ UPGRADE BD	R1, R2, R3, R4 INSTALLED	R1, R2, R4 INSTALLED R3 REMOVED	USE ONLY WITH LQ UPGRADE BOARD 2252575-0001
-0017		GERMAN FULL ASCII	GRF			R1, R2 INSTALLED R3, R4 REMOVED	
-0018	UNITED STATES FULL ASCII	SPAIN FULL ASCII	SPF	810 LQ UPGRADE	R1, R2, R3, R4 INSTALLED	R1, R3, R4 INSTALLED R2 REMOVED	USE ONLY WITH LQ UPGRADE BOARD 2252575-0001

PARTS LIST

ITEM NO	QTY	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES ARE ±
  - 2 PLACE DECIMALS = .010
  - 3 PLACE DECIMALS = .005
- INTERPRET DRAWING PER ANSI Y14.5M
- BREAK ALL SHARP EDGES
- CONNECTIVITY MACHINED CHARACTERS ARE FOR DIMENSIONAL LIMITS APPLY GAGING PROCEDURE
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

.XXX ±.005	.XXX ±.003	.XXX ±.002
.XXX ±.010	.XXX ±.005	.XXX ±.003

NEXT ASSY	USED ON
	8733

APPLICATION

	NAME	DATE
DRAWN	R Dolgener	12/8/79
CHECKED	R Dolgener	12/20/79
ENGR/ART		
PROJ ENGR		12-20-79
MFG ENGR		
QUALITY		
MATERIAL		1/4/80

TEXAS INSTRUMENTS INCORPORATED, Austin, Texas

OPTION INDEX.
810 PRINTER

PROD NO	DRAWING NO
D96214	2360026

SCALE NONE | SHEET 1 OF 2

NEXT ASSY	PROCESS	FINISH	NO	ADDITIONAL CLASSIFICATION	NOTES

REV STATUS OF SHEETS: REV E E; SH 1 2

ACCESS — FOR CORRELATION TO SOFTWARE SPECIFICATIONS, SEE TI DRAWING 2360027

9-293

E 15

300

DB LM

PART NUMBER	STANDARD CONFIGURATIONS (WHICH MAY BE REPLACED BY OPTIONAL CONFIGURATIONS)	OPTIONAL CONFIGURATIONS (WHICH MAY BE SELECTED TO REPLACE STANDARD CONFIGURATIONS)	OPTION MNEM	WHERE STRAPPED	JUMPER LOCATION TO DISABLE OPTION (STANDARD)	JUMPER LOCATION TO ENABLE OPTION	COMMENTS
2360026-0019	UNITED STATES FULL ASCII	SWEDEN/FINLAND FULL ASCII	SWF	810 LQ UPGRADE BD	R1, R2, R3, R4 INSTALLED	R1, R3 INSTALLED R2, R4 REMOVED	USE ONLY WITH LQ UPGRADE BOARD 2232575-0001
-0020	↑	DENMARK/NORWAY FULL ASCII	DNF	↑	↑	R1, R4 INSTALLED R2, R3 REMOVED	↑
-0021	↑	SWISS FULL ASCII	SZF	↑	↑	R1 INSTALLED R2, R3, R4 REMOVED	↑
-0022	↑	FRENCH WORD PROCESSING	FWF	↑	↑	R2, R3, R4 INSTALLED R1 REMOVED	↑
-0023	UNITED STATES FULL ASCII	FRENCH CANADIAN FULL ASCII	FCF	810 LQ UPGRADE BD	R1, R2, R3, R4 INSTALLED	R1, R2, R3 INSTALLED R4 REMOVED	USE ONLY WITH LQ UPGRADE BOARD 2232575-0001
-0024	DTR BROUGHT HIGH TO INDICATE PRINTER ONLINE ONLY REVERSE CHANNEL HELD HIGH TO INDICATE "NOT BUSY"	DTR BROUGHT HIGH TO INDICATE PRINTER ONLINE AND NOT BUSY REVERSE CHANNEL HELD LOW TO INDICATE "NOT BUSY"	DNB IRC	PROCESSOR PROCESSOR	E4 TO E5 E8 TO E9	E5 TO E8 E7 TO E8	2400 BAUD, IGNORE PARITY, AUTO LINEFEED OVERRIDE ON, AUTO PERF SKIP OVERRIDE ON, VFC POSITION 1 [2]

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
2360026-0001	E	NDE OPTION

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00000.000	0994244-0002	PROCESSOR, 810 1225-2244-999	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
2360026-0002	E	DNB OPTION

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00000.000	0994244-0002	PROCESSOR, 810 1225-2244-999	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
2360026-0003	E	IRC OPTION

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00000.000	0994244-0002	PROCESSOR, 810 1225-2244-999	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
2360026-0004	E	DCO OPTION

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00000.000	0994244-0002	PROCESSOR, 810 1225-2244-999	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
2360026-0005	E	GED OPTION

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00000.000	0994503-0002	LINE BUFFER, SERIAL INTERFACE- 810 PRTR 1225-2503-048	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
2360026-0006	E	HDP OPTION

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00000.000	0994503-0002	LINE BUFFER, SERIAL INTERFACE- 810 PRTR 1225-2503-048	EA

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
2360026-0007	E	DSC OPTION

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00000.000	0994503-0002	LINE BUFFER, SERIAL INTERFACE- 810 PRTR 1225-2503-048	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
2360026-0008	E	DNB OPTION

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00000.000	0994503-0002	LINE BUFFER, SERIAL INTERFACE- 810 PRTR 1225-2503-048	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
2360026-0009	E	IRC OPTION

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00000.000	0994503-0002	LINE BUFFER, SERIAL INTERFACE- 810 PRTR 1225-2503-048	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
2360026-0010	E	GDS OPTION

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00000.000	0994503-0002	LINE BUFFER, SERIAL INTERFACE- 810 PRTR 1225-2503-048	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
2360026-0011	E	PART NUMBER NOT AN ASSEMBLY

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM

05/12/84

PART NUMBER	REV	DESCRIPTION
2360026-0012	E	ISC OPTION

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00000.000	0994531-0002	MOTHERBOARD,810 PRINTER 1225-2531-198	EA

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
2360026-0013	E	100V POWER INPUT

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00000.000	0994461-0001	AC POWER MOD ASSY,W/EMI FILTER 1225-1461-111	EA
0003	00001.000	2360042-0001	LABEL,FUSE WARNING 1225-0000-000	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
2360026-0014	E	220V POWER INPUT

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00000.000	0994461-0001	AC POWER MOD ASSY,W/EMI FILTER 1225-1461-111	EA
0002	00001.000	0416434-0004	FUSE 2.5 AMP 250 VOLTS	EA
0003	00001.000	2360042-0001	LABEL,FUSE WARNING 1225-0000-000	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
2360026-0015	E	240V POWER INPUT

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00000.000	0994461-0001	AC POWER MOD ASSY,W/EMI FILTER 1225-1461-111	EA
0002	00001.000	0416434-0004	FUSE 2.5 AMP 250 VOLTS	EA
0003	00001.000	2360042-0001	LABEL,FUSE WARNING 1225-0000-000	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
2360026-0016	E	UKF (810 LQ) OPTION

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00000.000	2232575-0001	LETTER QUALITY,2ND GENERATION - 810 1225-1575-012	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
2360026-0017	E	GRF (810 LQ) OPTION

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00000.000	2232575-0001	LETTER QUALITY,2ND GENERATION - 810 1225-1575-012	EA

List of Materials

05/12/84

PART NUMBER	REV	DESCRIPTION
2360026-0018	E	SPF (810 LC) OPTION

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00000.000	2232575-0001	LETTER QUALITY,2ND GENERATION - 810 1225-1575-012	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
2360026-0019	E	SWF (810 LC) OPTION

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00000.000	2232575-0001	LETTER QUALITY,2ND GENERATION - 810 1225-1575-012	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
2360026-0020	E	DNF (810 LC) OPTION

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00000.000	2232575-0001	LETTER QUALITY,2ND GENERATION - 810 1225-1575-012	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
2360026-0021	E	SZF (810 LC) OPTION

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00000.000	2232575-0001	LETTER QUALITY,2ND GENERATION - 810 1225-1575-012	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
2360026-0022	E	FWF (810 LC) OPTION

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00000.000	2232575-0001	LETTER QUALITY,2ND GENERATION - 810 1225-1575-012	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
2360026-0023	E	FCF (810 LC) OPTION

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00000.000	2232575-0001	LETTER QUALITY,2ND GENERATION - 810 1225-1575-012	EA

05/12/84

PART NUMBER	REV	DESCRIPTION
2360026-0024	E	DNB, IRC OPTION

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00000.000	0994244-0002	PROCESSOR, 810 1225-2244-999	EA

DWG NO 2360091 SH

APPLICATION	
NEXT ASSY	USED ON
	8733

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	CN491440(D) D HOWARD	8-3-82	D. Stan[illegible]
	(1) ADDED IT 6,7,8,9,10, & 11 TO -1 LM		
B	CN487196(D)D. MOSELEY	5/16/83	JD DODSON

NOTES: UNLESS OTHERWISE SPECIFIED

1. THE 2360091-1 KIT CONTAINS ONLY THE UNITED STATES (DOMESTIC) CHARACTER SET. THE 2360091-2 KIT CONTAINS THE UNITED STATES AND INTERNATIONAL CHARACTER SETS.
2. FOR -2 KITS, THE ROM/EPROM IN XU14 OF ASSY 2232575 IS TO BE EXCHANGED WITH THE STANDARD 8080 FIRMWARE ROM OF THE 810 PROCESSOR BOARD (ASSY PN 994244; ROM PN 996488-2, LOCATION U36). THE STANDARD 8080 ROM SHOULD BE PLACED INTO XU14 OF ASSEMBLY 2232575 FOR FUTURE USE.
3. FOR -2 KITS ONLY, PLACE ASSEMBLY 2232575 (SECOND GENERATION HALF SIZE) INTO ASSEMBLY 994531 IN LOCATION XA3-P2.

PART NUMBER	DESCRIPTION
2360091-8002	FIELD INSTALL KIT, 810 2ND GEN LQ - SPARES
2360091-8001	FIELD INSTL KIT, 810 LTR QUALITY - SPARES
2360091-0002	FIELD INSTALLATION KIT, 810 2ND GEN LQ
2360091-0001	FIELD INSTALLATION KIT, 810 LTR QUALITY

REV

SHEET

REV STATUS OF SHEETS — REV / SHEET

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN MILLIMETERS
- TOLERANCES: ANGLE ±1°, 1 PLACE DECIMALS ±0.5, 2 PLACE DECIMALS ±0.25
- PARENTHETICAL INFO FOR REF ONLY

THIRD ANGLE PROJECTION

		DATE
DWN	P. CARTER	5/3/82
CHK	S. DODSON	5/3/82
ENGR	[illegible]	
APVD ENGR	[illegible]	5-5-82
QA	[illegible]	5-10-82
APVD MFG	[illegible]	
RLSE	S Dodson	5/19/82

TEXAS INSTRUMENTS INCORPORATED
Digital Systems Group

SI-METRIC

FIELD INSTALLATION KIT,
810 LETTER QUALITY

SIZE A | FSCM NO 06668 | DRAWING NO 2360091

SCALE NONE | SHEET

TI-25739 300

FILMED LM

List of Materials

01/28/84

PART NUMBER	REV	DESCRIPTION
2360091-0001	B	FIELD INSTALLATION KIT,810 LTR QUALITY

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2360095-0001	PWB ASSY, 810 LQ (FULL-SIZE) 1225-1095-016	EA
0002	00001.000	2360090-9701	810 LETTER QUALITY USER MANUAL 1225-0090-000	EA
0003	00001.000	0994207-0002	MOTOR ASSY,810 LQ, PAPER DRIVE 1225-2207-019	EA
0004	00001.000	0994351-0001	LABEL,CONFIGURATION 1225-1351-000	EA
0005	00000.007	0231792-0004	COLOR DOT,YELLOW.250 DIA. 085480-QD25 YELLOW	SH
0006	00001.000	2217374-0002	PRINTHEAD ASSY,UNIVERSAL -810 1225-2374-000	EA
0007	00001.000	2360075-0001	STRAP,GND,EIA CONN & PAPER BASKET 1680-0075-049	EA
0008	00001.000	0994438-0002	BRACKET,RIGHT-STATIC-GRD 1680-2438-073	EA
0009	00001.000	0999941-0001	CABLE, GROUND-PAPER BASKET-STAND 1225-1941-062	EA
0010	00001.000	0999940-9701	MANUAL, PAPER BASKET-STAND 1225-9940-000	EA
0011	00001.000	0994441-9701	MANUAL PAPER BASKET-TERMINAL 1225-4441-000	EA

01/28/84

PART NUMBER	REV	DESCRIPTION
2360091-0002	B	FIELD INSTALLATION KIT,810 2ND GEN LQ

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2232575-0001	LETTER QUALITY,2ND GENERATION - 810 1225-1575-010	EA
0002	00001.000	2360090-9701	810 LETTER QUALITY USER MANUAL 1225-0090-000	EA
0003	00001.000	0994207-0002	MOTOR ASSY,810 LQ, PAPER DRIVE 1225-2207-019	EA
0004	00001.000	0994351-0001	LABEL,CONFIGURATION 1225-1351-000	EA
0006	00001.000	2217374-0002	PRINTHEAD ASSY,UNIVERSAL -810 1225-2374-000	EA
0007	00001.000	2360075-0001	STRAP,GND,EIA CONN & PAPER BASKET 1680-0075-049	EA
0008	00001.000	0994438-0002	BRACKET,RIGHT-STATIC-GRD 1680-2438-073	EA
0009	00001.000	0999941-0001	CABLE, GROUND-PAPER BASKET-STAND 1225-1941-062	EA
0010	00001.000	0999940-9701	MANUAL, PAPER BASKET-STAND 1225-9940-000	EA
0011	00001.000	0994441-9701	MANUAL PAPER BASKET-TERMINAL 1225-4441-000	EA
0012	00001.000	0994294-0001	CARD GUIDE,CENTER 1255-0028-013	EA
0013	00002.000	0996225-0001	FASTENER,PUSHNUT,REMOVABLE .185/.190 DIA PAL - PZ001935	EA

List of Materials

01/28/84

PART NUMBER	REV	DESCRIPTION
2360091-8001	B	FIELD INSTL KIT,810 LTR QUALITY - SPARES

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2360091-0001	FIELD INSTALLATION KIT,810 LTR QUALITY 1225-9091-000	EA

01/28/84

PART NUMBER	REV	DESCRIPTION
2360091-8002	B	FIELD INSTALL KIT,810 2ND GEN LQ-SPARES

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2360091-0002	FIELD INSTALLATION KIT,810 2ND GEN LQ 1225-2091-000	EA

NOTES: UNLESS OTHERWISE SPECIFIED:

[1] POSITION JUMPERS (ITEM 30) PER TABLE I AND PRINTER TYPE.

~~[2] JUMPER WIRE (ITEM 37) INSTALLED BETWEEN PWA LAND & CW HRD POSITION~~

[3] LOCATE LABEL (ITEM 36) IN LOWER RIGHT HAND CORNER OF PC BOARD IN APPROXIMATE LOCATION AS SHOWN

~~[4] JUMPERS WILL BE IDENTIFIED ON THE SALES ORDER~~

5. MAXIMUM LEAD LENGTH TO BE 2.03 MM FROM CONDUCTOR SIDE OF BOARD

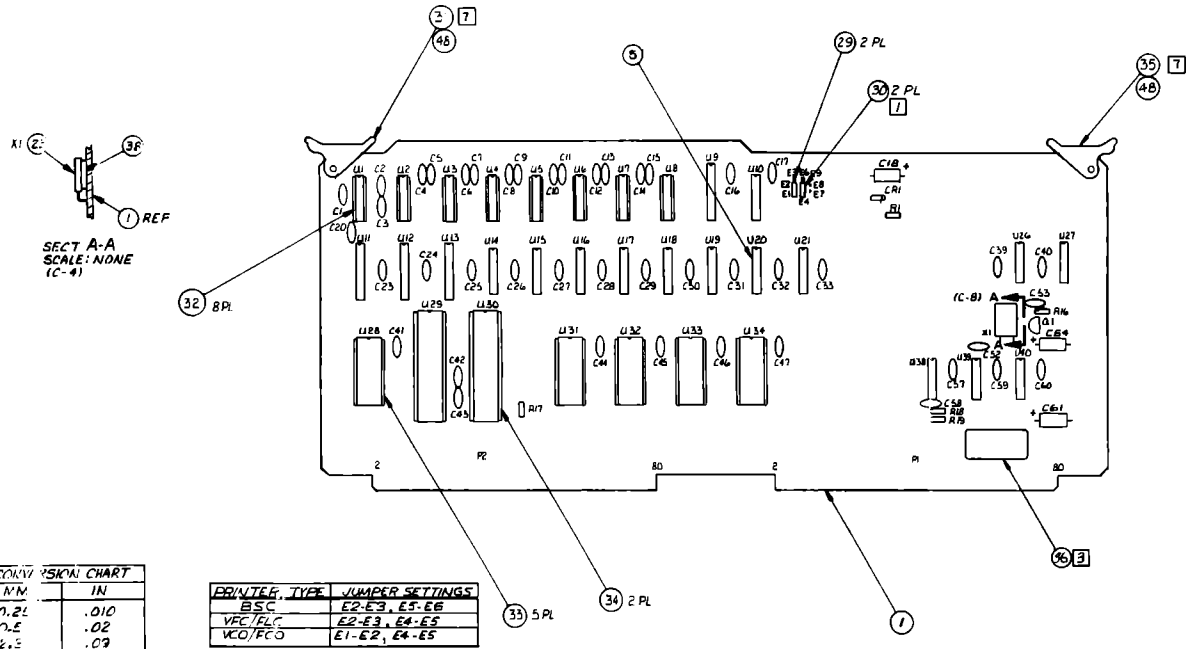
6. CAUTION: THIS ASSEMBLY AND COMPONENTS ARE SUSCEPTIBLE TO DAMAGE FROM ELECTROSTATIC DISCHARGE. PERSONAL AND EQUIPMENT GROUNDING AND PROTECTIVE PACKAGING ARE REQUIRED

[7] INSTALL EJECTORS (ITEMS 31 AND 35) AFTER PROCESS 2

DWG NO 2360095 SH

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	CN487166(D) SDolan (1)-1 LM ITEM 36 WAS QTY 1	8-5-82	JDDolan
B	CN468966(C) SDolan (1)-1 LM: DELETED ITEM 11, ADDED ITEM 40, 41, 42, 43 AND 44 (2) NOTE 1 WAS ...TABLE I. (3) DELETED NOTE 4	8-5-82	JDDolan
C	CN49473(B) MNash (1) ON -0001 LM, REVISED ITEM 36 AND ITEMS 40-44 (2) ON -1 LM, DELETED ITEM 37 (3) ON -5001 LM, ADDED U20 TO ITEM 5	2/1/83	RDelgaun
D	CN503596(C) TM Nuckles (1) ON -5001 LM; ITEM 6 WAS P/N 972686-1	2/11/83	RDelgaun
E	CN503589(B) TM Nuckles (1) ON -1 LM, ITEMS 40 - 43 WERE REVISED	2/1/83	RDelgaun
F	CN506202(C) MNash (1) ON -5001 LM, ITEM 6 WAS P/N 2210662-1	2/11/83	RDelgaun
G	CN507024(C) SDolan (1) -5001 LM: ITEM 4 QTY WAS 4, ITEM 5 QTY WAS 5, DELETED ITEM 5 (2) -1 LM: ADDED ITEM 45, 46 AND 47	3-25-83	
H	CN491467(B) SDolan (1) -1 LM: ITEM 40 WAS 2230485-3	3-25-83	
J	CN498764(B) REX KARL (1) -1 LM: ITEM 41 WAS 2230486-1 ITEM 43 WAS 2230486-13	5-16-83	JDDolan
K	CN505431(D) PRUNTON (1) ON -8001 LM ADDED ITEM 2 AND ITEM 3 QTY WAS 1.00	8-23-83	
L	CN505747(B) PRUNTON (1) ON -0001 ITEM 40 P/N WAS 2230485-3004	8-23-83	
M	CN506784(D) PRUNTON (1) ON -8001 LM ADDED ITEM 46 (2) CHANGE TITLE ON -0001 & -8001	8-23-83	
N	CN506787(B) PRUNTON (1) ON -0001 LM ITEMS 41, 42, 43 & 44 P/N'S WERE 2230486-21, 2230486-0006, 2230486-0023 & 2230486-0008	8-23-83	



CONVERSION CHART	
MM	IN
0.25	.010
0.5	.02
2.3	.09
12.7	.50
2.03	.080

PRINTER TYPE	JUMPER SETTINGS
BSC	E2-E3, E4-E5
VFC/FLC	E2-E3, E4-E5
VCO/FCO	E1-E2, E4-E5

JUMPER POSITIONS FOR STANDARD ASSY-E1-E2, E4-E5 (VCO/FCO)

TABLE I [1]

2360095-5001	AUTO INSERTED PARTS LIST FOR -0001
2360095-0001	PWB ASSY, 310 CHARACTER (FULL SET)
PART NUMBER	DESCRIPTION

ITEM NO	QTY -3	QTY -2	QTY -1	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	NOTES
3				SLDR	127-01	00		
2				SLDR	124-02	00		
1				MARK	902-01	01	HGT 2.3, CLR BLK	[3]

PARTS LIST

SEQ NO	IDENT	PSPEC	NO	ADDITIONAL CLASSIFICATION	NOTES
				PROCESS	

PROCESSES — FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 729487

REV STATUS OF SHEETS | REV | SH

994293	8733
994292	8733
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN MILLIMETERS
- TOLERANCES: 3 PLACE DECIMALS ±0.25; 1 PLACE DECIMALS ±0.5; ANGLES ±1°
- INTERPRET DRAWING PER ANSI Y14.5M-1982
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS 0.25 FIM
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSING
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCES

0.33 THRU 3.18	+0.10 -0.03
3.20 THRU 9.35	+0.13 -0.03
9.38 THRU 12.70	+0.18 -0.03
12.73 THRU 19.05	+0.20 -0.03
19.08 THRU 25.40	+0.25 -0.03
25.43 THRU 50.80	+0.30 -0.03

THIRD ANGLE PROJECTION

DRAWN 3-30-82
CHK 5-28-82
ENGR 6-1-82
PROJ 6-1-82
MFG 6-2-82
QUAL 6/1/82
MATL CONTROL Rdelgaun 6/2/82

TEXAS INSTRUMENTS — SI-METRIC

LETTER QUALITY ASSEMBLY-810

SIZE D | PROJECTED 06668 | DRAWING NO 2360095

SCALE 1:1 | SHEET

320

FILM LM

List of Materials

01/28/84

PART NUMBER	REV	DESCRIPTION
2360095-0001	N	PWB ASSY, 810 LQ (FULL-SIZE)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0002	REF	2360097-0001	DIAGRAM,LOGIC,LETTER QUALITY PRINTER-810	EA
0003	00008.000	0996680-0003	IC,TMS4116-15/ZA1137,16K DYNAMIC RAM	EA
			001295-TMS4116-15	
0003A			U1,U2,U3,U4,U5,U6,U7,U8	
			001295-TMS4116-15	
0012	00001.000	2210972-0001	IC,PARALLEL I/O CONTROLLER	EA
			SEE TI- DRAWING	
0012A			U29	
			SEE TI- DRAWING	
0013	00001.000	2210301-0001	IC, MICROPROCESSOR, CPU	EA
			056708-Z80A-CPU-PS	
0013A			U30	
			056708-Z80A-CPU-PS	
0016	00003.000	0972924-0018	CAP FIX TANT SOLID 6.8 UFD 10 % 35 VOLT	EA
			QPL -M39003/1-2304	
0016A			C18,C54,C61	
			QPL -M39003/1-2304	
0017	00041.000	0530953-0001	CAP,FIX,CERAMIC .01 MF 50V 80-20%	EA
			CRL - CK103	
0017A			C1,C2,C3,C4,C5,C6,C7,C8,C9	
			CRL - CK103	
0017B			C10,C11,C12,C13,C14,C15,C16	
			CRL - CK103	
0017C			C17,C20,C23,C24,C25,C26,C27	
			CRL - CK103	
0017D			C28,C29,C30,C31,C32,C33,C39	
			CRL - CK103	
0017E			C40,C41,C42,C43,C44,C45,C46	
			CRL - CK103	
0017F			C47,C57,C59,C60	
			CRL - CK103	
0018	00001.000	0410529-0102	CAP FIX CERAMIC .001 MF 10% 1 KV	EA
			CRL - DD-102	
0018A			C58	
			CRL - DD-102	
0019	00001.000	0972929-0367	CAP FIX CERAMIC 22.0 PF 10 % 200 V	EA
			QPL -M39014/01-1367	
0019A			C52	
			QPL -M39014/01-1367	
0020	00001.000	0972926-0024	CAP FIX MICA 500V 75.0 PF 5 %	EA
			QPL -CM04E750J0D	
0020A			C53	
			QPL -CM04E750J0D	
0021	00001.000	0236091-0022	XST 2N3906	EA
			004713-2N3906	
0021A			Q1	
			004713-2N3906	
0022	00001.000	0972934-0006	DIODE,1N751A 5.1 V 5% SIL VOLT REG	EA
			QPL - 1N751A	
0022A			CR1	
			QPL - 1N751A	
0023	00001.000	0538031-0003	CRYSTAL UNIT QUARTZ 8.00 MHZ .005%	EA
			5955-2000-000	
0023A			X1	
			5955-2000-000	
0024	00001.000	0972946-0055	RES FIX 390 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0024A			R1	
			ROH - R-25	

List of Materials

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PART NUMBER	REV	DESCRIPTION
2360095-0001	N	PWB ASSY, 810 LQ (FULL-SIZE)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0026	00001.000	0972946-0054	RES FIX 360 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0026A			R16	
			ROH - R-25	
0027	00001.000	0972946-0089	RES FIX 10K OHM 5% .25 W CARBON FILM	EA
			1658- -000	
0027A			R17	
			1658- -000	
0028	00002.000	0972946-0051	RES FIX 270 OHM 5 % .25 W CARBON FILM	EA
			ROH - R-25	
0028A			R18,R19	
			ROH - R-25	
0029	00002.000	0772696-0010	HEADER,3 PIN .300LG SGL ROW,STRIP OF 3	EA
			-0002364	
0029A			E1-3,E4-6	
			-0002364	
0030	00002.000	0972487-0001	JUMPER PLUG,CONNECTOR BLACK	EA
			5935-0900-000	
0031	00001.000	0413277-0001	EJECTOR,PCB,NON-LOCKING,WHITE	EA
			SCA -S-200(NATURAL)	
0032	00008.000	2210188-0012	SOCKET,DIP,16-PINS,LOW PROFILE	EA
			SEE T -I DRAWING	
0032A			XU1,XU2,XU3,XU4,XU5,XU6,XU7	
			SEE T -I DRAWING	
0032B			XU8	
			SEE T -I DRAWING	
0033	00005.000	2210188-0016	SOCKET,DIP,24-PIN,LOW PROFILE	EA
			SEE T -I DRAWING	
0033A			XU28,XU31,XU32,XU33,XU34	
			SEE T -I DRAWING	
0034	00002.000	2210188-0018	SOCKET,DIP,40-PINS,LOW PROFILE	EA
			SEE T -I DRAWING	
0034A			XU29,XU30	
			SEE T -I DRAWING	
0035	00001.000	0413277-0005	EJECTOR,PCB,NON-LOCKING,YELLOW	EA
			SCA -S-200(YELLOW)	
0036	00001.000	2363830-0002	LABEL,SYMBOLIZATION (51MM X 13MM)	EA
			1225- -000	
0038	00001.000	2211540-0001	FOAM, .35X.50X.05,POLY, ADHESIVE BACKED	EA
			SEE TI- DRAWING	
0039	00001.000	2360095-5001	AUTO-INSERTED PARTS LIST FOR -0001	EA
			1225-5095-016	
0040	00001.000	2230485-0005	EPROM, 810 LQ, 8080	EA
			1225-1485-001	
0040A			U28	
			1225-1485-001	
0041	00001.000	2230486-0031	EPROM, 810LQ, Z80, 1(U31)	EA
			1225-0000-000	
0041A			U31	
			1225-0000-000	
0042	00001.000	2230486-0012	EPROM, 810LQ, Z80, 2 (U32)	EA
			1225-0000-000	
0042A			U32	
			1225-0000-000	
0043	00001.000	2230486-0033	EPROM, 810LQ, Z80, 3 (U33)	EA
			1225-0000-000	
0043A			U33	
			1225-0000-000	
0044	00001.000	2230486-0014	EPROM, 810LQ, Z80, 4 (U34)	EA
			1225-0000-000	

List of Materials

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PART NUMBER REV DESCRIPTION.....
2360095-0001 N PWB ASSY, 810 LQ (FULL-SIZE)

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0044A			U34	
			1225-0000-000	
0045	00001.000	0996089-0004	IC,SN74LS244N LINE DRIVER	EA
			-SN74LS244N	
0045A			U12	
			-SN74LS244N	
0046	00001.000	0972900-7139	NETWORK SN74LS139N	EA
			TI -SN74LS139N	
0046A			U17	
			TI -SN74LS139N	
0047	00002.000	0996136-0001	IC,SN74LS257N,DATA SELECTORS/MULTIPLEXER	EA
			TI -SN74LS257N	
0047A			U14,U15	
			TI -SN74LS257N	
0048	00002.000	0085936-0065	EYELET,ROLLED FLANGE,.089 O.D. X .312 LG	EA
0048A			*USED WITH ITEMS 31 & 35	

01/28/84

PART NUMBER REV DESCRIPTION.....
2360095-5001 N AUTO-INSERTED PARTS LIST FOR -0001

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	2360098-0001	PCB, LETTER QUALITY PRINTER	EA
			1225-0000-000	
0004	00003.000	0996089-0004	IC,SN74LS244N LINE DRIVER	EA
			-SN74LS244N	
0004A			U9,U11,U13	
			-SN74LS244N	
0005	00004.000	0972900-7139	NETWORK SN74LS139N	EA
			TI -SN74LS139N	
0005A			U10,U18,U20,U21	
			TI -SN74LS139N	
0007	00001.000	0972900-7174	NETWORK SN74LS174N	EA
0007A			U16	
0008	00001.000	0972900-7138	NETWORK SN74LS138N	EA
			TI -SN74LS138N	
0008A			U19	
			TI -SN74LS138N	
0009	00001.000	0219402-7474	NETWORK SN74S74N	EA
0009A			U26	
0010	00001.000	0972900-7432	NETWORK SN74LS32N	EA
			TI -SN74LS32N	
0010A			U27	
			TI -SN74LS32N	
0014	00001.000	0972900-7404	NETWORK SN74LS04N	EA
0014A			U38	
0015	00002.000	0972900-7474	NETWORK SN74LS74N	EA
0015A			U39,U40	

DWG NO 2360099 SH

APPLICATION	
NEXT ASSY	USED ON
	8733

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	CN491926(C) P. CARTER	3-25-82	S Dodson
B	CN497014(D) P.CARTER	9-27-82	S Dodson
C	CN503796(D) P.CARTER	12-21-82	S Dodson
D	CN497290(C) Donna Anderson	11-29-83	S Dodson

PART NUMBER	DESCRIPTION
2360099-0022	KIT,810,VFC,COMP.PR.,EXP.CHAR.,DEN/NOR
-0021	KIT,810,VFC,COMP.PR.,FULL DEN/NOR, NO CBL
-0020	KIT,810,VFC,COMP.PR.,LIM.DEN/NOR,NO CABLE
-0019	KIT,810,BASIC,FULL DEN/NOR,220V,NO CABLE
-0018	KIT,810,BASIC,LIM.DEN/NOR,220V,NO CABLE
-0017	KIT,810,VFC,COMP.PR.,SWEDEN,EIA CABLE
-0016	KIT,810,VFC,SWEDEN,220V,EIA CABLE
-0015	KIT,810,FLC,SWEDEN,220V,EIA CABLE
-0014	KIT,810,BASIC,SWEDEN,220V,EIA CABLE
-0013	KIT,810,VFC,COMP.PR.,220V,NO CABLE
-0012	KIT,810,FLC,220V,NO CABLE
-0011	KIT,810,BASIC,220V,NO CABLE
~~-0010~~	
-0009	KIT,810,VFC,COMP.PR.,U.K.,240V,EIA CABLE
-0008	KIT,810,FLC,COMP.PR.,U.K.,240V,EIA CABLE
-0007	KIT,810,FLC,U.K.,240V,EIA CABLE
-0006	KIT,810,BASIC,U.K.,240V,EIA CABLE
-0005	KIT,810,VFC,COMP.PR.,220V,EIA CABLE
-0004	KIT,810,PLT,220V,EIA CABLE
-0003	KIT,810,FULL ASCII,220V,EIA CABLE
-0002	KIT,810,LBP,220V,NO CABLE
2360099-0001	KIT,810,BASIC,220V,EIA CABLE

NOTES:

1. LABEL (ITEM 6) MARKED WITH KIT PART NUMBER TO BE AFFIXED TO SHIPPING CONTAINER FOR WAREHOUSE IDENTIFICATION

REV																												
SHEET																												
REV STATUS OF SHEETS	REV																											
	SHEET																											

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN MILLIMETERS
- TOLERANCES: ANGLE ±1°, 1 PLACE DECIMALS ±0.5, 2 PLACE DECIMALS ±0.25
- PARENTHETICAL INFO FOR REF ONLY

THIRD ANGLE PROJECTION

	NAME	DATE
DWN	S. DODSON	12-2-81
CHK	S Dodson	12-2-81
ENGR		12-2-81
APVD ENGR		12-7-81
QA		12/8/81
APVD MFG		12/7/81
RLSE		12/14/81

TEXAS INSTRUMENTS INCORPORATED
Digital Systems Group

SI-METRIC

810 PRINTER, INTERNATIONAL PACKAGE

SIZE	FSCM NO	DRAWING NO
A	06668	2360099

SCALE NONE SHEET

TI-26739

300 LM

List of Materials

01/28/84

PART NUMBER	REV	DESCRIPTION
2360099-0001	D	KIT, 810, BASIC, 220V, EIA CABLE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994292-0001	810 PRINTER ASSY,BASIC 1225-1292-000	EA
0002	00001.000	2210558-0001	CORD SET. POWER, WESTERN EUROPEAN SEE TI- DRAWING	EA
0003	00001.000	2360026-0014	220V POWER INPUT 1225-0000-000	EA
0004	00001.000	0993205-0001	CABLE ASSY,202/212 DATA SET 1221-3205-945	EA
0006	00001.000	2226555-0001	LABEL, KIT, PACKAGING	EA

01/28/84

PART NUMBER	REV	DESCRIPTION
2360099-0002	D	KIT, 810, LBP, 220V, NO CABLE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994292-0001	810 PRINTER ASSY,BASIC 1225-1292-000	EA
0002	00001.000	2210558-0001	CORD SET. POWER, WESTERN EUROPEAN SEE TI- DRAWING	EA
0003	00001.000	2360026-0014	220V POWER INPUT 1225-0000-000	EA
0004	00001.000	0994513-0001	LINE BUFFER OPTION-PARALLEL LBP 1225-5135-000	EA
0006	00001.000	2226555-0001	LABEL, KIT, PACKAGING	EA

01/28/84

PART NUMBER	REV	DESCRIPTION
2360099-0003	D	KIT, 810, FULL ASCII, 220V, EIA CABLE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994292-0001	810 PRINTER ASSY,BASIC 1225-1292-000	EA
0002	00001.000	2210558-0001	CORD SET. POWER, WESTERN EUROPEAN SEE TI- DRAWING	EA
0003	00001.000	2360026-0014	220V POWER INPUT 1225-0000-000	EA
0004	00001.000	0993205-0001	CABLE ASSY,202/212 DATA SET 1221-3205-945	EA
0005	00001.000	0994395-0019	CHAR SET,US FULL ASCII W/O VFC-2P 1225-1995-000	EA
0006	00001.000	2226555-0001	LABEL, KIT, PACKAGING	EA

PART NUMBER	REV	DESCRIPTION
2360099-0004	D	KIT, 810, PLT,220V, EIA CABLE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994292-0001	810 PRINTER ASSY,BASIC 1225-1292-000	EA
0002	00001.000	2210558-0001	CORD SET. POWER, WESTERN EUROPEAN SEE TI- DRAWING	EA
0003	00001.000	2360026-0014	220V POWER INPUT 1225-0000-000	EA
0004	00001.000	0993205-0001	CABLE ASSY,202/212 DATA SET 1221-3205-945	EA
0005	00001.000	0994401-0002	TI PARALLEL INTERFACE (PLT) 1225-3401-000	EA
0006	00001.000	2226555-0001	LABEL, KIT, PACKAGING	EA

List of Materials

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PART NUMBER	REV	DESCRIPTION
2360099-0005	D	KIT, 810, VFC COMP.PR., 220V, EIA CABLE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2360013-0001	810 RO PRINTER PACKAGE 1225-1013-000	EA
0002	00001.000	2210558-0001	CORD SET, POWER, WESTERN EUROPEAN SEE TI- DRAWING	EA
0003	00001.000	2360026-0014	220V POWER INPUT 1225-0000-000	EA
0004	00001.000	0993205-0001	CABLE ASSY,202/212 DATA SET 1221-3205-945	EA
0006	00001.000	2226555-0001	LABEL, KIT, PACKAGING	EA

01/28/84

PART NUMBER	REV	DESCRIPTION
2360099-0006	D	KIT, 810, BASIC, U.K., 240V, EIA CABLE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994292-0001	810 PRINTER ASSY,BASIC 1225-1292-000	EA
0002	00001.000	2211739-0001	CORDSET,BRITISH POWER,WITH OUTLET SEE TI- DRAWING	EA
0003	00001.000	0993205-0001	CABLE ASSY,202/212 DATA SET 1221-3205-945	EA
0004	00001.000	2360026-0015	240V POWER INPUT 1225-0000-000	EA
0006	00001.000	2226555-0001	LABEL, KIT, PACKAGING	EA

01/28/84

PART NUMBER	REV	DESCRIPTION
2360099-0007	D	KIT, 810, FLC, U.K., 240V, EIA CABLE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994292-0002	810 PRINTER ASSY,FORMS LG CONTROL 1225-2292-000	EA
0002	00001.000	2211739-0001	CORDSET,BRITISH POWER,WITH OUTLET SEE TI- DRAWING	EA
0003	00001.000	0993205-0001	CABLE ASSY,202/212 DATA SET 1221-3205-945	EA
0004	00001.000	2360026-0015	240V POWER INPUT 1225-0000-000	EA
0006	00001.000	2226555-0001	LABEL, KIT, PACKAGING	EA

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PART NUMBER	REV	DESCRIPTION
2360099-0008	D	KIT,810,FLC,COMP.PR.,U.K.,240V,EIA CABLE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994293-0001	810 PRINTER ASSY,FORMS LG,COMP. PRINT 1225-1293-000	EA
0002	00001.000	2211739-0001	CORDSET,BRITISH POWER,WITH OUTLET SEE TI- DRAWING	EA
0003	00001.000	0993205-0001	CABLE ASSY,202/212 DATA SET 1221-3205-945	EA
0004	00001.000	2360026-0015	240V POWER INPUT 1225-0000-000	EA
0006	00001.000	2226555-0001	LABEL, KIT, PACKAGING	EA

List of Materials

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PART NUMBER	REV	DESCRIPTION
2360099-0009	D	KIT, 810,VFC COMP.PR,U.K.,240V,EIA CABLE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994293-0002	810 PRINTER ASSY,VFC,COMPRESSED PRINT 1225-2293-000	EA
0002	00001.000	2211739-0001	CORDSET,BRITISH POWER,WITH OUTLET SEE TI- DRAWING	EA
0003	00001.000	0993205-0001	CABLE ASSY,202/212 DATA SET 1221-3205-945	EA
0004	00001.000	2360026-0015	240V POWER INPUT 1225-0000-000	EA
0006	00001.000	2226555-0001	LABEL, KIT, PACKAGING	EA

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PART NUMBER	REV	DESCRIPTION
2360099-0010	D	OBSOLETE PER ECN497290,REVISION D

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994292-0005	810 PRINTER ASSY,FORMS LG,9COPY P/H 1225-5292-000	EA
0002	00001.000	2211739-0001	CORDSET,BRITISH POWER,WITH OUTLET SEE TI- DRAWING	EA
0003	00001.000	0993205-0001	CABLE ASSY,202/212 DATA SET 1221-3205-945	EA
0004	00001.000	2360026-0015	240V POWER INPUT 1225-0000-000	EA

01/28/84

PART NUMBER	REV	DESCRIPTION
2360099-0011	D	KIT, 810, BASIC, 220V, NO CABLE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994292-0001	810 PRINTER ASSY,BASIC 1225-1292-000	EA
0002	00001.000	2210558-0001	CORD SET. POWER, WESTERN EUROPEAN SEE TI- DRAWING	EA
0003	00001.000	2360026-0014	220V POWER INPUT 1225-0000-000	EA
0006	00001.000	2226555-0001	LABEL, KIT, PACKAGING	EA

01/28/84

PART NUMBER	REV	DESCRIPTION
2360099-0012	D	KIT, 810, FLC, 220V, NO CABLE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994292-0005	810 PRINTER ASSY,FORMS LG,9COPY P/H 1225-5292-000	EA
0002	00001.000	2210558-0001	CORD SET. POWER, WESTERN EUROPEAN SEE TI- DRAWING	EA
0003	00001.000	2360026-0014	220V POWER INPUT 1225-0000-000	EA
0006	00001.000	2226555-0001	LABEL, KIT, PACKAGING	EA

List of Materials

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PART NUMBER	REV	DESCRIPTION
2360099-0013	D	KIT, 810, VFC, COMP.PR.,220V, NO CABLE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	2360013-0001	810 RO PRINTER PACKAGE 1225-1013-000	EA
0002	00001.000	2210558-0001	CORD SET. POWER, WESTERN EUROPEAN SEE TI- DRAWING	EA
0003	00001.000	2360026-0014	220V POWER INPUT 1225-0000-000	EA
0006	00001.000	2226555-0001	LABEL, KIT, PACKAGING	EA

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PART NUMBER	REV	DESCRIPTION
2360099-0014	D	KIT, 810, BASIC, SWEDEN, 220V, EIA CABLE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994292-0001	810 PRINTER ASSY,BASIC 1225-1292-000	EA
0002	00001.000	2210558-0001	CORD SET. POWER, WESTERN EUROPEAN SEE TI- DRAWING	EA
0003	00001.000	0993205-0001	CABLE ASSY,202/212 DATA SET 1221-3205-945	EA
0004	00001.000	0994395-0013	CHAR SET,SWED-FIN FULL ASCII W/O VFC 1225-1395-000	EA
0005	00001.000	2360026-0014	220V POWER INPUT 1225-0000-000	EA
0006	00001.000	2226555-0001	LABEL, KIT, PACKAGING	EA

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PART NUMBER	REV	DESCRIPTION
2360099-0015	D	KIT, 810, FLC, SWEDEN, 220V, EIA CABLE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994292-0002	810 PRINTER ASSY,FORMS LG CONTROL 1225-2292-000	EA
0002	00001.000	2210558-0001	CORD SET. POWER, WESTERN EUROPEAN SEE TI- DRAWING	EA
0003	00001.000	0993205-0001	CABLE ASSY,202/212 DATA SET 1221-3205-945	EA
0004	00001.000	0994395-0013	CHAR SET,SWED-FIN FULL ASCII W/O VFC 1225-1395-000	EA
0005	00001.000	2360026-0014	220V POWER INPUT 1225-0000-000	EA
0006	00001.000	2226555-0001	LABEL, KIT, PACKAGING	EA

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PART NUMBER	REV	DESCRIPTION
2360099-0016	D	KIT, 810, VFC, SWEDEN, 220V, EIA CABLE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994292-0003	810 PRINTER ASSY,VERTICAL FORMS CONTROL 1225-3292-000	EA
0002	00001.000	2210558-0001	CORD SET. POWER, WESTERN EUROPEAN SEE TI- DRAWING	EA
0003	00001.000	0993205-0001	CABLE ASSY,202/212 DATA SET 1221-3205-945	EA
0004	00001.000	0994395-0113	CHAR SET,SWED-FIN FULL ASCII W/VFC 1225-1135-000	EA
0005	00001.000	2360026-0014	220V POWER INPUT 1225-0000-000	EA
0006	00001.000	2226555-0001	LABEL, KIT, PACKAGING	EA

List of Materials

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PART NUMBER REV DESCRIPTION.....
2360099-0017 D KIT, 810,VFC,COMP.PR.,SWEDEN, EIA CABLE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	0994293-0002	810 PRINTER ASSY,VFC,COMPRESSED PRINT 1225-2293-000	EA
0002	00001.000	2210558-0001	CORD SET. POWER, WESTERN EUROPEAN SEE TI- DRAWING	EA
0003	00001.000	0993205-0001	CABLE ASSY,202/212 DATA SET 1221-3205-945	EA
0004	00001.000	0994395-0113	CHAR SET,SWED-FIN FULL ASCII W/VFC 1225-1135-000	EA
0005	00001.000	2360026-0014	220V POWER INPUT 1225-0000-000	EA
0006	00001.000	2226555-0001	LABEL, KIT, PACKAGING	EA

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PART NUMBER REV DESCRIPTION.....
2360099-0018 D KIT, 810,BASIC,LIM.DEN/NOR,220V,NO CABLE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	0994292-0001	810 PRINTER ASSY,BASIC 1225-1292-000	EA
0002	00001.000	2210558-0001	CORD SET. POWER, WESTERN EUROPEAN SEE TI- DRAWING	EA
0003	00001.000	2360026-0014	220V POWER INPUT 1225-0000-000	EA
0004	00001.000	0994395-0002	CHAR SET,DAN-NOR LTD ASCII W/O VFC 1225-2395-000	EA
0006	00001.000	2226555-0001	LABEL, KIT, PACKAGING	EA

01/28/84

PART NUMBER REV DESCRIPTION.....
2360099-0019 D KIT,810,BASIC,FULL DEN/NOR,220V,NO CABLE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	0994292-0001	810 PRINTER ASSY,BASIC 1225-1292-000	EA
0002	00001.000	2210558-0001	CORD SET. POWER, WESTERN EUROPEAN SEE TI- DRAWING	EA
0003	00001.000	2360026-0014	220V POWER INPUT 1225-0000-000	EA
0004	00001.000	0994395-0012	CHAR SET,DAN-NOR FULL ASCII W/O VFC 1225-1295-000	EA
0006	00001.000	2226555-0001	LABEL, KIT, PACKAGING	EA

01/28/84

PART NUMBER REV DESCRIPTION.....
2360099-0020 D KIT,810,VFC,COMP.PR,LIM.DEN/NOR,NO CABLE

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION.....	UM
0001	00001.000	0994293-0002	810 PRINTER ASSY,VFC,COMPRESSED PRINT 1225-2293-000	EA
0002	00001.000	2210558-0001	CORD SET. POWER, WESTERN EUROPEAN SEE TI- DRAWING	EA
0003	00001.000	2360026-0014	220V POWER INPUT 1225-0000-000	EA
0004	00001.000	0994395-0102	CHAR SET,DAN-NOR LTD ASCII W/VFC 1225-1025-000	EA
0006	00001.000	2226555-0001	LABEL, KIT, PACKAGING	EA

List of Materials

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PART NUMBER	REV	DESCRIPTION
2360099-0021	D	KIT,810,VFC,COMP.PR,FULL DEN/NOR, NO CBL

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994293-0002	810 PRINTER ASSY,VFC,COMPRESSED PRINT 1225-2293-000	EA
0002	00001.000	2210558-0001	CORD SET. POWER, WESTERN EUROPEAN SEE TI- DRAWING	EA
0003	00001.000	2360026-0014	220V POWER INPUT 1225-0000-000	EA
0004	00001.000	0994395-0112	CHAR SET,DAN-NOR FULL ASCII W/VFC 1225-1125-000	EA
0006	00001.000	2226555-0001	LABEL, KIT, PACKAGING	EA

01/28/84

PART NUMBER	REV	DESCRIPTION
2360099-0022	D	KIT, 810, VFC,COMP.PR.,EXP.CHAR.,DEN/NOR

ITEM.	QUANTITY.	COMPONENT..	DESCRIPTION	UM
0001	00001.000	0994293-0002	810 PRINTER ASSY,VFC,COMPRESSED PRINT 1225-2293-000	EA
0002	00001.000	2210558-0001	CORD SET. POWER, WESTERN EUROPEAN SEE TI- DRAWING	EA
0003	00001.000	2360026-0014	220V POWER INPUT 1225-0000-000	EA
0004	00001.000	0994395-0108	CHAR SET,EXPANDED LTD ASCII W/VFC 1225-1085-000	EA
0006	00001.000	2226555-0001	LABEL, KIT, PACKAGING	EA

Section 10

Schematic Diagrams

This section contains schematic and logic diagrams for the Model 810 Printer circuit assemblies.

Drawing No. / Revision	Title	Page No.
994242G*	Diagram, Processor (Assy 994244-1)	10-3
994247T	Diagram, Processor (Assy 994244-2)	10-12
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994303B	Diagram, Current Loop I/F (Assy 994305)	10-22
994320C**	Diagram, Driver PWB (Assy 994322)	10-24
994328D**	Diagram, Motherboard (Assy 994330)	10-27
994384A*	Diagram, AC Power Module (Assy 994373)	10-28
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994501H	Diagram, Line Buffer PWB (Assy 994503)	10-34
994527H	Diagram, Driver PWB (Assy 994528)	10-38
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2230499D	Diagram, Current Loop I/F PWB (Assy 2230497-0001) Diagram, RS-422 I/F PWB (Assy 2230497-0002) Diagram, Current Loop I/F PWB Power Down NO/NC Assy (Assy 2230497-0003)	10-53
2232577A	Diagram, Half-Sized LQ PWB (Assy 2232575)	10-56
2232593B	Diagram, Encoder Circuit (Assy 2232589)	10-61
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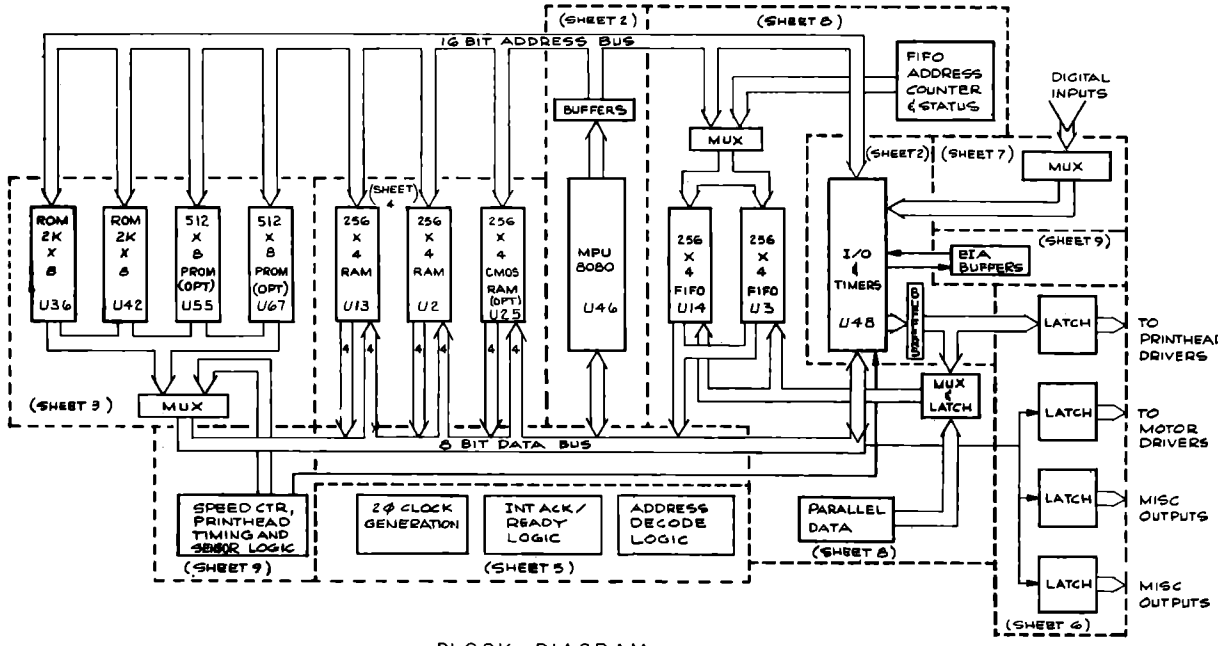
* Obsolete

** Denotes alternate version

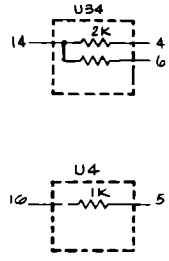
NOTES : UNLESS OTHERWISE SPECIFIED

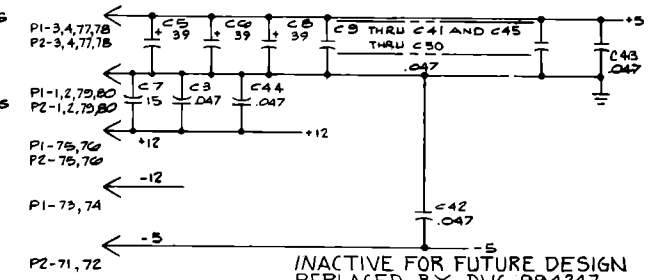
1. CAPACITANCE VALUES ARE IN MICROFARADS
2. RESISTORS ARE 1/4W ± 5%
3. ⊸▷⊸ DEPICTS OPEN COLLECTOR GATES
4. TO ENABLE RECOGNITION OF DELETE CHARACTER, JUMPER E2 TO E3. TO DISABLE RECOGNITION OF DELETE CHARACTER, JUMPER E1 TO E2.
5. FOR DTR = "ON LINE" JUMPER E4 TO E8 FOR DTR = "ON LINE AND NOT BUSY" JUMPER E5 TO E6
6. ~~FOR NORMAL REV CH. JUMPER E8 TO E9 (STD) FOR INVERTED REV. CH. JUMPER E7 TO E8 (OPT)~~
7. ~~ON 0001-A554, U36 IS 2K X 8 ROM ON 0002-A604, U36 IS 1K X 8 ROM~~
8. ~~U42 REQUIRED ON 0001-A554 IS U48 AVAILABLE FOR OPTIONS ON 0002-A604~~
9. FOR USE WITH LINE BUFFER OPTION KITS LBE, LBT, AND LBP, CUT PINS 6 AND 2 OF U11

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	415888(C) Randy B. Mill 9-29-76	10/15/76	
	FORMAL RELEASE		
B	420947 (E) 1-26-77	2/18/77	
C	423779	3/11/77	
D	CN418770	4-26-77	
E	CN426547	7-20-77	
F	CN425564	8-26-77	
G	CN428964	11-28-77	



BLOCK DIAGRAM





INACTIVE FOR FUTURE DESIGN
REPLACED BY DWG 994247

REV STATUS	REV	G	B	E	F	B	F	E	G
OF SHEETS	SH	1	2	3	4	5	6	7	8	9

-2 QTY REQD	-1 ITEM NO	CODE IDENT	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION

PARTS LIST

UNLESS OTHERWISE SPECIFIED
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIR
- DIMENSIONAL LIMITS APPLY BEFORE FINISH PROCESSING
- IDENTIFYING NUMBERS SHOWN IN PARENTHESES FOR REFERENCE ONLY
- INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100

HOLE TOLERANCE

.015 THRU .125 +.004 -.001	.126 THRU .250 +.005 -.001	.251 THRU .500 +.005 -.001
.501 THRU .750 +.006 -.001	.751 THRU 1.000 +.010 -.001	1.001 THRU 3.000 +.013 -.001

994244 | 8753
NEXT ASSY | USED ON
APPLICATION

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES
  ANGLES ±1°
  3 PLACE DECIMALS ±.010
  2 PLACE DECIMALS ±.03

		DATE
DWN	Gary Clark	6-29-76
CHK		7/14/76
ENGR		8/23/76
QA		9/2/76
ADV		10/19/76
CONTR NO		
ORIGIN ASSY RELEASE		10/14/76

TEXAS INSTRUMENTS INCORPORATED
Equipment Group Dallas, Texas

DIAGRAM, LOGIC, PROCESSOR

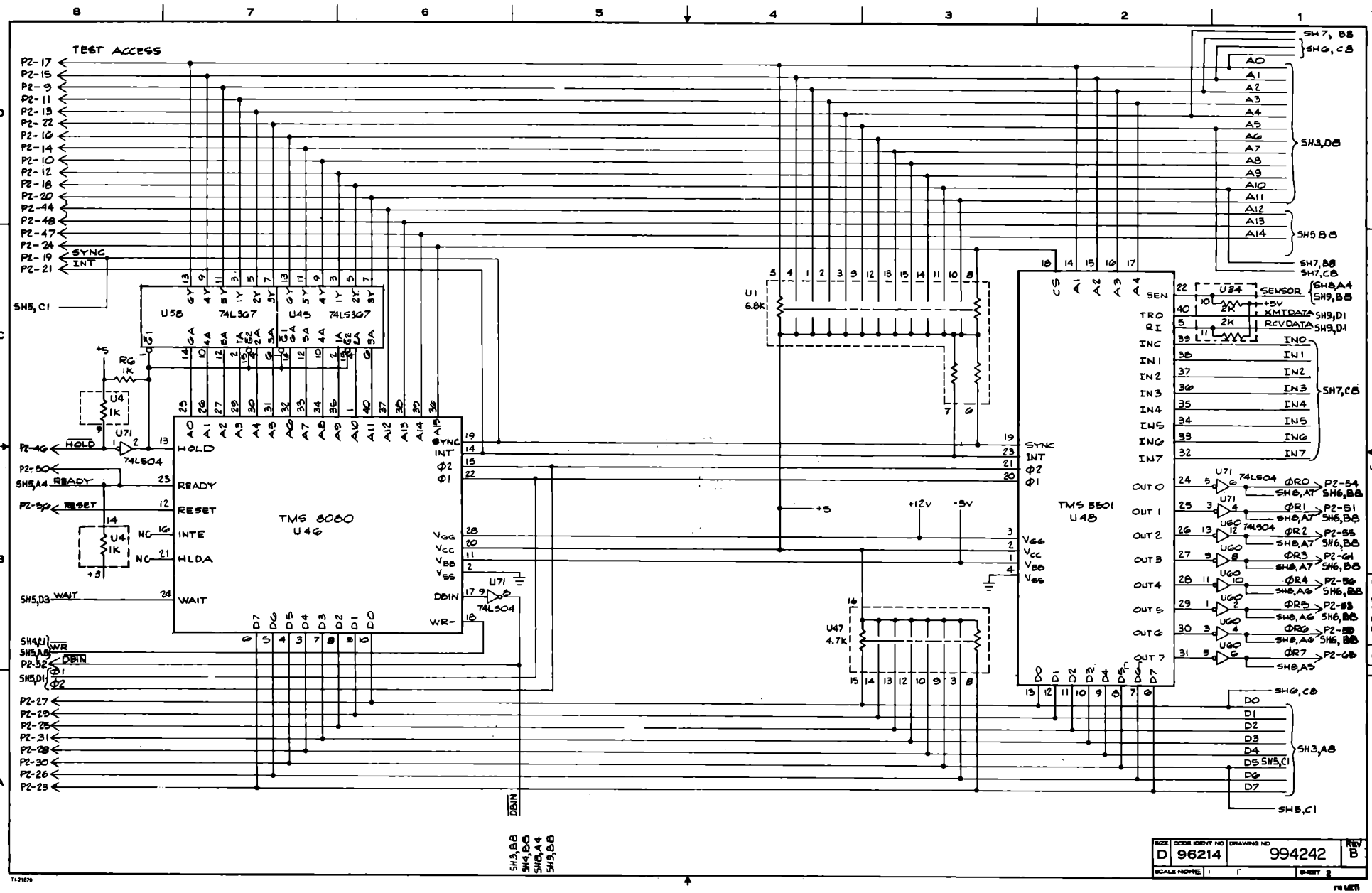
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D	96214	994242

SCALE NONE | SHEET 1 of 9

994242 D

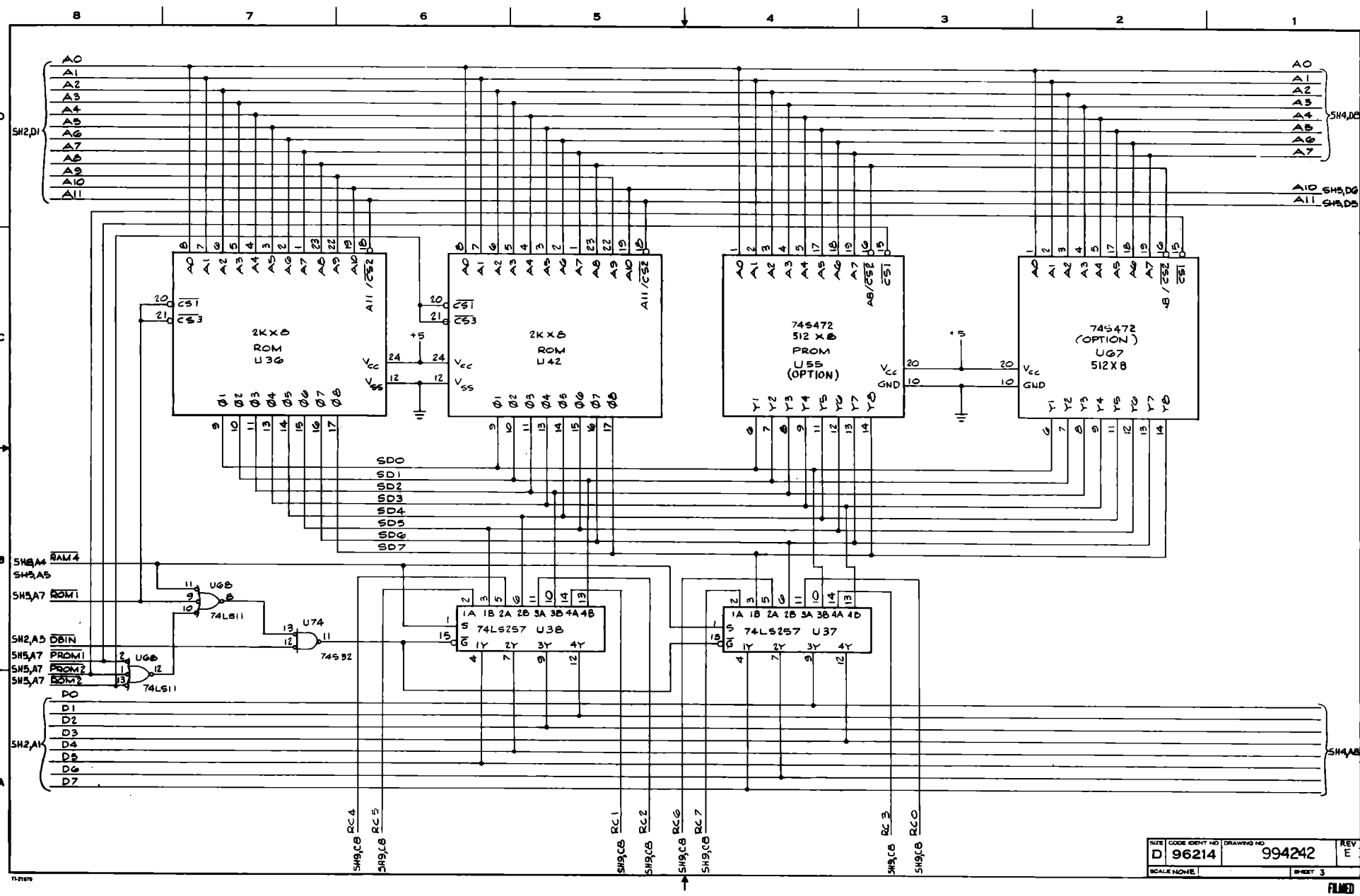
10-3

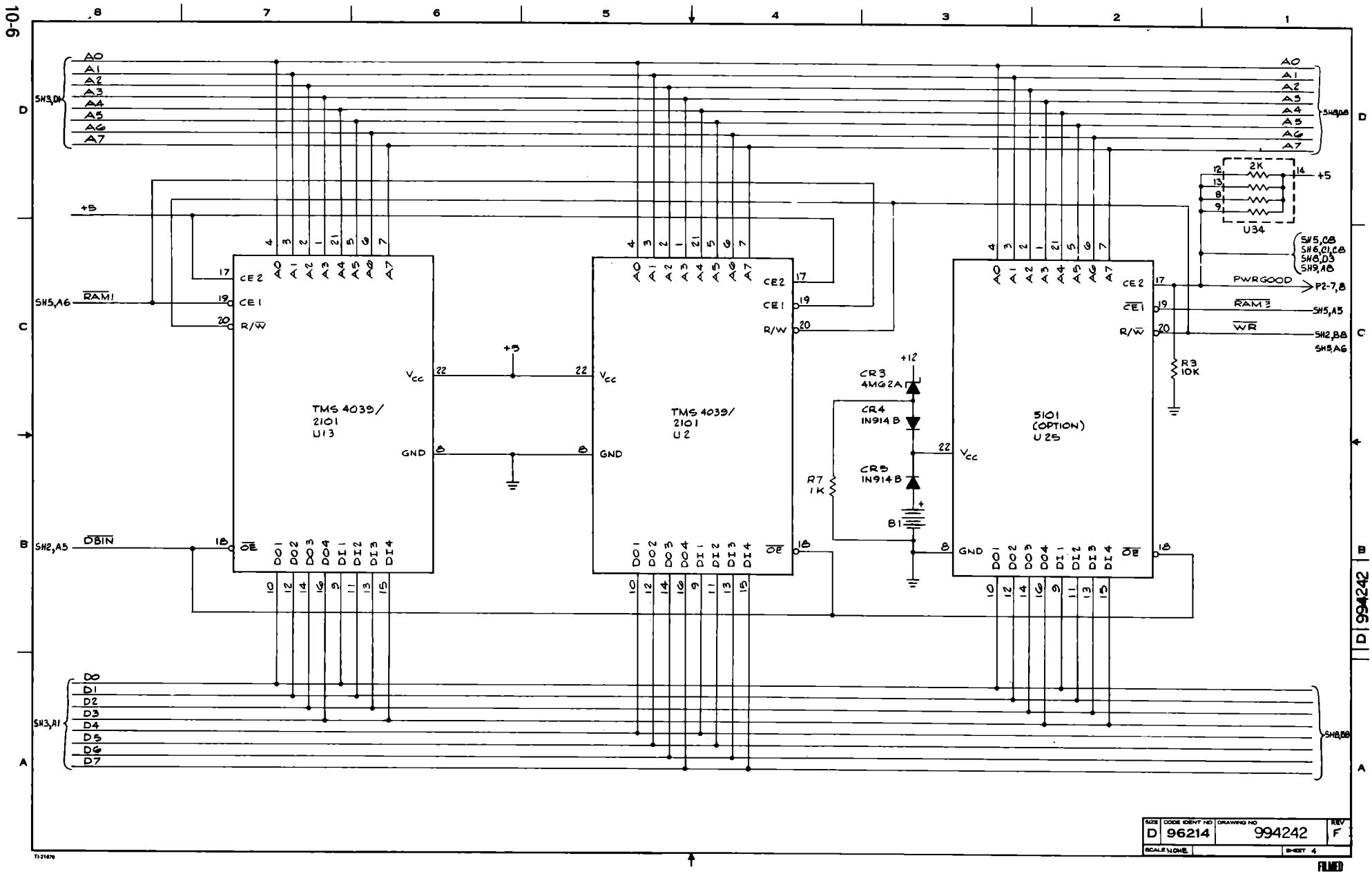
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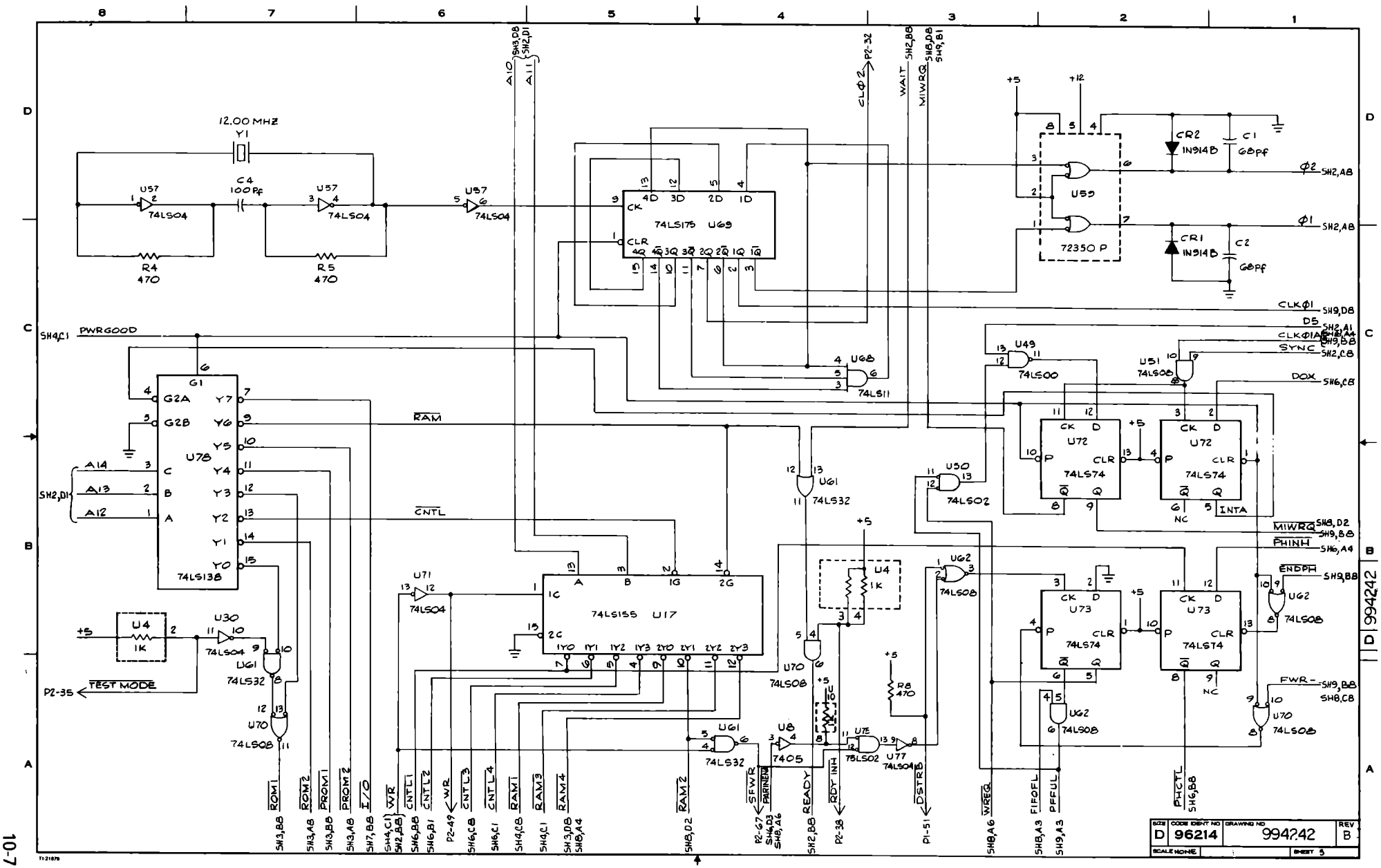


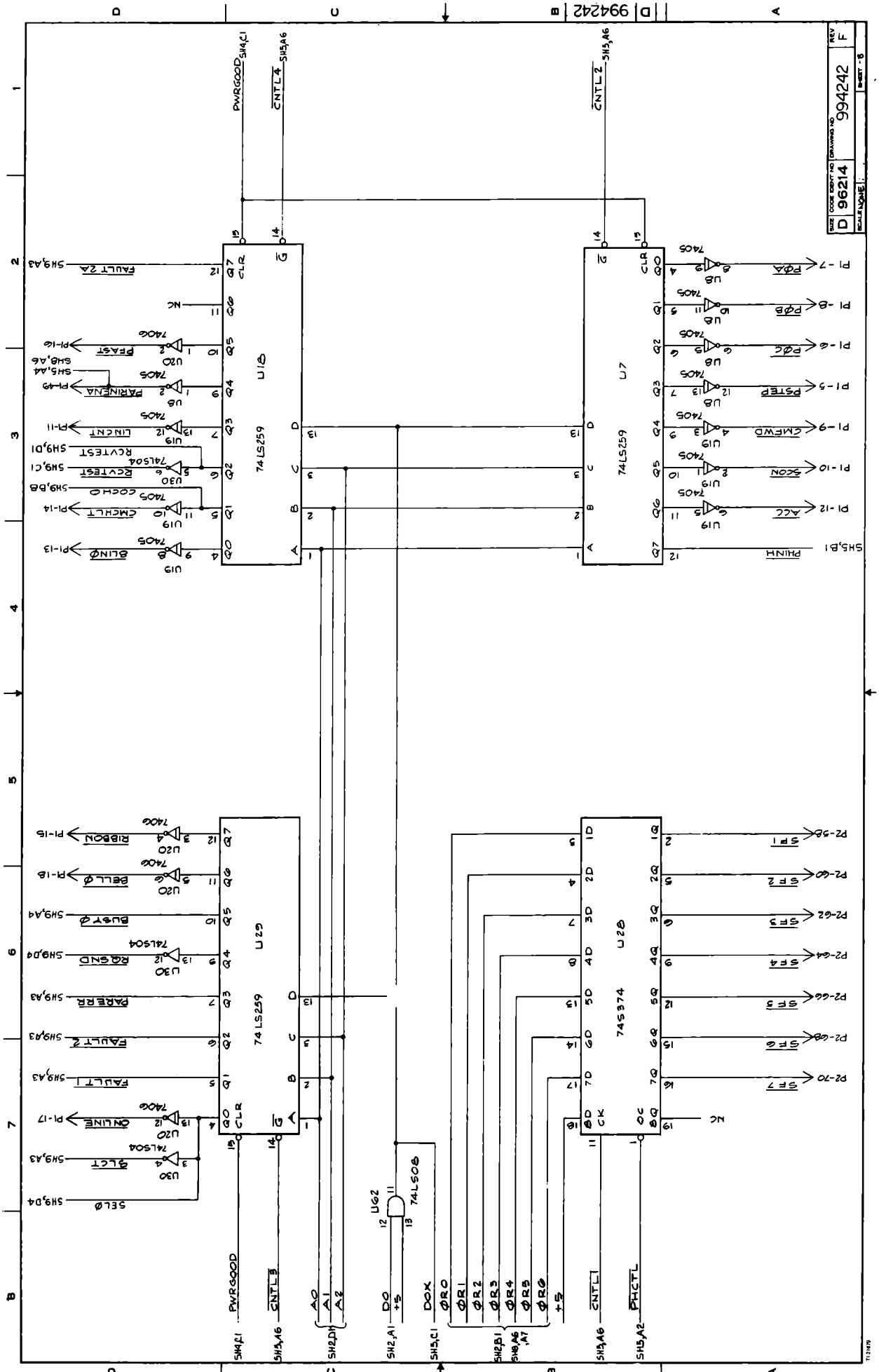
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D	96214	994242	B
SCALE NONE		SHEET 3	

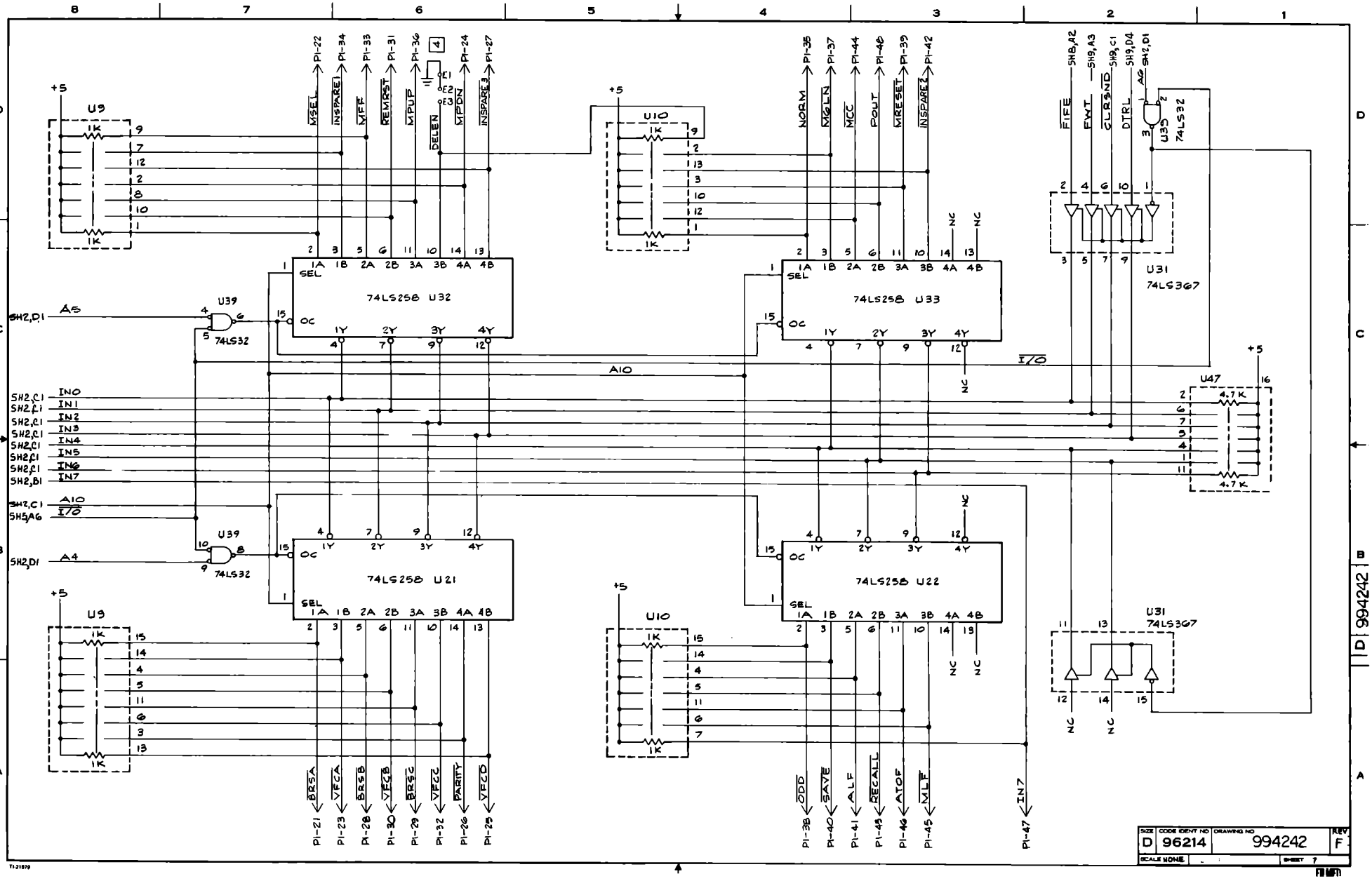
994242 D

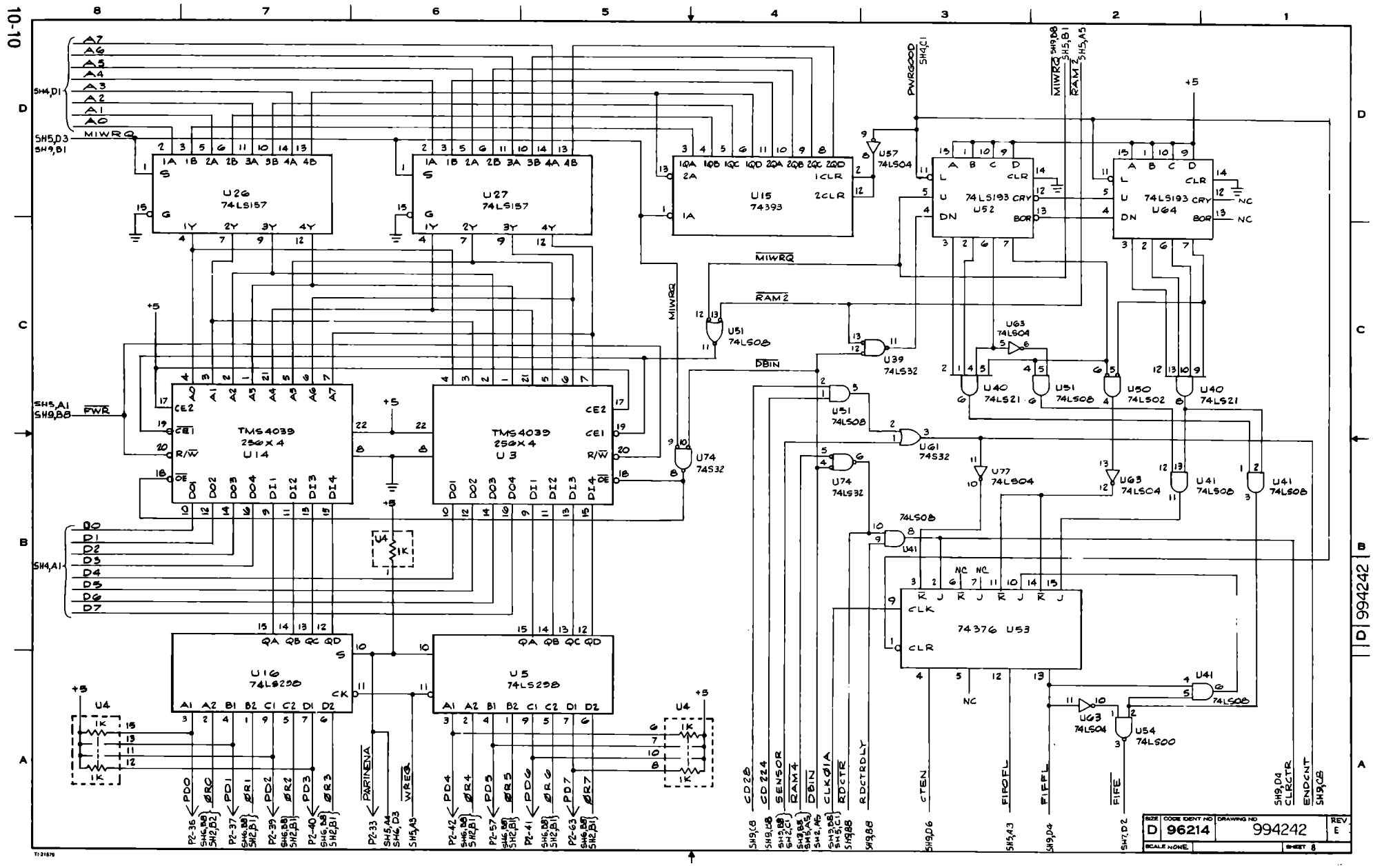

2KX8 ROM U36
2KX8 ROM U42
74S472 512 X8 PROM U55 (OPTION)
74S472 (OPTION) UG7 512X8
74LS257 U38
74LS257 U37
74LS11
74S32
SDO
SD1
SD2
SD3
SD4
SD5
SD6
SD7
D0
D1
D2
D3
D4
D5
D6
D7
SIZE D
CODE IDENT NO 96214
DRAWING NO 994242
REV E
SCALE NONE
SHEET 3
994242

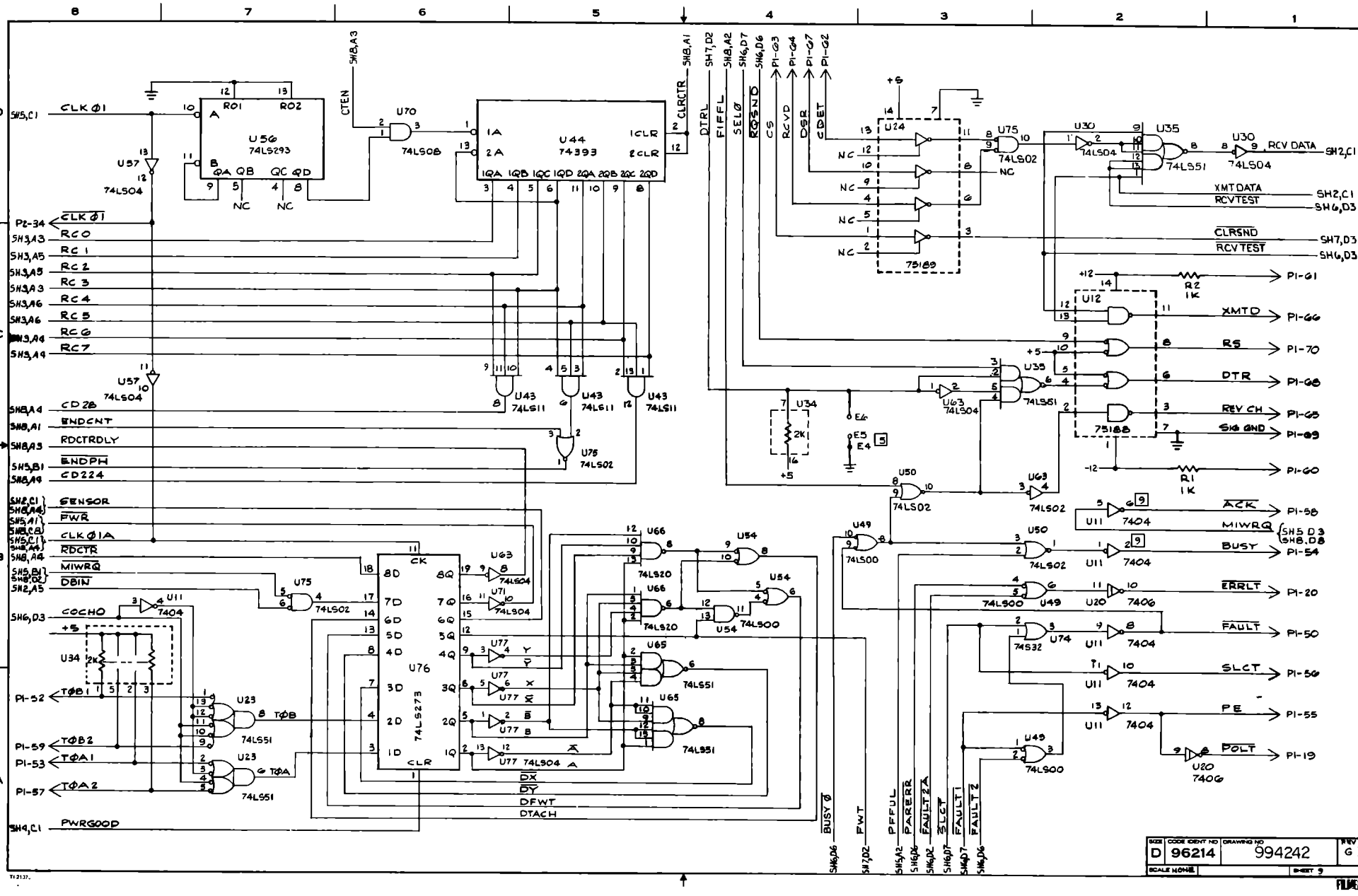

TMS 4039/
2101
U13
TMS 4039/
2101
U2
5101
(OPTION)
U25
U34
2K
R3
10K
R7
1K
CR3
4MG2A
CR4
IN914B
CR5
IN914B
B1
+5
+12
RAM1
RAM3
DBIN
WR
PWRGOOD
P2-7,8
SW5,A6
SW5,A5
SW2,A5
SW2,B8
SW5,C8
SW6,C1,C8
SW8,D3
SW9,A8
SW3,D1
SW3,A1
SW4,D8
SW8,B8
D 96214
994242
F
SCALE NONE
SHEET 4
FILMED


12.00 MHZ
Y1
C4
100 Pf
R4
470
R5
470
74LS04
74LS175 U69
74LS138
74LS155 U17
74LS74
74LS32
74LS08
74LS00
74LS02
74LS11
74LS05
74LS10
72350 P
IN914B
PWRGOOD
TEST MODE
RAM
CNTL
INTA
SYNC
DOX
WAIT
MIWRQ
CLKΦ1
Φ2
Φ1
ENDPH
PHINH
FWR
PHCTL
WREQ
FIFOFL
PFFUL
RDY INH
READY
SFWR
DSTRB
ROM1
ROM2
PROM1
PROM2
I/O
WR
RAM1
RAM2
RAM3
RAM4
CNTL1
CNTL2
CNTL3
CNTL4
SIZE D
CODE IDENT NO 96214
DRAWING NO 994242
REV B
SCALE NONE
SHEET 3


994242
D 96214
994242
F
74LS259
74LS374
74LS04
74LS08
PWRGOOD
CNTL4
CNTL2
CNTL3
CNTL1
PHCTL
FAULT 2A
FAULT 1
FAULT 2
PARERR
RAGND
BUSTØ
BELLØ
RIBBON
ONLINE
SELØ
PARINENA
LINCNT
RCVTEST
COCHO
CMCHLT
BLINØ
PHINH
ACC
SCON
CMFWD
PSTEP
PØC
PØB
PØA
SFI
SF2
SF3
SF4
SF5
SF6
SF7
NC


8
7
6
5
4
3
2
1
D
C
B
A
U9
U10
U31
74LS367
U35
74LS32
U39
74LS32
U47
4.7K
74LS258 U32
74LS258 U33
74LS258 U21
74LS258 U22
+5
1K
MSEL
INSPARE1
MFF
REMRST
MPUP
DELEN
MPDN
INSPARE3
NORM
MGLN
MCC
POUT
MRESET
INSPARE2
FIFE
FWT
CLRGND
DTRL
SH8,A2
SH9,A3
SH9,C1
SH9,D4
SH2,D1
A5
A4
A10
I/O
IN0
IN1
IN2
IN3
IN4
IN5
IN6
IN7
SH2,C1
SH2,B1
SH5,A6
BRSA
VFCA
BRSB
VFCB
BRSC
VFCC
PARITY
VFCD
ODD
SAVE
ALF
RECALL
ATOF
MLF
NC
SEL
OC
1A 1B 2A 2B 3A 3B 4A 4B
1Y 2Y 3Y 4Y
PI-21
PI-23
PI-28
PI-30
PI-29
PI-32
PI-26
PI-25
PI-38
PI-40
PI-41
PI-43
PI-46
PI-45
PI-47
PI-22
PI-34
PI-33
PI-31
PI-36
PI-24
PI-27
PI-35
PI-37
PI-44
PI-48
PI-39
PI-42
SIZE
CODE IDENT NO
DRAWING NO
REV
D
96214
994242
F
SCALE NONE
SHEET 7
D 994242


10-10
8
7
6
5
4
3
2
1
D
C
B
A
U26 74LS157
U27 74LS157
U15 74393
U52 74LS193 CRY BOR
U64 74LS193 CRY BOR
U14 TMS4039 256x4
U3 TMS4039 256x4
U16 74LS298
U5 74LS298
74376 U53
MIWRQ
RAM2
DBIN
PWRGOOD
FWR
PARINENA
WREQ
CD28
CD224
SENSOR
RAM4
CLK01A
RDCTR
RDCTRDLY
CTEN
FIRQFL
FIFFL
FIFE
ENDCNT
CLRCTR
994242
D
96214
SCALE NONE

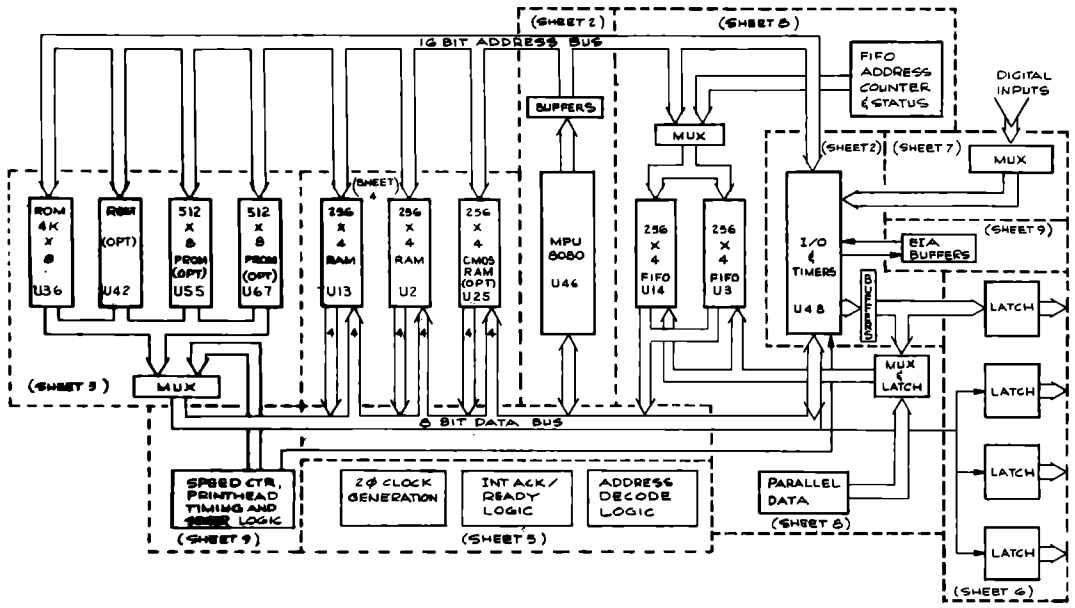

CLK Ø1
U56
74LS293
U57
74LS04
U70
74LS08
U44
74393
CLRCTR
DTRL
FIFFL
SELØ
RQSND
CS
RCVD
DSR
CDET
U24
75189
U75
74LS02
U30
74LS04
U35
74LS51
RCV DATA
XMT DATA
RCVTEST
CLRSND
RCVTEST
R2
1K
R1
1K
XMTD
RS
DTR
REV CH
SIG GND
U12
75188
U34
2K
U63
74LS04
U63
74LS51
U50
74LS02
U49
74LS00
U11
7404
ACK
MIWRQ
BUSY
ERRLT
FAULT
SLCT
PE
POLT
U20
7406
U74
74S32
U43
74LS11
U75
74LS02
U76
74LS273
U66
74LS20
U54
74LS00
U65
74LS51
U23
74LS51
U71
74LS04
U77
74LS04
CLK Ø1
RC0
RC1
RC2
RC3
RC4
RC5
RC6
RC7
CD2B
ENDCNT
RDCTRDLY
ENDPH
CD224
SENSOR
PWR
CLK Ø1A
RDCTR
MIWRQ
DBIN
COCHO
TØB1
TØB2
TØA1
TØA2
PWRGOOD
DX
DY
DFWT
DTACH
BUSY Ø
FWT
PFFUL
PARERR
FAULT2A
SLCT
FAULT1
FAULT2
+5
+12
-12
NC
E5
E4
5
994242
D
96214
G
SCALE NONE
SHEET 9

NOTES : UNLESS OTHERWISE SPECIFIED

1. CAPACITANCE VALUES ARE IN MICROFARADS
2. RESISTORS ARE 1/4W ± 5%
3. ⊳ DEPICTS OPEN COLLECTOR GATES
4. TO ENABLE RECOGNITION OF DELETE CHARACTER, JUMPER E2 TO E3. TO DISABLE RECOGNITION OF DELETE CHARACTER, JUMPER E1 TO E2
5. FOR DTR = "ON LINE" JUMPER E4 TO E8. FOR DTR = "ON LINE AND NOT BUSY" JUMPER E5 TO E6
6. FOR NORMAL REV. CH. JUMPER E8 TO E9. (STD) FOR INVERTED REV. CH. JUMPER E7 TO E8. (OPT)
7. REV G PWB 994243-0001 USES SOCKET FOR U11 AND REQUIRES PINS 2 AND 6 OF U11 TO BE CUT FOR USE WITH LINE BUFFER OPTION KITS LBE, LBT, AND LBP
8. JUMPER E11 TO E12 AND E13 TO E15 FOR USE WITH LINE BUFFER OPTION KITS LBE, LBT OR LBP. JUMPER E10 TO E11 AND E13 TO E14 FOR USE WITHOUT LINE BUFFER OPTION KITS LBE, LBT OR LBP.
9. DCO OPTION DISABLE ON REV H ARTWORK OR LATER BY INSTALLING JUMPER FROM E17 TO E18; ENABLED E17 TO E16
10. DCO OPTION ENABLED ON ARTWORK PRIOR TO REVISION H BY INSTALLING 6.8K Ω RES BETWEEN U31-10 AND U32-16; DISABLED WITH JUMPER WIRE BETWEEN U31-10 AND U39-7
11. DCO OPTION REQUIRES ZA3201 ROM (U36)
12. JUMPERS E25 THRU E27 AND E28 THRU E30 ARE FOR FUTURE USE. THE NORMAL POSITION OF THESE JUMPERS ARE E25 TO E26 AND E28 TO E29
13. PRIOR TO ASSEMBLY REV AZ U2,U3,U13 AND U14 WERE TMS 4039/2101

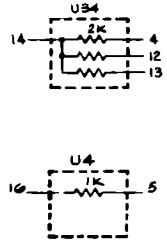
REVISIONS

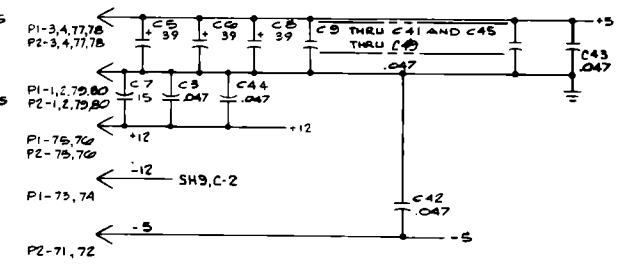
LTR	DESCRIPTION	DATE	APPROVED
A	CN4289G4	11/28/77	
B		2/9/78	
C	CN437110		
D	CN434158	11-22-78	
E	CN459000		
L	CN [illegible]	6-28-78	
G	CN438823		
H	CN454927(C)	12/3/79	
J	CN433688 (E)	12/21/79	
K	CN 452679(E)	12/19/79	



BLOCK DIAGRAM

SPARES





REV STATUS OF SHEETS	REV	–	L	M	–	G	J	–	–
	SH	1	2	3	4	5	6	7	8	9

PARTS LIST

QTY REQD	ITEM NO	CODE IDENT	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION

UNLESS OTHERWISE SPECIFIED
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIR
- DIMENSIONAL LIMITS APPLY BEFORE FINISH PROCESSING
- IDENTIFYING NUMBERS SHOWN IN PARENTHESES FOR REFERENCE ONLY
- INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100

HOLE TOLERANCE

THRU .031	± .001	THRU .031	± .001
.031 THRU .093	± .002	.031 THRU .093	± .002
.093 THRU .250	± .003	.093 THRU .250	± .003
.251 THRU 1.000	± .005	.251 THRU 1.000	± .005
1.001 THRU 2.000	± .007	1.001 THRU 2.000	± .007

NEXT ASSY	USED ON
994744	8795
APPLICATION	

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES ANGLES ±1°
- 3 PLACE DECIMALS ± .010
- 2 PLACE DECIMALS ± .02

	DATE
DWN	6/29/77
CHK	7/8/77
ENGR	
QA	7-1-77
PRO	7/11/77
CONTR NO	
CUSTOMER APPROVAL RELEASE	8/1/77

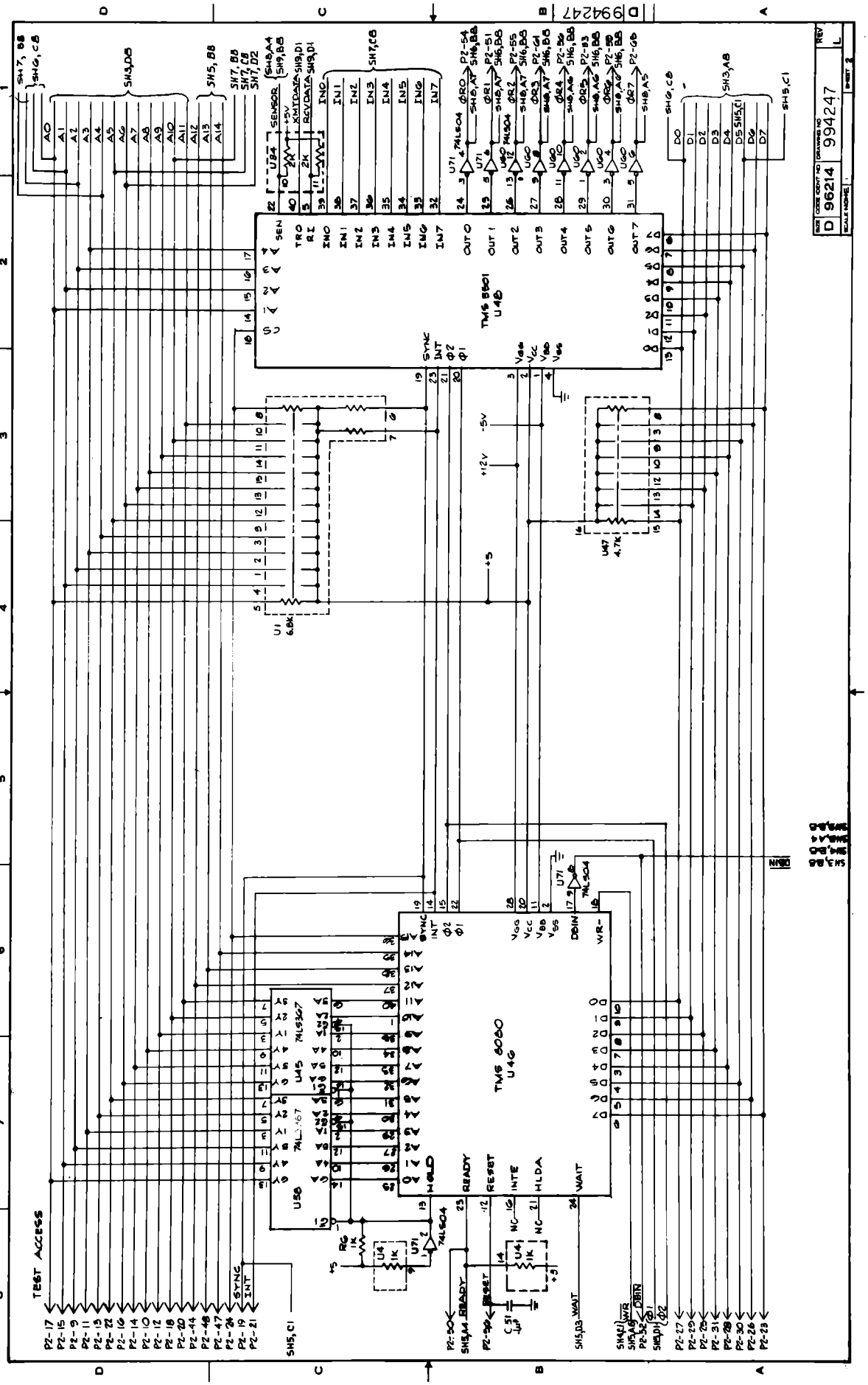
TEXAS INSTRUMENTS INCORPORATED Equipment Group Dallas, Texas

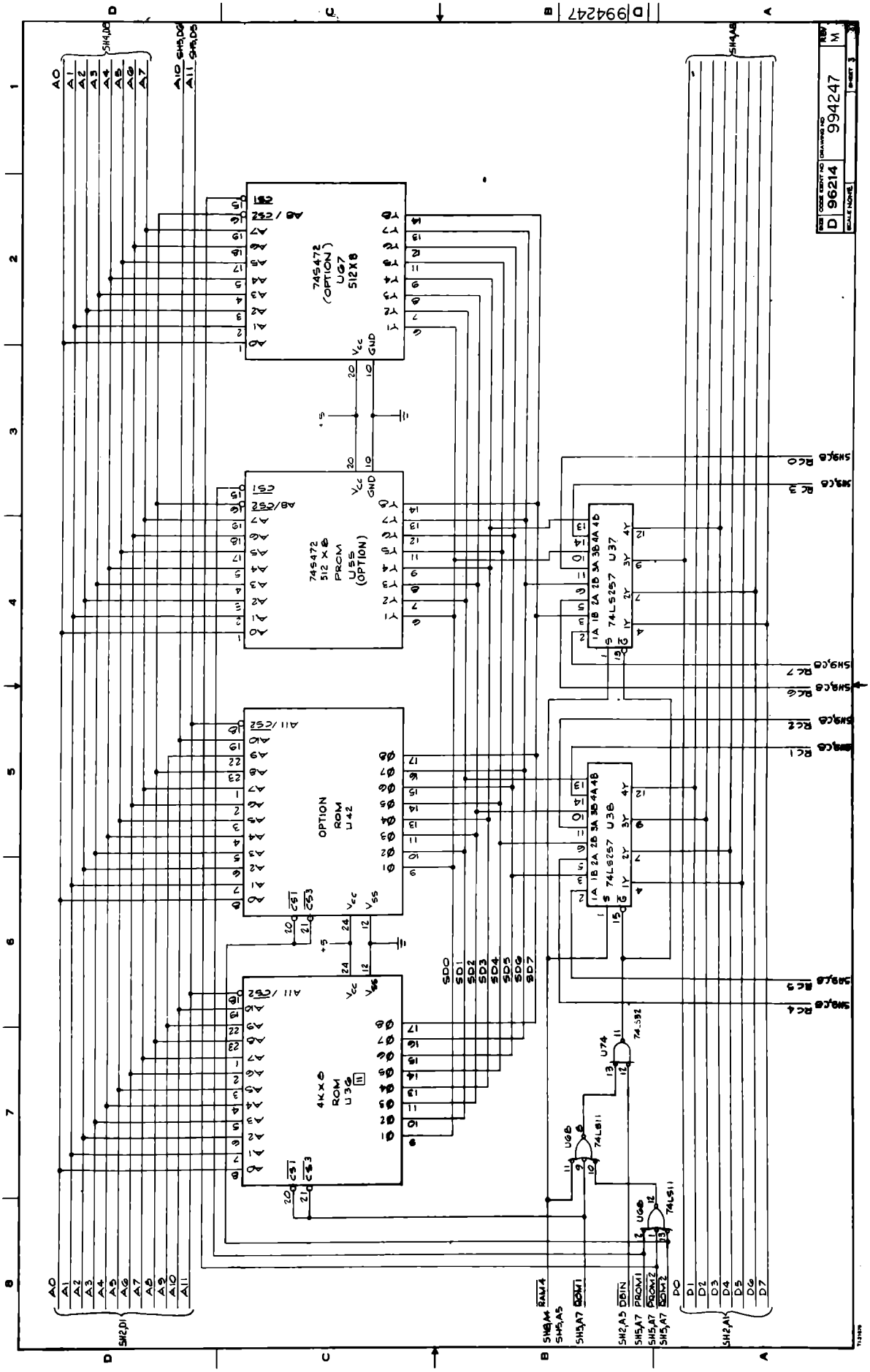
DIAGRAM, LOGIC, PROCESSOR, BIO

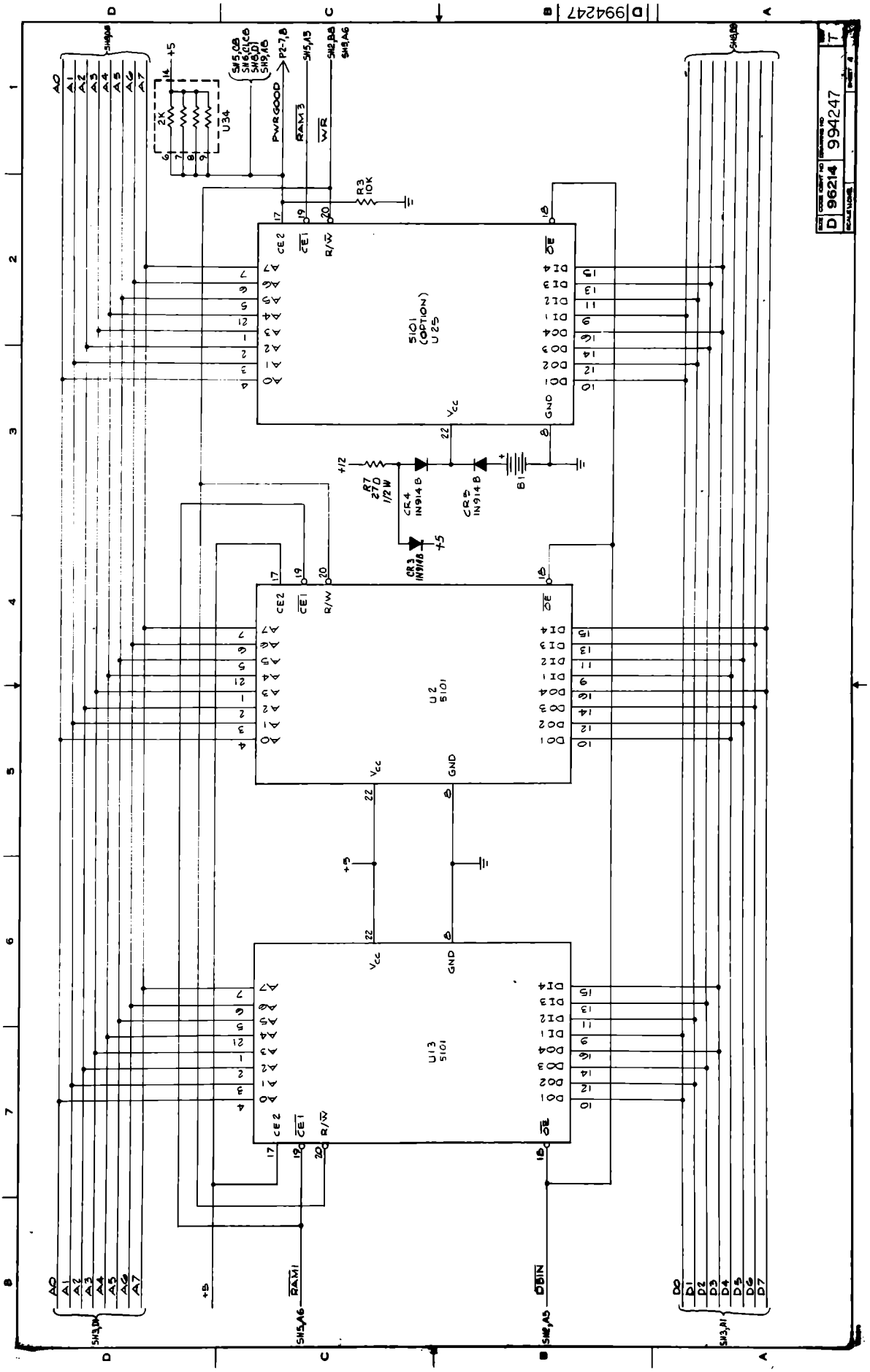
SIZE	CODE IDENT NO	DRAWING NO
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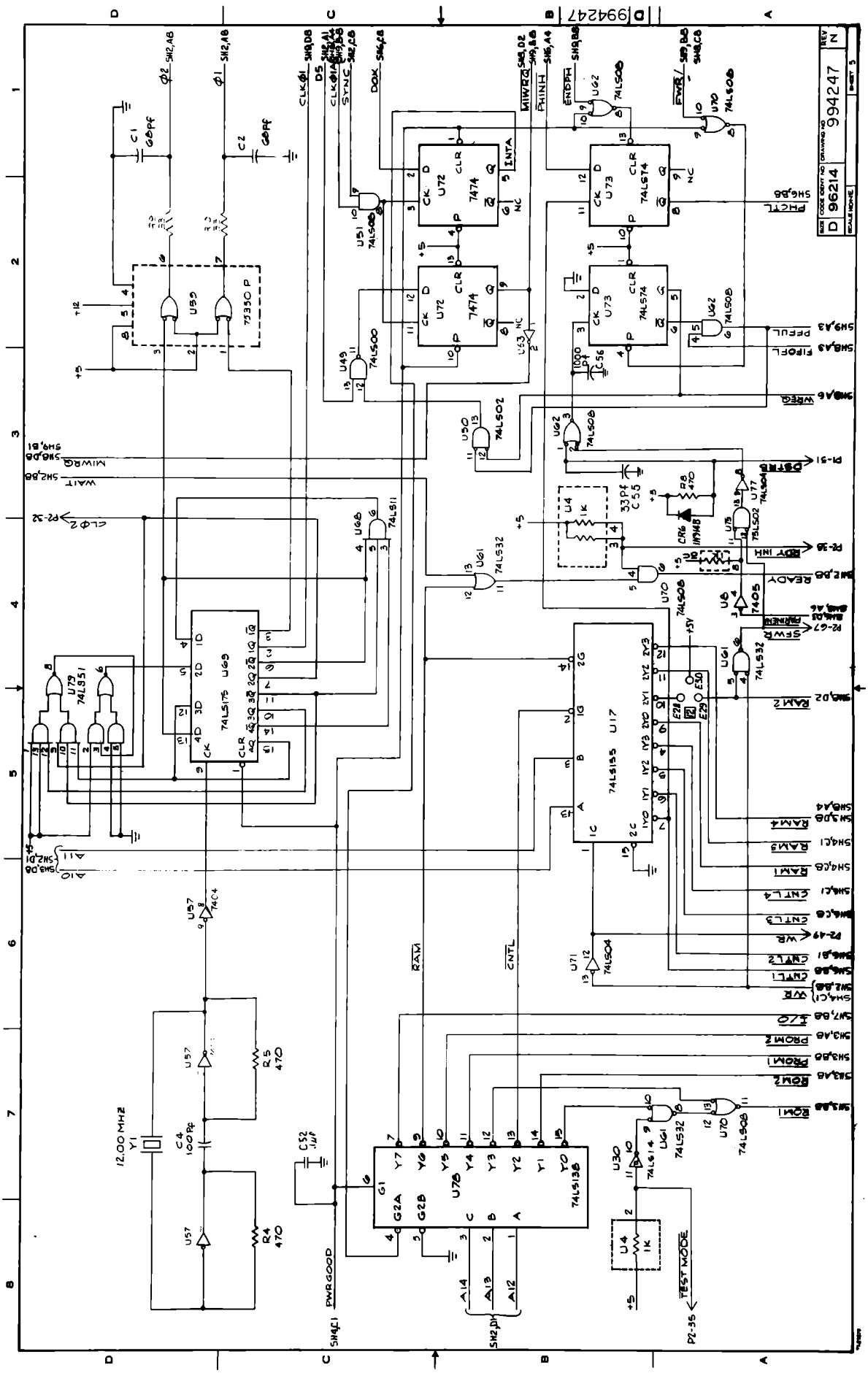
SCALE NONE SHEET 1 OF 9

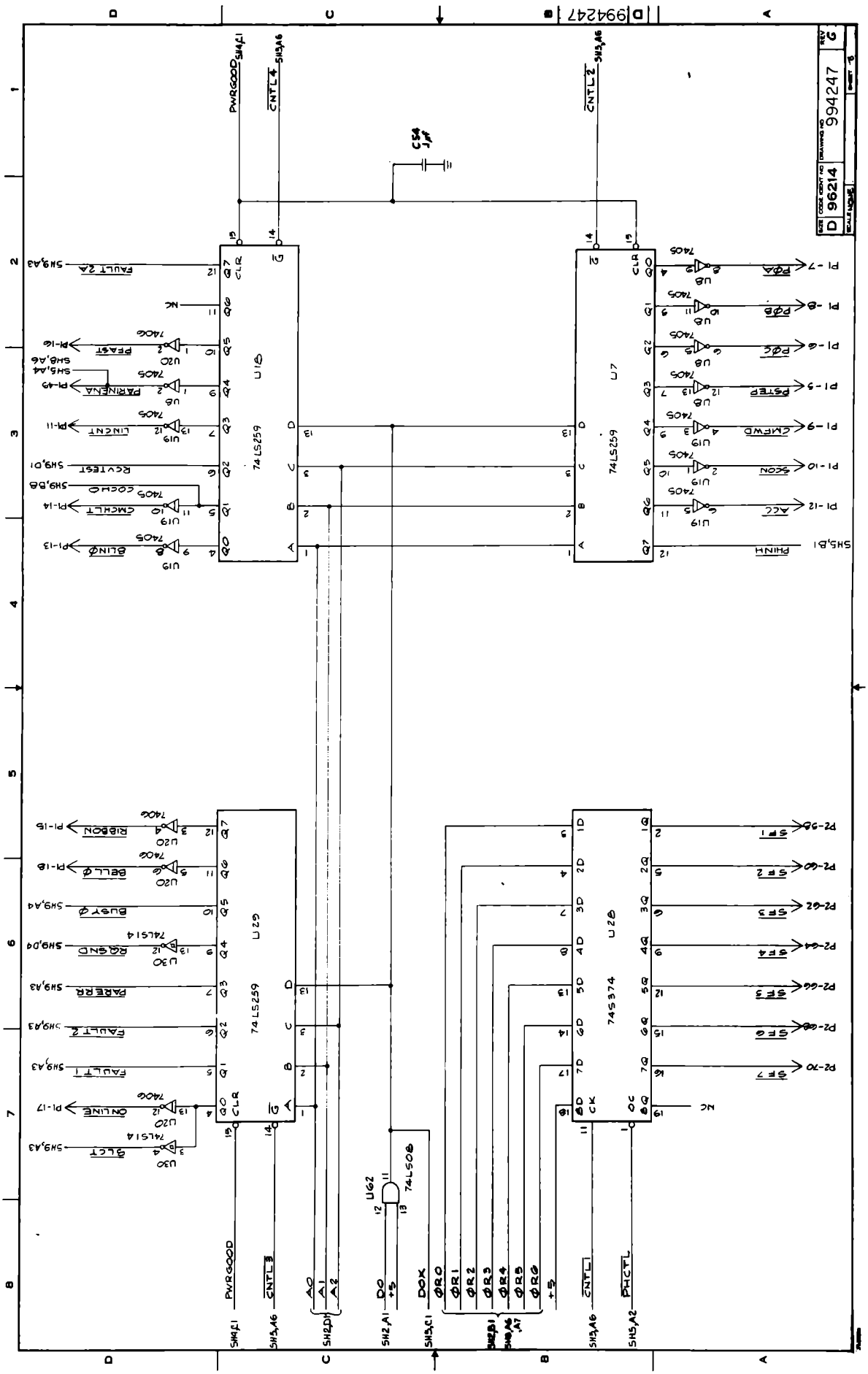
D994247

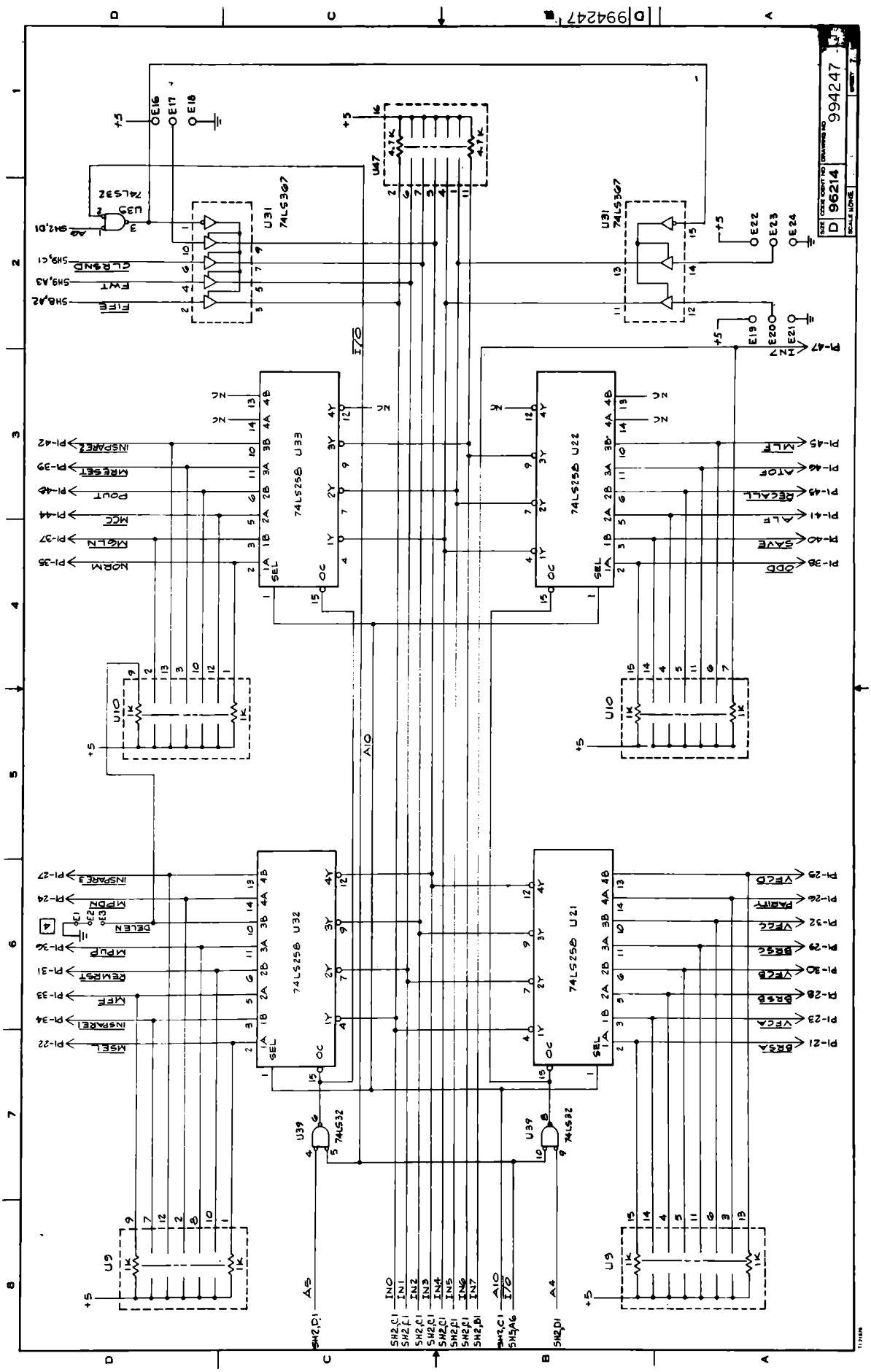

TMS 9901
U46
TMS 6060
U46
74LS04
74LS367
TEST ACCESS
SENSOR
+5V
XMITDATA
RCVDATA
SYNC
INT
READY
RESET
INTE
HLDA
WAIT
HOLD
WR-
DBIN
D 96214
994247

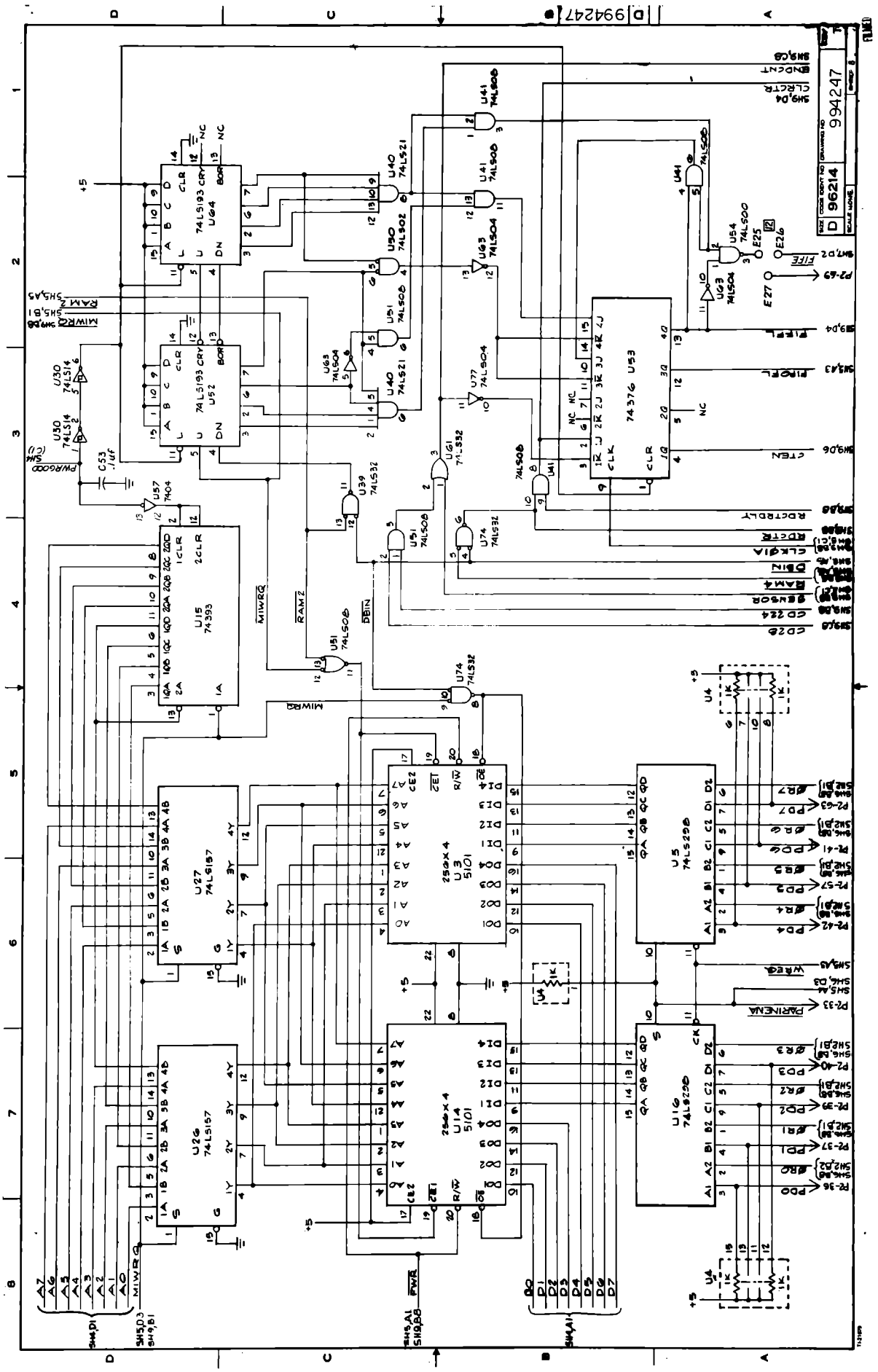

D994247
745472 (OPTION) U67 512X8
745472 512 X 8 PROM U55 (OPTION)
OPTION ROM U42
4K X 8 ROM U36
74LS257 U37
74LS257 U38
74LS11
74LS32
D 96214
994247

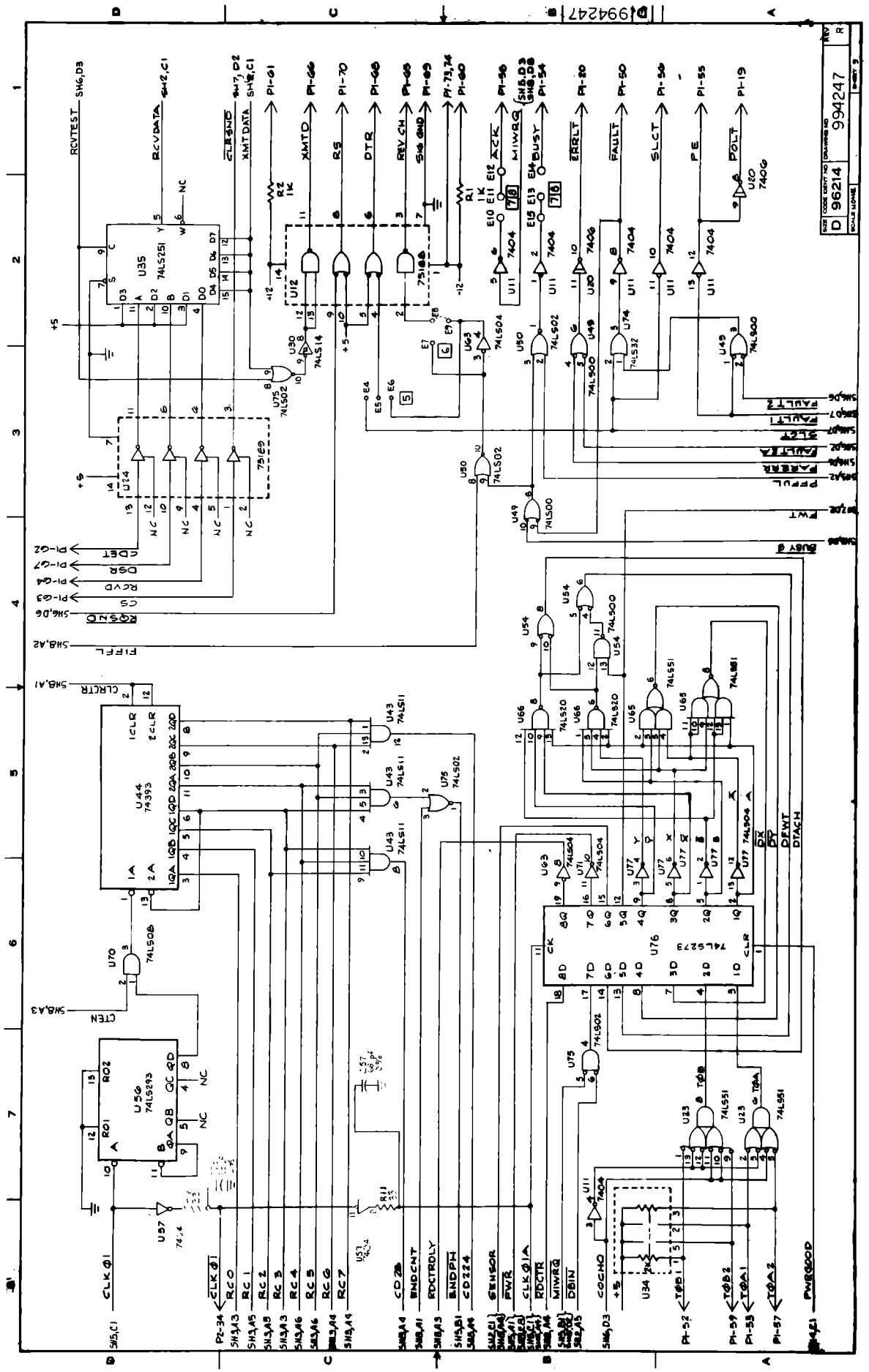

D 96214
994247
5101 (OPTION) U25
U2 5101
U13 5101
U34
R3 10K
R7 270 1/2W
CR4 IN914B
CR5 IN914B
CR3 IN914B
B1
PWR GOOD
RAM3
WR
RAM1
DBIN
+5
+12
+8

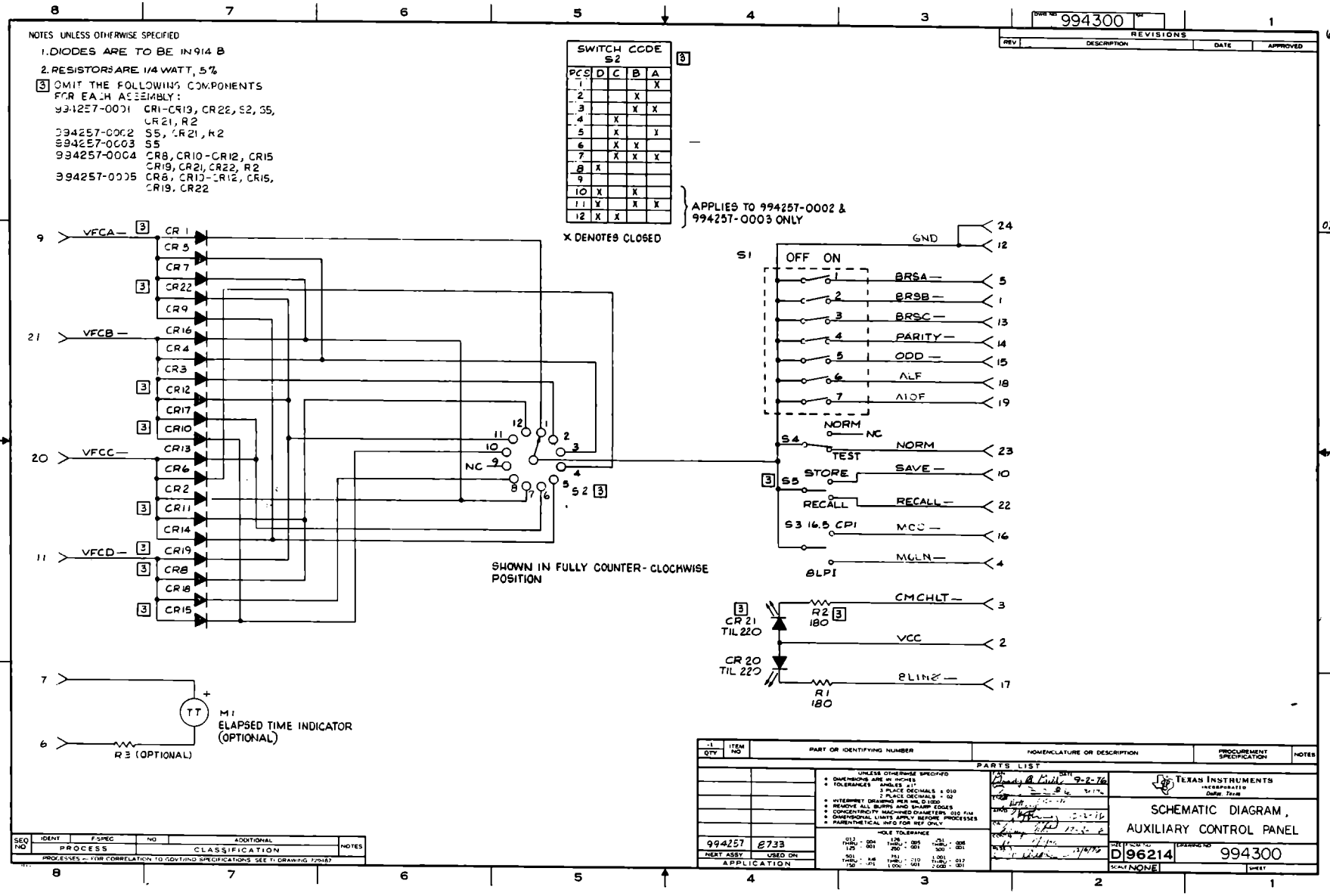


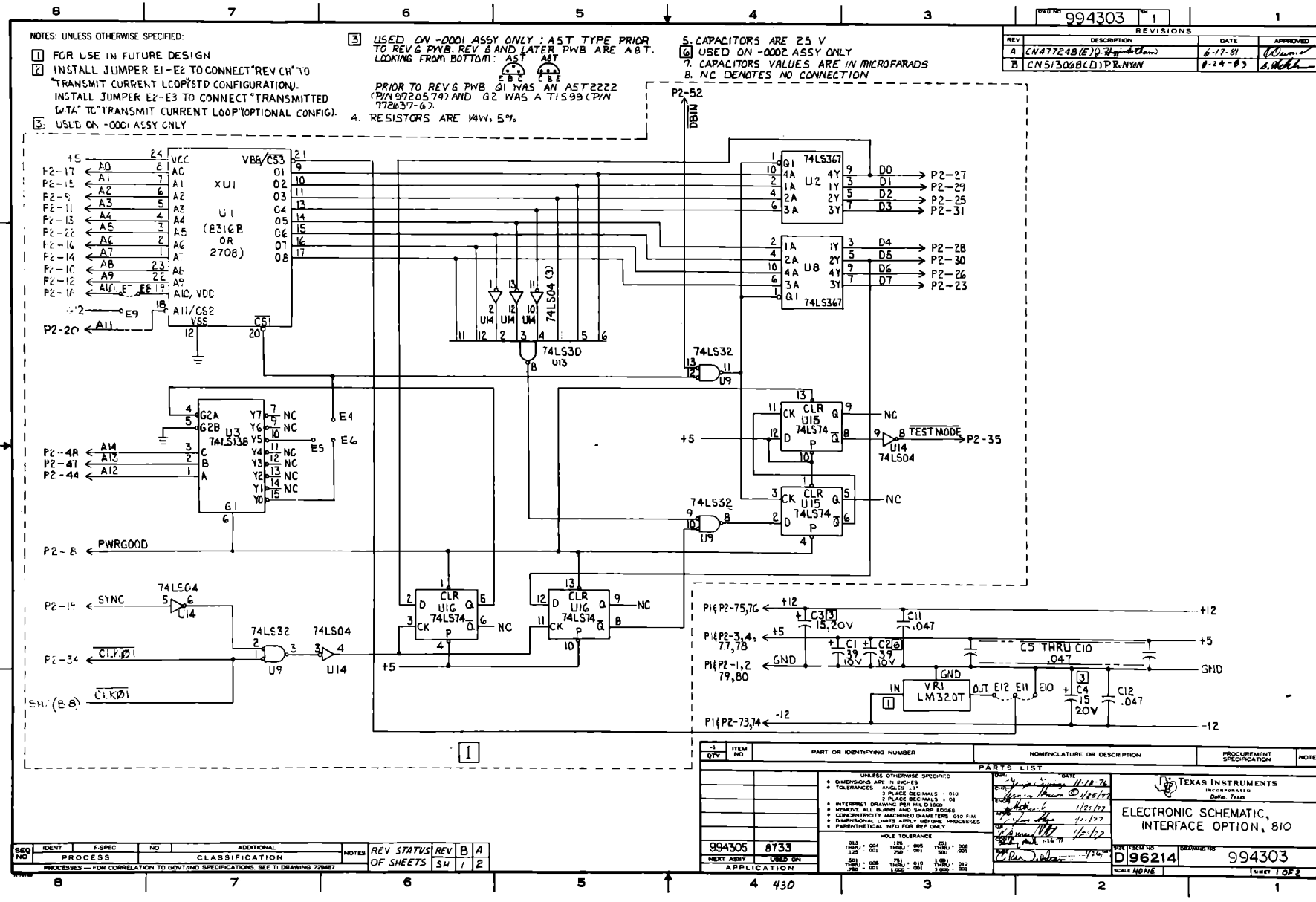

D 96214
994247
74LS259
74LS374
74LS08
74LS14
PWRGOOD
CNTL4
CNTL2
CNTL3
CNTL1
PHCTL
FAULT 2A
FAULT 2
FAULT 1
PARERR
RGEND
BUSTØ
BELLØ
RIBBON
GLCT
ONLINE
GLINØ
CMCHLT
RCVTEST
LINCNT
PARINHA
PFAST
PHINH
ACC
SCON
CMFWD
PSTEP
PØA
PØB
PØC
SF1
SF2
SF3
SF4
SF5
SF6
SF7
DOX
ØR0
ØR1
ØR2
ØR3
ØR4
ØR5
ØR6
+5
NC

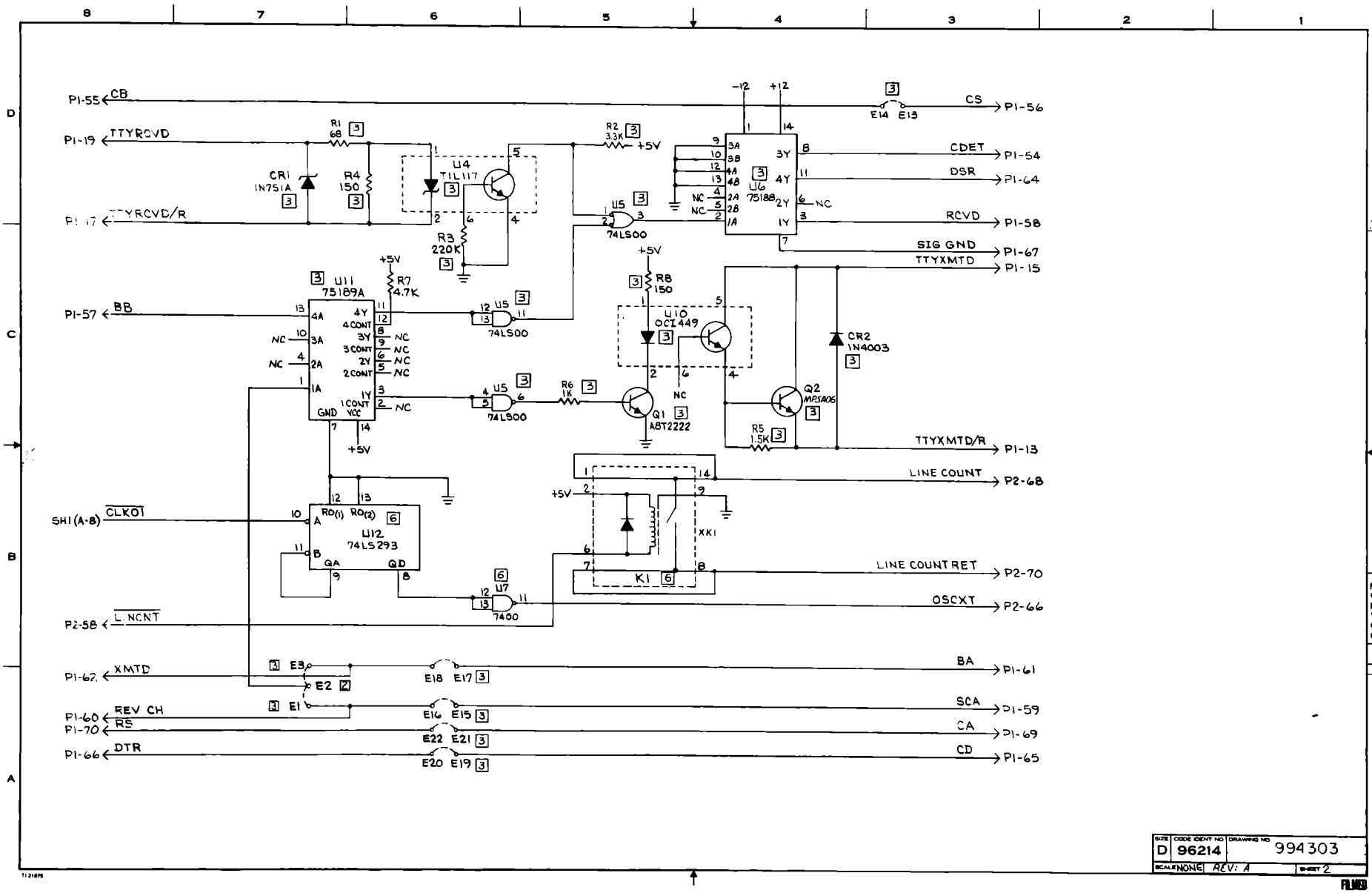

D 96214
994247
74LS367
74LS32
74LS258 U33
74LS258 U22
74LS258 U32
74LS258 U21
U31
U47
U10
U9
U39
U30
U20
U34
U23
U24
U35
U36
U37
U38
U25
U26
U27
U28
U29
U40
U41
U42
U43
U44
U45
U46
INSPARE2
MRESET
POUT
MCC
MGLN
NORM
INSPARE3
MPDN
DELEN
MPUP
REMRST
MFF
INSPARE1
MSEL
ODD
SAVE
ALF
REGALL
ATOF
MLF
VFCD
PARITY
VFCC
BRSC
VFCB
BRSB
VFCA
BRSA
A10
A5
A4
IN0
IN1
IN2
IN3
IN4
IN5
IN6
IN7






NOTES UNLESS OTHERWISE SPECIFIED
1. DIODES ARE TO BE IN914 B
2. RESISTORS ARE 1/4 WATT, 5%
[3] OMIT THE FOLLOWING COMPONENTS FOR EACH ASSEMBLY:
994257-0001 CR1-CR19, CR22, S2, S5, CR21, R2
994257-0002 S5, CR21, R2
994257-0003 S5
994257-0004 CR8, CR10-CR12, CR15 CR19, CR21, CR22, R2
994257-0005 CR8, CR10-CR12, CR15, CR19, CR22
SWITCH CODE S2 [3]
PCS D C B A
X DENOTES CLOSED
APPLIES TO 994257-0002 & 994257-0003 ONLY
VFCA— CR1 CR5 CR7 CR22 CR9
VFCB— CR16 CR4 CR3 CR12 CR17 CR10
VFCC— CR13 CR6 CR2 CR11 CR14
VFCD— CR19 CR8 CR18 CR15
S1 OFF ON
BRSA— BRSB— BRSC— PARITY— ODD— ALF— AIOF—
GND
NORM NC
S4 TEST
NORM
SAVE—
S5 STORE
RECALL
RECALL—
S3 16.5 CPI
MCC—
BLPI
MCLN—
S2 [3]
SHOWN IN FULLY COUNTER-CLOCKWISE POSITION
CR21 TIL220
R2 180
CMCHLT—
VCC
CR20 TIL220
R1 180
BLINK—
M1 ELAPSED TIME INDICATOR (OPTIONAL)
R3 (OPTIONAL)
REVISIONS
REV DESCRIPTION DATE APPROVED
PARTS LIST
QTY ITEM NO PART OR IDENTIFYING NUMBER NOMENCLATURE OR DESCRIPTION PROCUREMENT SPECIFICATION NOTES
TEXAS INSTRUMENTS INCORPORATED Dallas, Texas
SCHEMATIC DIAGRAM, AUXILIARY CONTROL PANEL
D96214
994300
SCALE NONE
SEQ NO IDENT F-SPEC NO ADDITIONAL NOTES
PROCESS CLASSIFICATION
994257 8733
NEXT ASSY USED ON
APPLICATION


994303
REVISIONS
REV A CN47724B(E) 6-17-81
REV B CN5130GB(LD) P.RUNYAN 8-24-83
NOTES: UNLESS OTHERWISE SPECIFIED:
1. FOR USE IN FUTURE DESIGN
2. INSTALL JUMPER E1-E2 TO CONNECT "REV CH" TO "TRANSMIT CURRENT LOOP" STD CONFIGURATION). INSTALL JUMPER E2-E3 TO CONNECT "TRANSMITTED DATA" TO "TRANSMIT CURRENT LOOP" (OPTIONAL CONFIG).
3. USED ON -0001 ASSY ONLY
3. USED ON -0001 ASSY ONLY: A5T TYPE PRIOR TO REV G PWB. REV G AND LATER PWB ARE A8T. LOOKING FROM BOTTOM: A5T A8T
PRIOR TO REV G PWB Q1 WAS AN AST2222 (P/N 9720574) AND Q2 WAS A TIS99 (P/N 7726377-6).
4. RESISTORS ARE 1/4W, 5%
5. CAPACITORS ARE 25 V
6. USED ON -0002 ASSY ONLY
7. CAPACITORS VALUES ARE IN MICROFARADS
8. NC DENOTES NO CONNECTION
P2-52
DBIN
XU1
U1
(8316B OR 2708)
74LS367
U2
U8
74LS04 (3)
U14
74LS30
U13
74LS32
U9
74LS138
U3
74LS74
U15
U16
74LS04
U14
TESTMODE
P2-35
PWRGOOD
P2-8
SYNC
P2-19
CLKØ1
P2-34
SH. (B8)
+5
+12
-12
GND
C1 39 10V
C2 39 10V
C3 15, 20V
C4 15 20V
C5 THRU C10 .047
C11 .047
C12 .047
VR1 LM320T
P1 & P2-75,76
P1 & P2-3,4, 77,78
P1 & P2-1,2 79,80
P1 & P2-73,74
PARTS LIST
994305 8733
TEXAS INSTRUMENTS INCORPORATED Dallas, Texas
ELECTRONIC SCHEMATIC, INTERFACE OPTION, 810
SIZE D 96214
DRAWING NO 994303
SCALE NONE
SHEET 1 OF 2
430



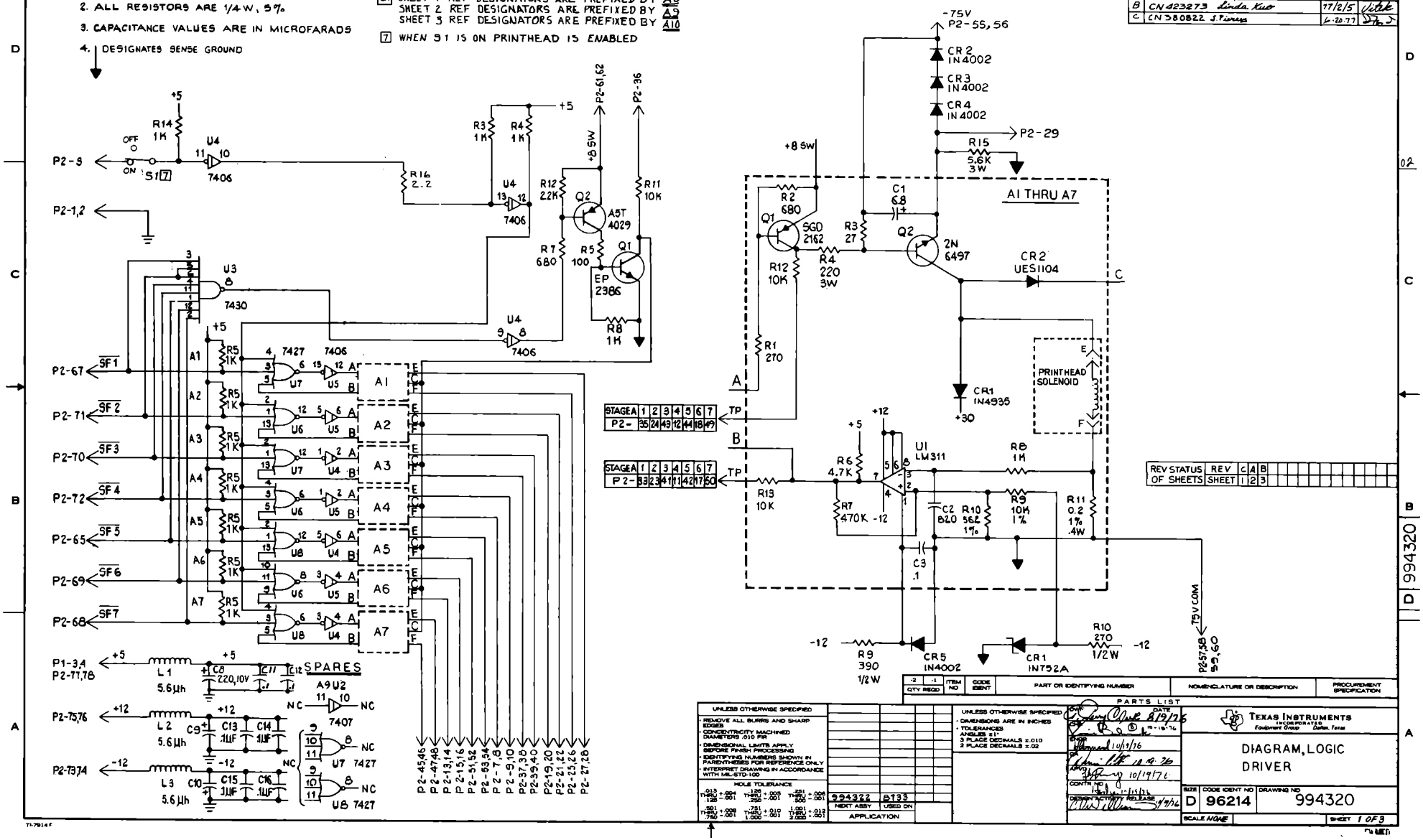
SIZE	CODE IDENT NO	DRAWING NO
D	96214	994303
SCALE NONE	REV: A	SHEET 2

D 994303

NOTES : UNLESS OTHERWISE SPECIFIED

1. RESISTANCE VALUES ARE IN OHMS
2. ALL RESISTORS ARE 1/4 W, 5%
3. CAPACITANCE VALUES ARE IN MICROFARADS
4. ⏚ DESIGNATES SENSE GROUND
5. ▷ DESIGNATES OPEN COLLECTOR GATE
6. SHEET 1 REF DESIGNATORS ARE PREFIXED BY A8
   SHEET 2 REF DESIGNATORS ARE PREFIXED BY A9
   SHEET 3 REF DESIGNATORS ARE PREFIXED BY A10
7. WHEN S1 IS ON PRINTHEAD IS ENABLED
8. ALL COMPONENTS NOT SHOWN IN A STAGE ARE UNDERSTOOD TO BE IN STAGE "A8"

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	NR 908571(C) A.C. CLARK	10/26/76	
B	CN 423273 Linda Kuo	11/2/76	
C	CN 580822 J. Finney	6-20-77	



REV STATUS	REV	C	A	B
OF SHEETS	SHEET	1	2	3

QTY REQD	ITEM NO	CODE IDENT	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION

PARTS LIST

UNLESS OTHERWISE SPECIFIED
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIR
- DIMENSIONAL LIMITS APPLY BEFORE FINISH PROCESSING
- IDENTIFYING NUMBERS SHOWN IN PARENTHESES FOR REFERENCE ONLY
- INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100

HOLE TOLERANCE

.013 THRU .128	.128 THRU .250	.251 THRU .500
+.004 -.001	+.005 -.001	+.005 -.001
.501 THRU .750	.751 THRU 1.000	1.001 THRU 2.000
+.008 -.001	+.010 -.001	+.012 -.001

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES ANGLES ±1°
  3 PLACE DECIMALS ±.010
  2 PLACE DECIMALS ±.02

NEXT ASSY	USED ON
994322	BT33
APPLICATION	

	NAME	DATE
DRAWN	Larry Clark	8/19/76
CHK		10-19-76
ENGR	Edmund	10/19/76
APPD		10/19/76
CONTR NO		
DESIGN ACTIVITY RELEASE		10/19/76

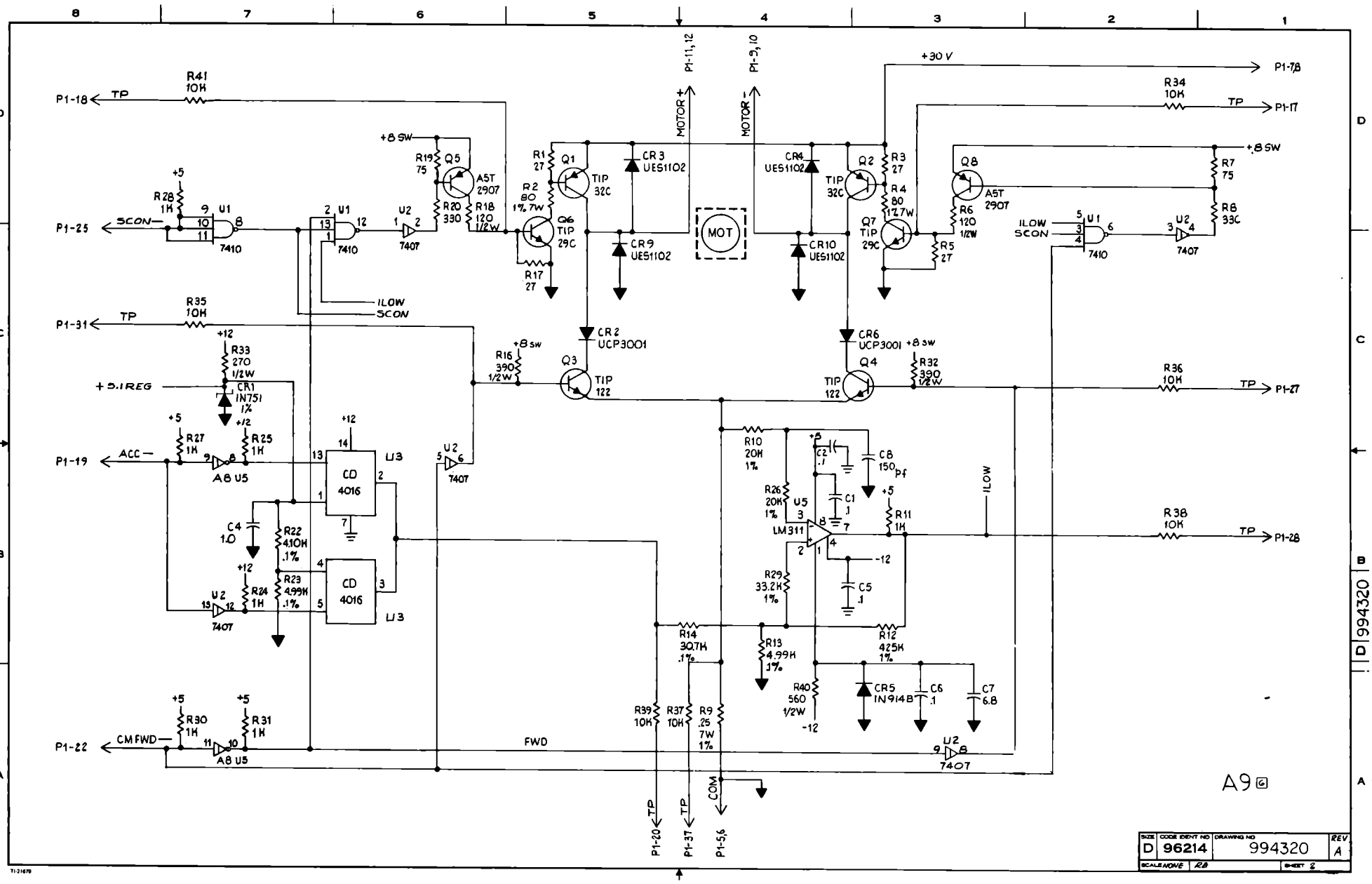
TEXAS INSTRUMENTS INCORPORATED Equipment Group Dallas, Texas

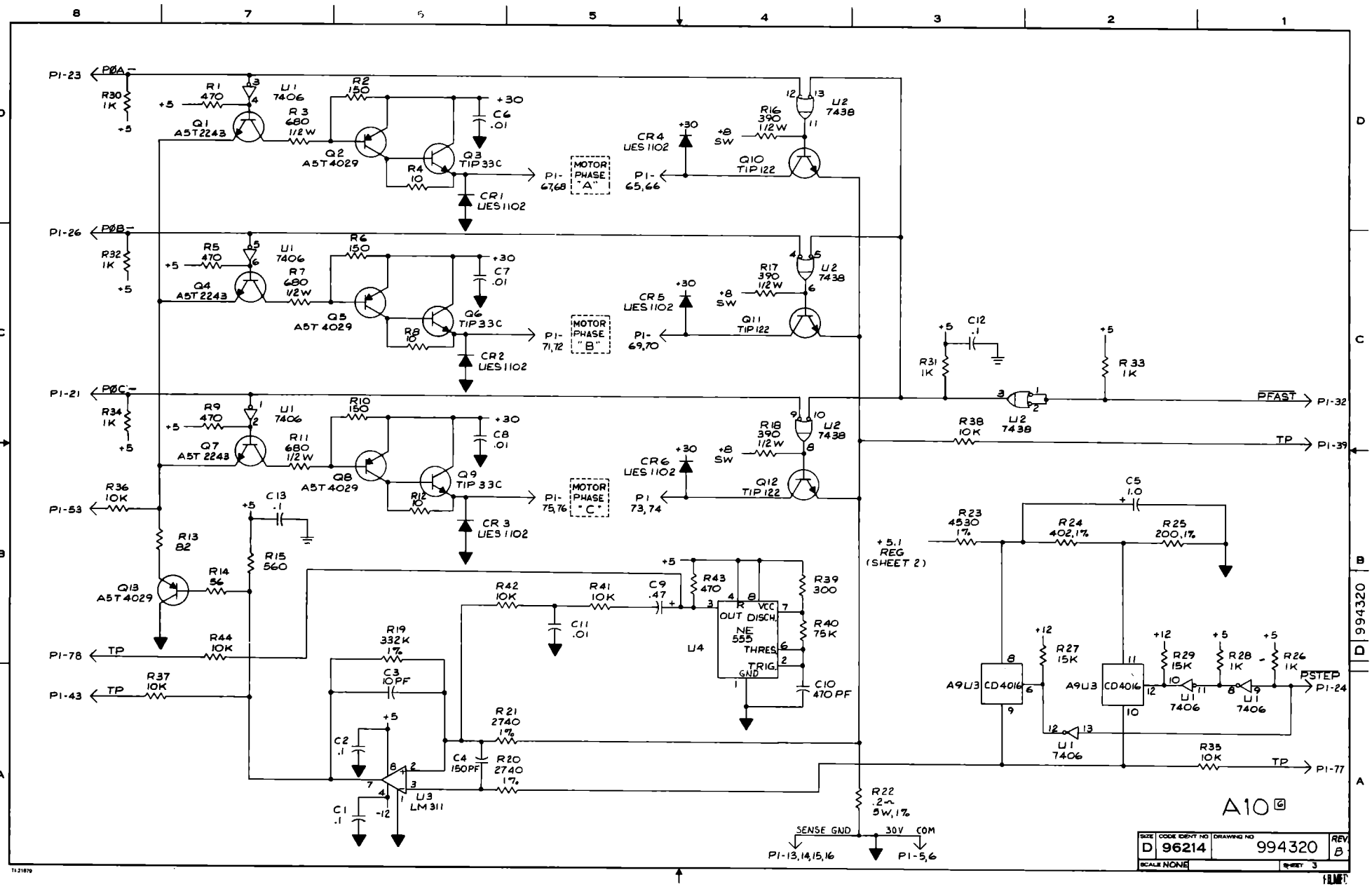
DIAGRAM, LOGIC DRIVER

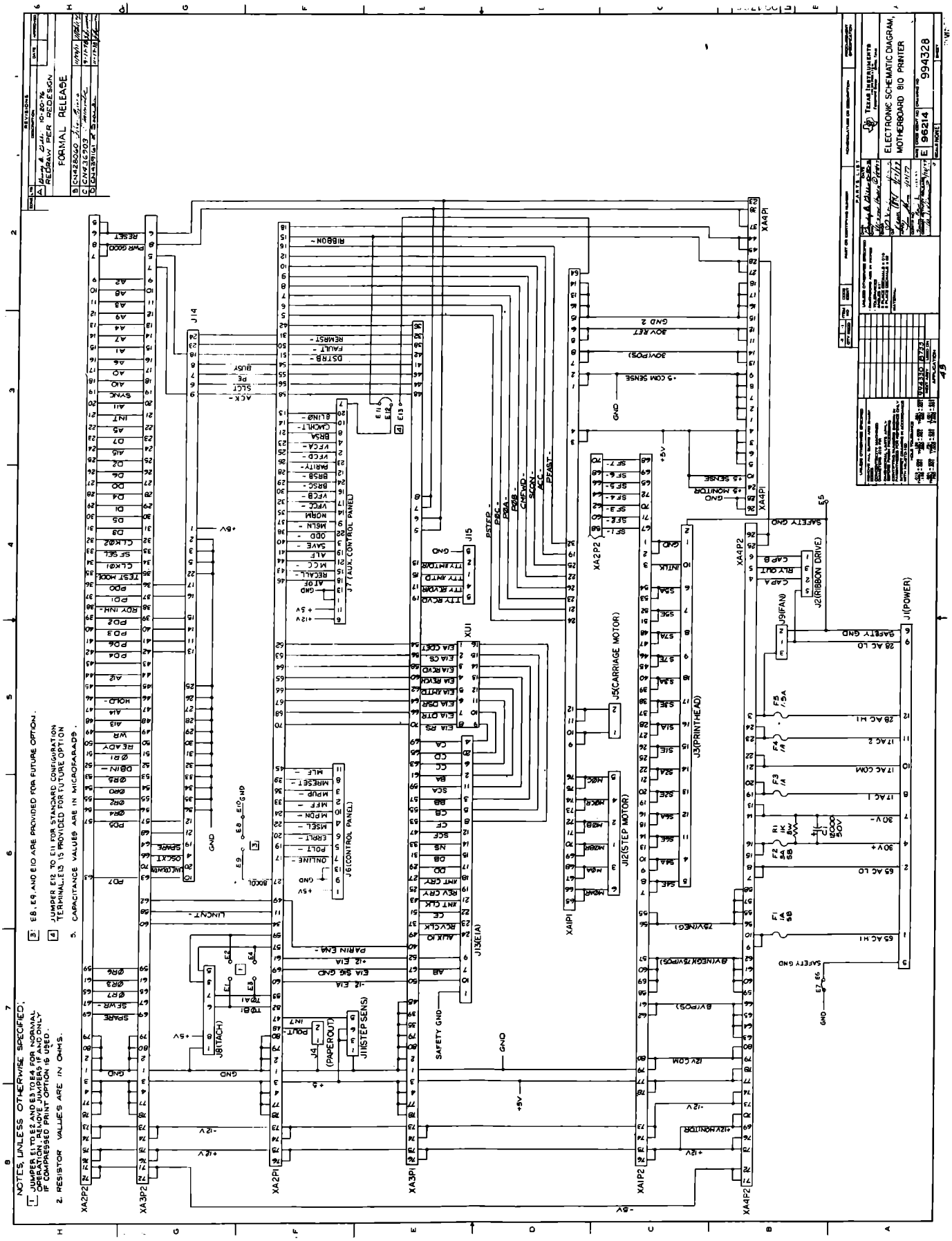
SIZE	CODE IDENT NO	DRAWING NO
D	96214	994320

SCALE NONE | SHEET 1 OF 3

TI-7914 F

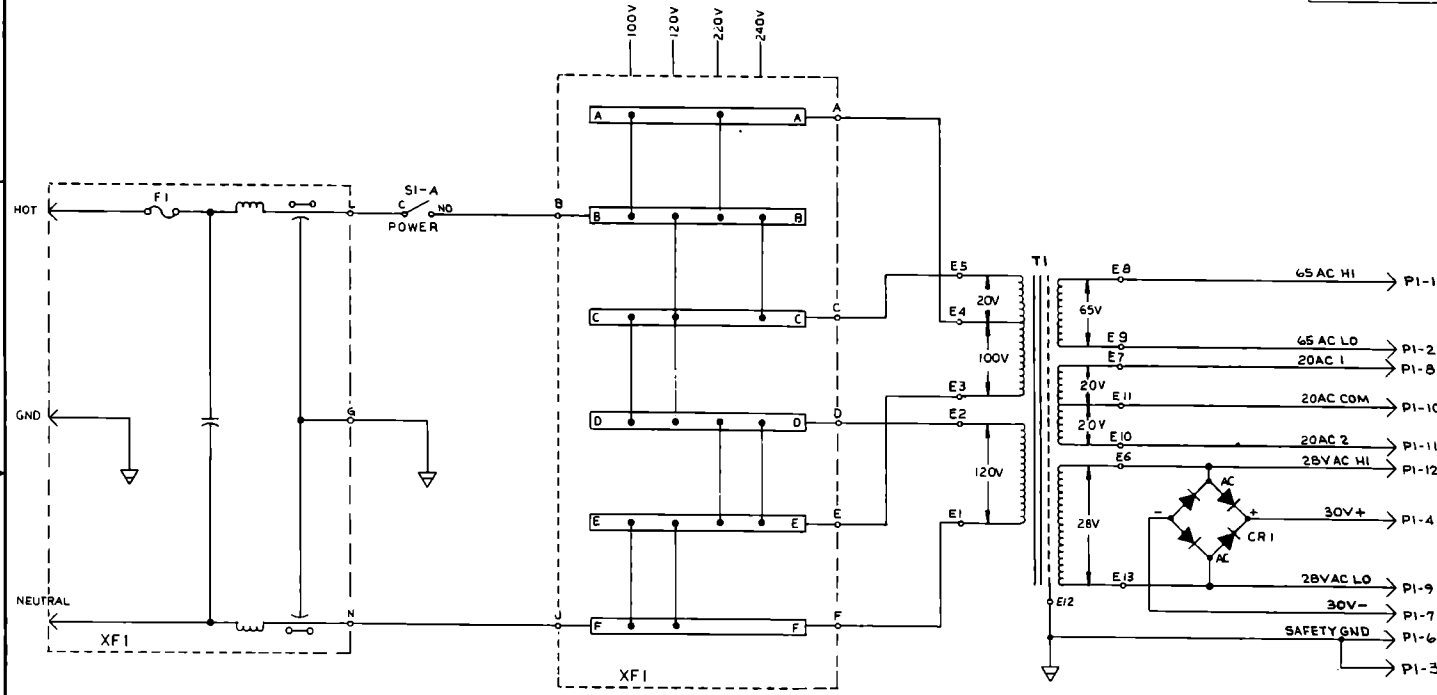

P1-18
TP
R41
10K
P1-25
SCON
P1-31
R35
10K
+5.1REG
P1-19
ACC
P1-22
CM FWD
P1-11, 12
P1-9, 10
MOTOR +
MOTOR -
MOT
+30 V
P1-7,8
R34
10K
P1-17
+8 SW
R19
75
Q5
A5T
2907
R20
330
R18
120
1/2W
R28
1K
7410
7407
ILOW
SCON
R1
27
Q1
TIP
32C
R2
80
1% 7W
Q6
TIP
29C
R17
27
CR3
UES1102
CR9
UES1102
CR4
UES1102
CR10
UES1102
Q2
TIP
32C
R3
27
R4
80
1% 7W
Q7
TIP
29C
R5
27
Q8
A5T
2907
R6
120
1/2W
R7
75
R8
33C
R33
270
1/2W
CR1
IN751
1%
R16
390
1/2W
CR2
UCP3001
Q3
TIP
122
CR6
UCP3001
Q4
TIP
122
R32
390
1/2W
R36
10K
P1-27
R27
1K
R25
1K
A8 U5
U3
CD
4016
C4
1.0
R22
410K
.1%
R23
4.99K
.1%
R24
1K
R10
20K
1%
C2
.1
C8
150pf
R26
20K
1%
U5
LM311
C1
.1
R11
1K
C5
.1
-12
R29
33.2K
1%
R38
10K
P1-28
R14
30.1K
.1%
R13
4.99K
1%
R12
425K
1%
R40
560
1/2W
CR5
IN914B
C6
.1
C7
6.8
R30
1K
R31
1K
R39
10K
R37
10K
R9
.25
7W
1%
FWD
COM
P1-20
P1-37
P1-5,6
A9
D
96214
994320
A
SCALE NONE
SHEET 2
10-25


P1-23 PØA
P1-26 PØB
P1-21 PØC
P1-53
P1-78 TP
P1-43 TP
R30 1K
R32 1K
R34 1K
R36 10K
R37 10K
R44 10K
+5
Q1 A5T2243
Q4 A5T2243
Q7 A5T2243
Q13 A5T4029
R1 470
R5 470
R9 470
R14 56
R15 560
R13 82
U1 7406
R2 150
R6 150
R10 150
R3 680 1/2W
R7 680 1/2W
R11 680 1/2W
Q2 A5T4029
Q5 A5T4029
Q8 A5T4029
R4 10
R8 10
R12 10
Q3 TIP33C
Q6 TIP33C
Q9 TIP33C
+30
C6 .01
C7 .01
C8 .01
CR1 UES1102
CR2 UES1102
CR3 UES1102
P1-67,68 MOTOR PHASE "A"
P1-71,72 MOTOR PHASE "B"
P1-75,76 MOTOR PHASE "C"
CR4 UES1102
CR5 UES1102
CR6 UES1102
+8 SW
R16 390 1/2W
R17 390 1/2W
R18 390 1/2W
Q10 TIP122
Q11 TIP122
Q12 TIP122
P1-65,66
P1-69,70
P1 73,74
U2 7438
C13 .1
R38 10K
TP P1-39
PFAST P1-32
C12 .1
R31 1K
R33 1K
C5 1.0
+5.1 REG (SHEET 2)
R23 4530 1%
R24 402,1%
R25 200,1%
R35 10K
TP P1-77
PSTEP P1-24
A9U3 CD4016
R27 15K
R29 15K
R28 1K
R26 1K
U1 7406
R19 332K 1%
C3 10PF
C2 .1
C4 150PF
R21 2740 1%
R20 2740 1%
C1 .1
-12
U3 LM311
R42 10K
R41 10K
C9 .47
C11 .01
R43 470
R39 300
R40 75K
C10 470PF
U4 NE 555
OUT DISCH. VCC THRES TRIG. GND
R22 .2Ω 5W,1%
SENSE GND
30V COM
P1-13,14,15,16
P1-5,6
A10
SIZE D
CODE IDENT NO 96214
DRAWING NO 994320
REV B
SCALE NONE
SHEET 3
994320


ELECTRONIC SCHEMATIC DIAGRAM, MOTHERBOARD 810 PRINTER
994328
FORMAL RELEASE
REDRAW PER REDESIGN
NOTES, UNLESS OTHERWISE SPECIFIED:
1. JUMPER E1 TO E2 AND E3 TO E4 FOR NORMAL OPERATION. REMOVE JUMPERS IF AND ONLY IF COMPRESSED PRINT OPTION IS USED.
2. RESISTOR VALUES ARE IN OHMS.
3. E8, E9, AND E10 ARE PROVIDED FOR FUTURE OPTION.
4. JUMPER E12 TO E11 FOR STANDARD CONFIGURATION TERMINAL E13 IS PROVIDED FOR FUTURE OPTION
5. CAPACITANCE VALUES ARE IN MICROFARADS.
J1(POWER)
J2(RIBBON DRIVE)
J3(PRINTHEAD)
J4(PAPEROUT)
J5(CARRIAGE MOTOR)
J6(CONTROL PANEL)
J7 (AUX. CONTROL PANEL)
J8(TACH)
J9(FAN)
J11(STEP SENS)
J12(STEP MOTOR)
J13(E1A)
J14
J15
XU1
XA1P1
XA1P2
XA2P1
XA2P2
XA3P1
XA3P2
XA4P1
XA4P2
SAFETY GND
GND
+5V
-5V
+12V
-12V
30V RET
30V(POS)
+5 COM SENSE
+5 MONITOR
+12V MONITOR
12V COM
-12V
BUSY
SLCT
ACK-
RESET
PWR GOOD
RIBBON-
DSTRB-
FAULT-
REMRST-
PSTEP-
PBC-
PDA-
PDB-
CMDWD-
SCAN-
ACC-
PFAST-
F1 4A 5B
F2 8A 5B
F3 1A
F4 1A
F5 1.5A
R1 1K 1W
C1 1000 50V
DATE 10-20-76
DRAWN
CHECKED
APPROVED
Texas Instruments
Austin, Texas

NOTES: UNLESS OTHERWISE SPECIFIED:

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED & REDRAWN FORMAL RELEASE	10/27/76 11/15/76	



F1	3A	3A	1.5A	1.5A
	100	120	220	240

SEQ NO	IDENT	F SPEC	NO	ADDITIONAL	NOTES
	PROCESS			CLASSIFICATION	
PROCESSES — FOR CORRELATION TO GOVT IND SPECIFICATIONS SEE TI DRAWING 729487					

-1 QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES
			PARTS LIST		

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES ANGLES ±1°
  1 PLACE DECIMALS ± .010
  2 PLACE DECIMALS ± .03
- INTERPRET DRAWING PER MIL-D-1000
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIM
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

.010 THRU .125	.004 .001	.126 THRU .250	.005 .001	.251 THRU .500	.006 .001
.501 THRU .750	.007 .001	.751 THRU 1.000	.010 .001	1.001 THRU 2.000	.012 .001

994373	8733
NEXT ASSY	USED ON
APPLICATION	

DWG NO 994384 REV

DRAWN 10/27/76
CHK 11/15/76
ENGR 11/15/76
MFG 11/01/76
QA 11/15/76
CONTR 11/15/76
RLSE 11/15/76

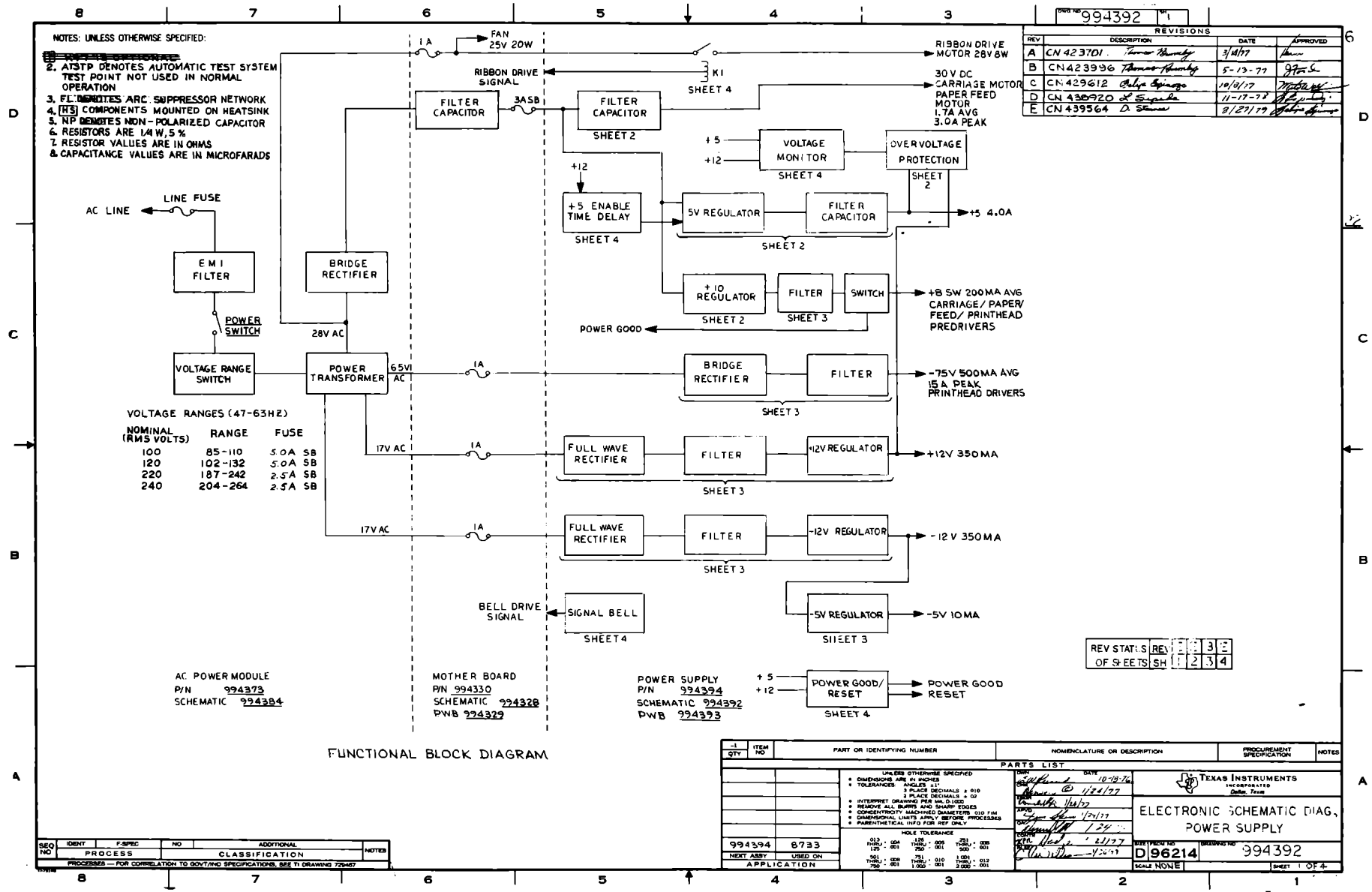
TEXAS INSTRUMENTS INCORPORATED Dallas, Texas

ELECTRONIC SCHEMATIC DIAGRAM, AC POWER MODULE

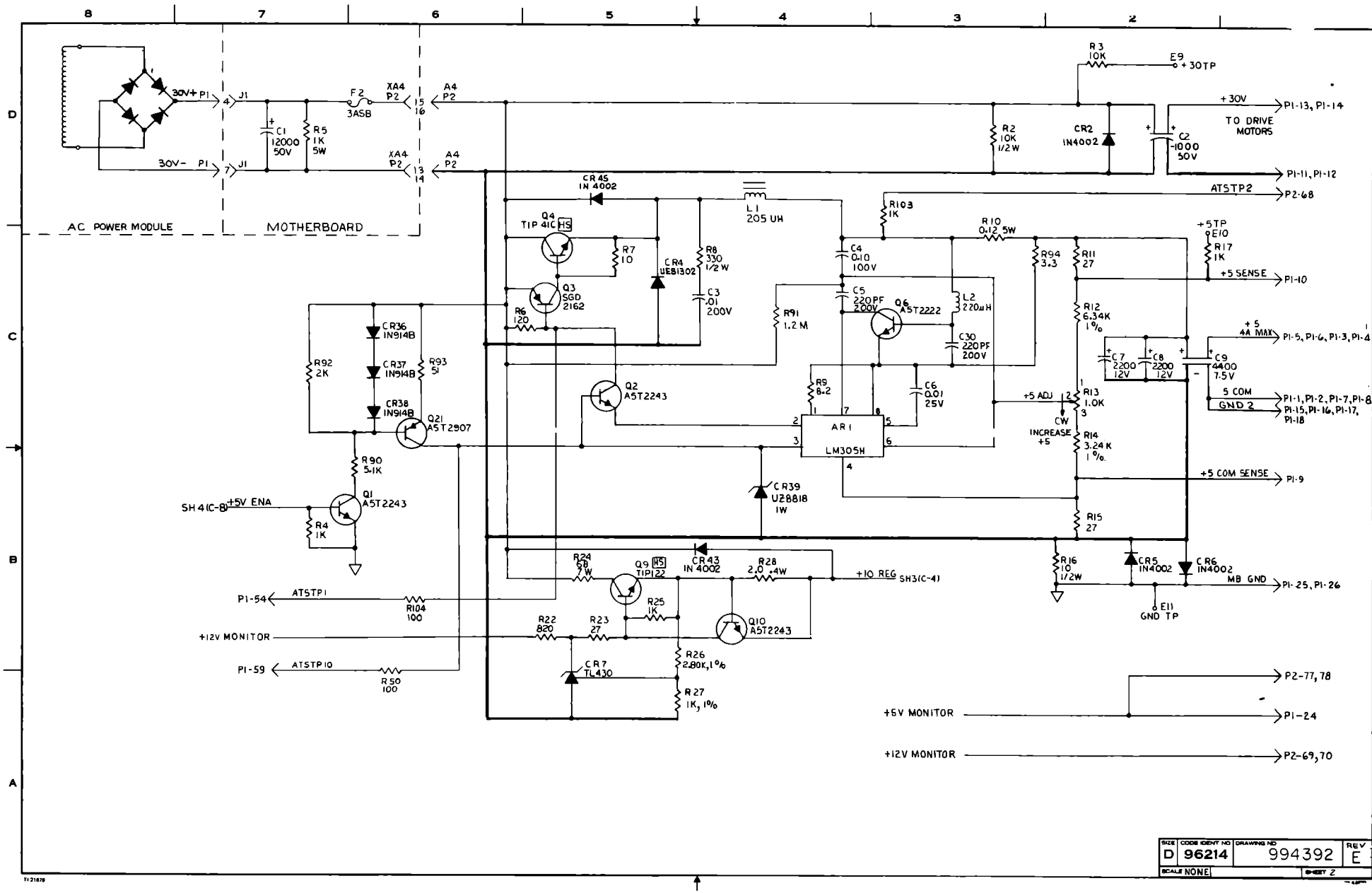
SIZE D | FSCM NO 96214 | DRAWING NO 994384

SCALE NONE | REV A | SHEET

44

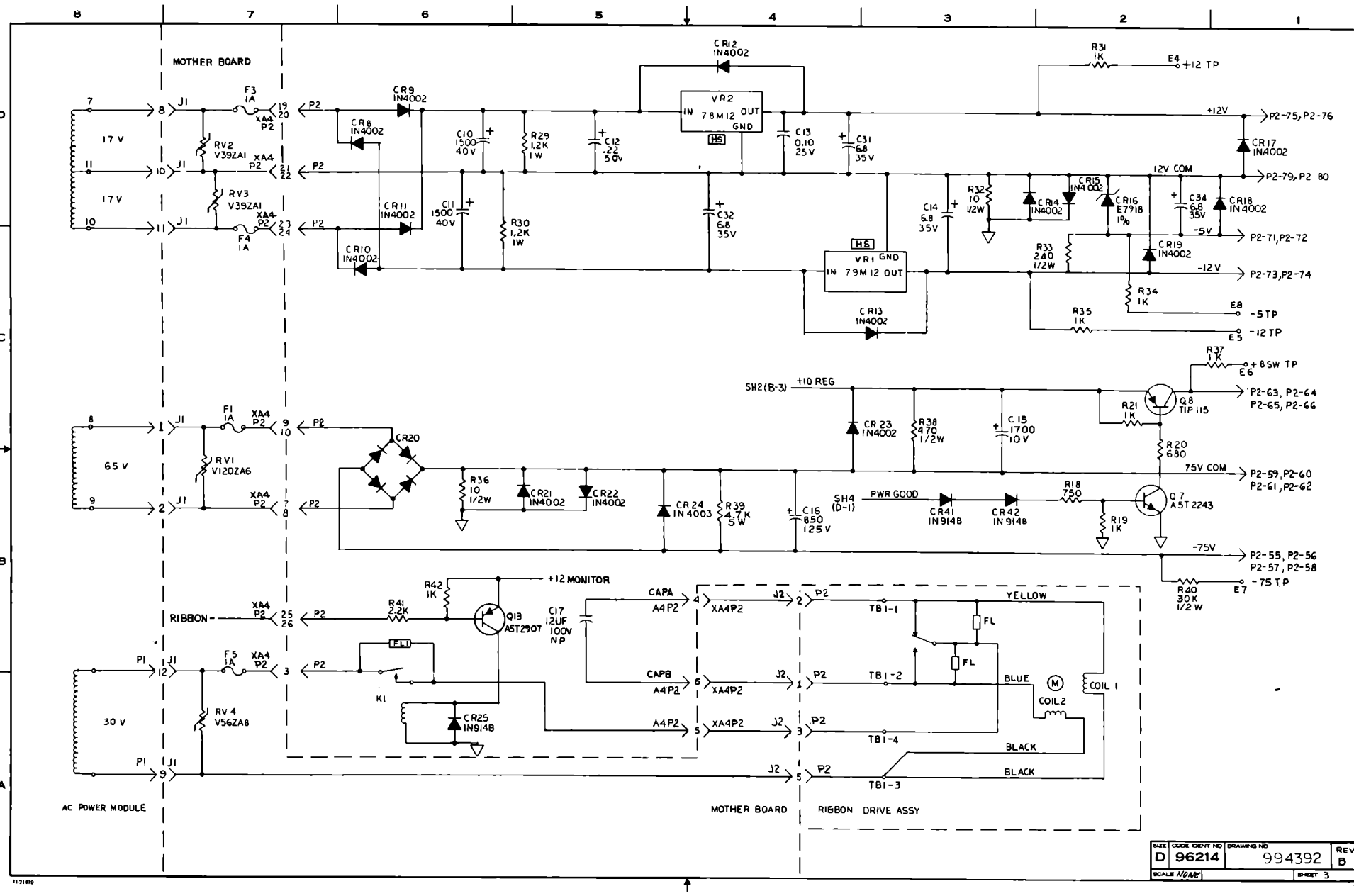


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	CN 423701	3/4/77	
B	CN 423996	5-13-77	
C	CN 429612	10/3/77	
D	CN 430920	11-17-77	
E	CN 439564	2/27/79	



SIZE	CODE IDENT NO	DRAWING NO	REV
D	96214	994392	E
SCALE NONE		SHEET 2	

D 994392

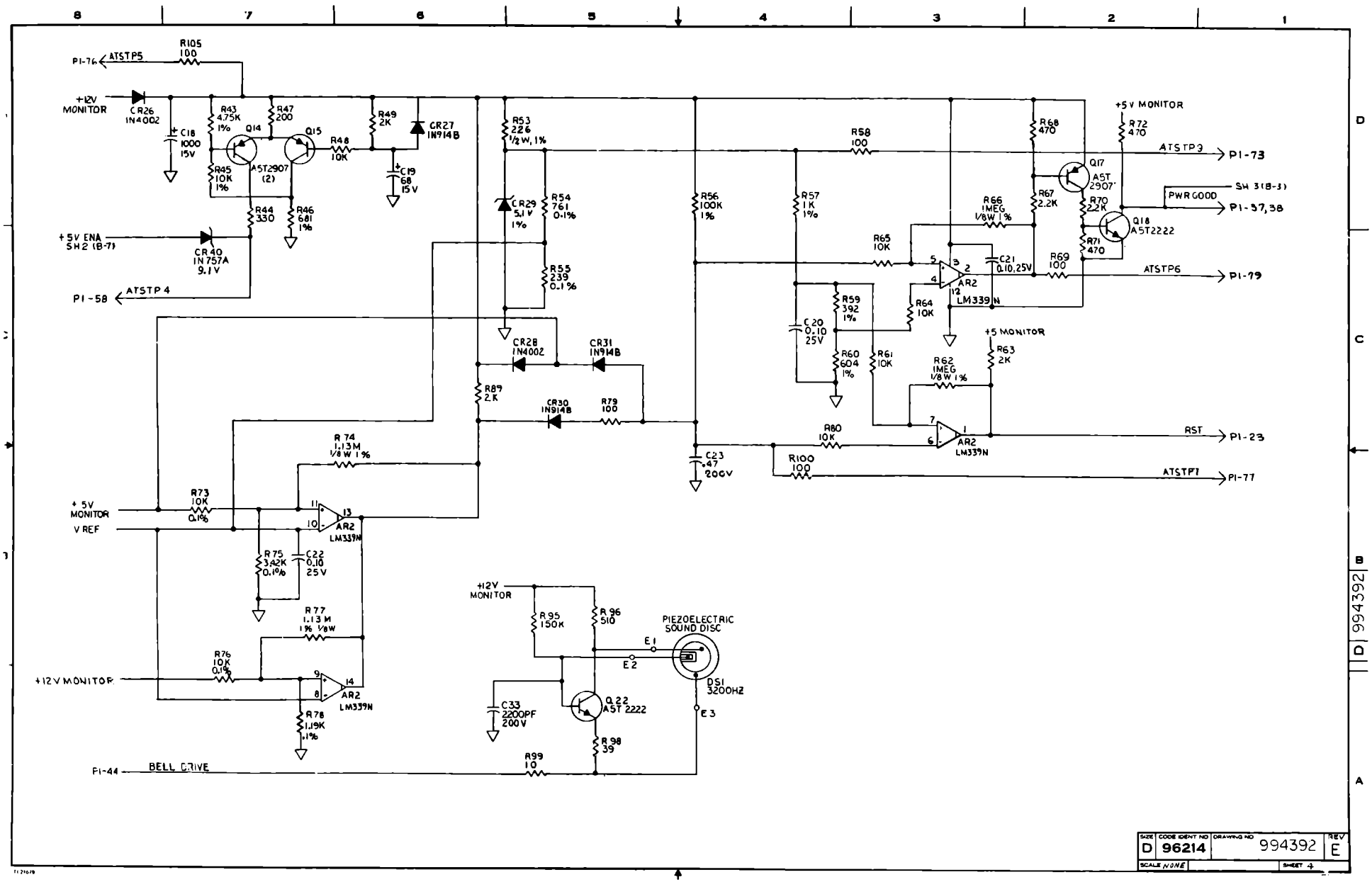


SIZE	CODE IDENT NO	DRAWING NO	REV
D	96214	994392	B

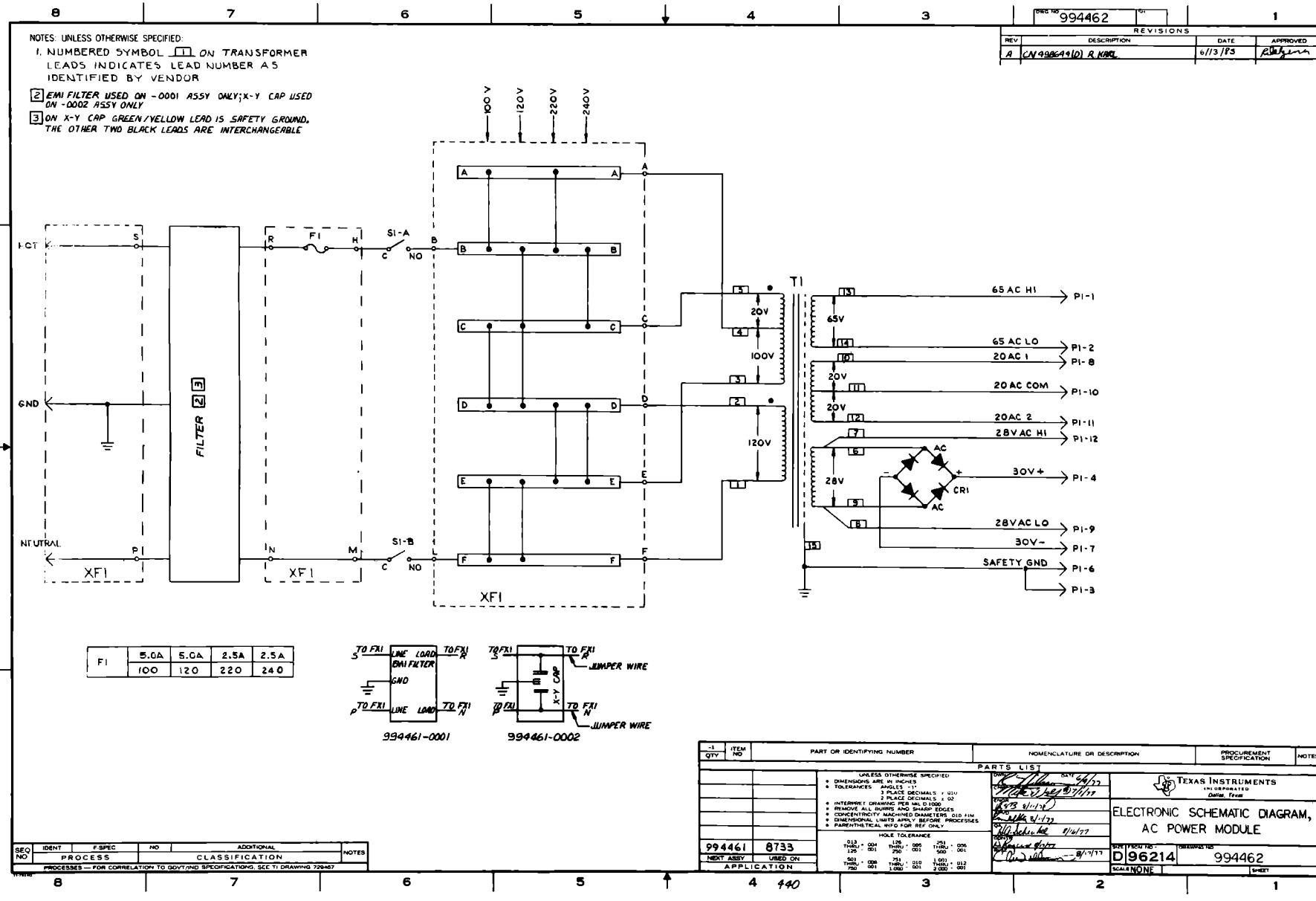
SCALE NONE SHEET 3

D 994392

10-31



SIZE	CODE IDENT NO	DRAWING NO	REV
D	96214	994392	E
SCALE NONE			SHEET 4


DWG NO 994462
REVISIONS
REV DESCRIPTION DATE APPROVED
A CN 99864(0) R KARL 6/13/75
NOTES: UNLESS OTHERWISE SPECIFIED:
1. NUMBERED SYMBOL [1] ON TRANSFORMER LEADS INDICATES LEAD NUMBER AS IDENTIFIED BY VENDOR
[2] EMI FILTER USED ON -0001 ASSY ONLY; X-Y CAP USED ON -0002 ASSY ONLY
[3] ON X-Y CAP GREEN/YELLOW LEAD IS SAFETY GROUND. THE OTHER TWO BLACK LEADS ARE INTERCHANGEABLE
100 V
120 V
220 V
240 V
HOT
GND
NEUTRAL
FILTER [2] [3]
XF1
F1
S1-A
S1-B
T1
20V
100V
120V
65V
28V
65 AC HI
65 AC LO
20 AC 1
20 AC COM
20 AC 2
28 V AC HI
30 V+
28 V AC LO
30 V-
SAFETY GND
CR1
P1-1
P1-2
P1-8
P1-10
P1-11
P1-12
P1-4
P1-9
P1-7
P1-6
P1-3
F1 5.0A 5.0A 2.5A 2.5A
100 120 220 240
994461-0001
994461-0002
JUMPER WIRE
PARTS LIST
PROCESS CLASSIFICATION
994461 8733
TEXAS INSTRUMENTS INCORPORATED Dallas, Texas
ELECTRONIC SCHEMATIC DIAGRAM, AC POWER MODULE
D96214
994462
SCALE NONE

DWG NO 994501 SH 1

NOTES: UNLESS OTHERWISE SPECIFIED:
1. RESISTANCE VALUES ARE IN OHMS
2. RESISTORS ARE .25W, 5 PCT
3. CAPACITANCE VALUES ARE IN MICROFARADS
4. CAPACITORS ARE .047 UF, +80 -20 %
5. NC INDICATES NO CONNECTION

6. FOR REVISION E AND ABOVE:
TO ENABLE LBE OPTION, JUMPER E26-E34
TO DISABLE THIS OPTION, JUMPER E32-E33(STD)

7. FOR REVISION D AND ABOVE:
TO ENABLE GED OPTION, JUMPER E27-E28
TO DISABLE THIS OPTION: (A) REVISION D, NO JUMPER NECESSARY. (B) FOR REVISION E AND ABOVE JUMPER E29-E21 (STD)

8. TO ENABLE HDP OPTION, JUMPER E25-E26 AND E13-E14
TO DISABLE THIS OPTION: (A) FOR REVISION C AND BELOW, JUMPER E27-E28 AND E29-E30 (STD)
(B) FOR REVISION D ONLY, JUMPER E29-E30 (STD)
(C) FOR REVISION E AND ABOVE, JUMPER E29-E30 AND E32-E33 (STD)

9. TO ENABLE DSC OPTION JUMPER E2-E3
TO DISABLE THIS OPTION, JUMPER E1-E2 (STD)

10. TO ENABLE BRO OPTION JUMPER E5-E6
TO DISABLE THIS OPTION, JUMPER E4-E5 (STD)

11. TO ENABLE DNB OPTION, JUMPER E7-E8
TO DISABLE THIS OPTION, JUMPER E8-E9 (STD)

12. TO ENABLE IRC OPTION, JUMPER E11-E12
TO DISABLE THIS OPTION, JUMPER E10-E11 (STD)

13. TO ENABLE GDS OPTION, JUMPER E20-E21
TO DISABLE THIS OPTION, JUMPER E19-E20 (STD)

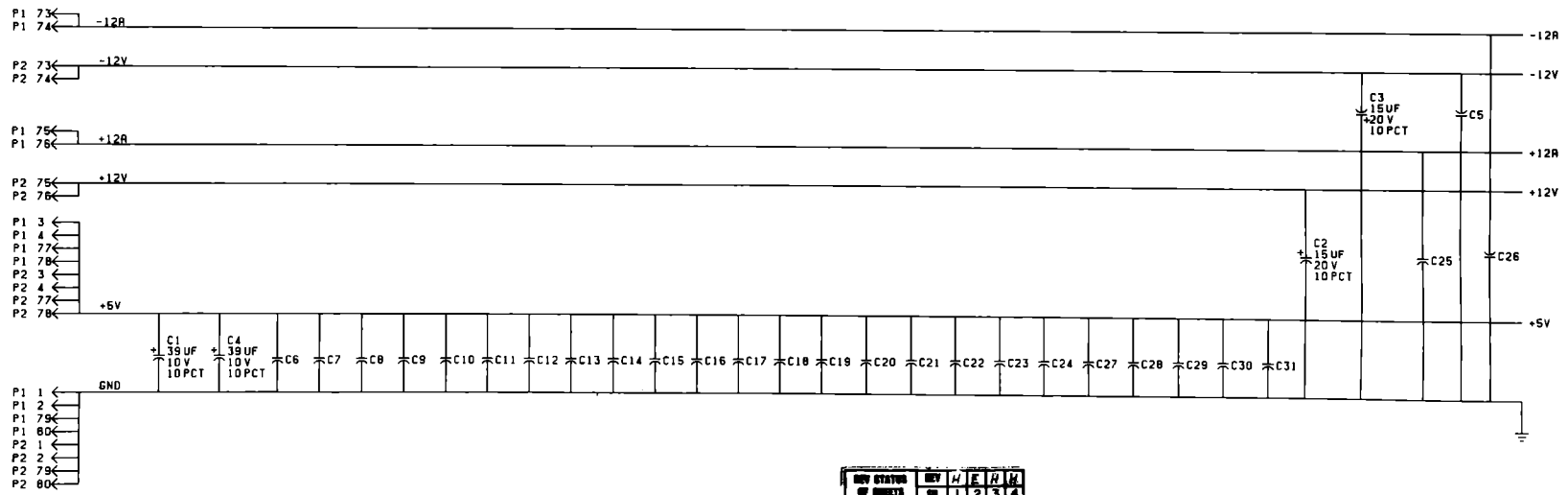
14. ~~USED ON 5000 ASSY ONLY~~

15. AST TYPE PRIOR TO REV M PWB

16. TIS99 TYPE PRIOR TO REV. M PWB

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
C	CN432336	4/1/78	
D	CN438801 JB	10/25/78	
E	CN455647	12/5/79	
F	CN454924 (B) SD	7-18-80	
G	CN477247 (E) VM	6-17-81	
H	CN477992 (D) R. KARL	6-13-83	



REV STATUS OF SHEETS: REV H E H H; SH 1 2 3 4

QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES
		PARTS LIST			

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES: ANGLES ±1°; 3 PLACE DECIMALS ± .010; 2 PLACE DECIMALS ± .02
- INTERPRET DRAWING PER MIL-D-1000
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 FIM
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

DIA	FIN	FIN
.013 THRU .125 — .004 / .001	.125 THRU .250 — .005 / .001	.251 THRU .500 — .006 / .001
.501 THRU .750 — .008 / .001	.751 THRU 1.000 — .010 / .001	1.001 THRU 2.000 — .012 / .001

994603 | 8733
NEXT ASSY | USED ON
APPLICATION

	DWN	DATE
	R. WHEELER	2/28/78
	MIKE WOLF	3/1/78
ENGR	YOSI KEREN	3/1/78
APVD	RONALD BLAIR	3/1/78
QA	BUD SCHENKEL	3/1/78
CONTR	PAUL CREWS	3/2/78
MFG	C. R. WILLIAMS	3/6/78

TEXAS INSTRUMENTS INCORPORATED Dallas, Texas

DIAGRAM, LINE BUFFER, 810

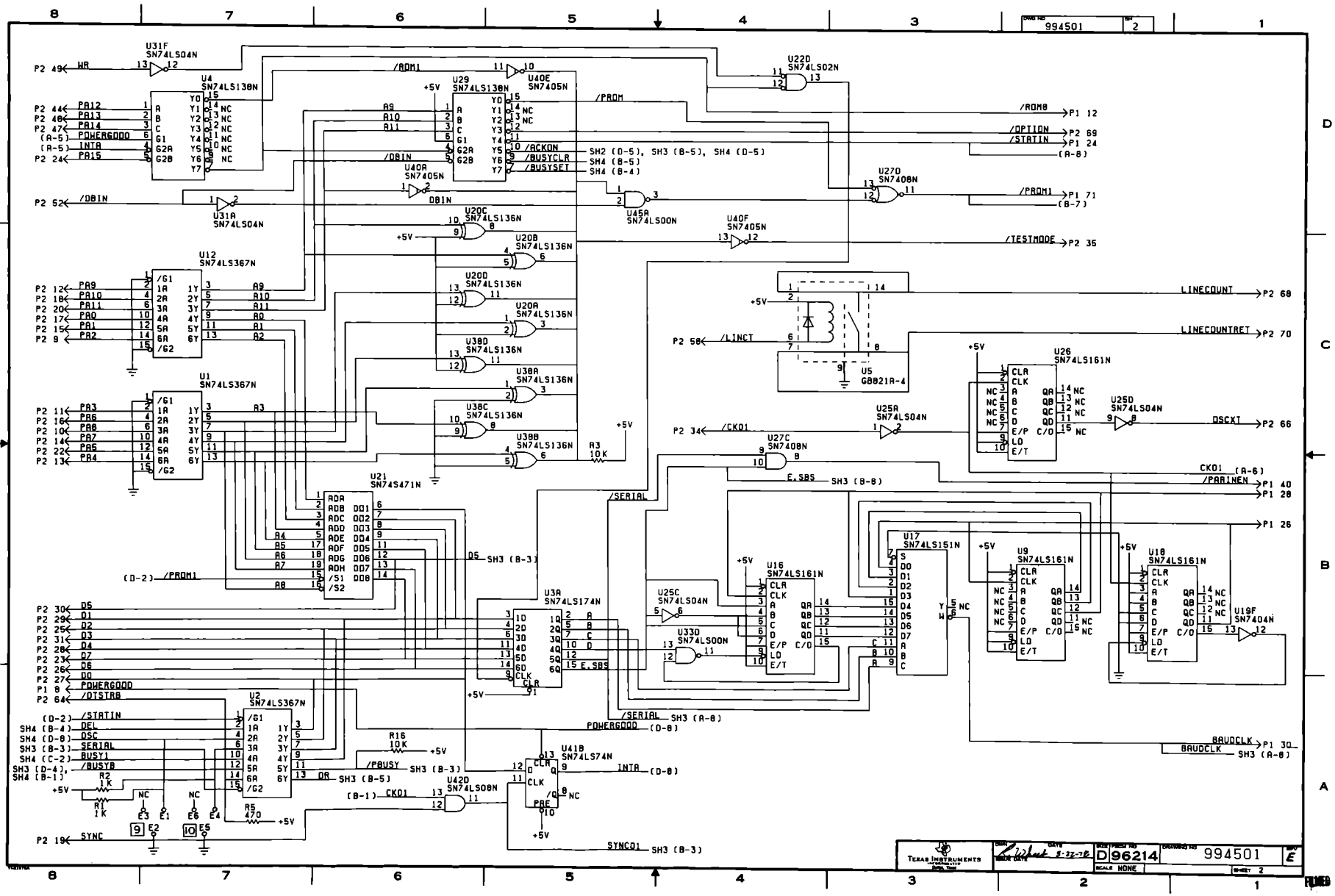
SIZE D | FSCM NO 96214 | DRAWING NO 994501 | SCALE NONE | SHEET 1 OF 4

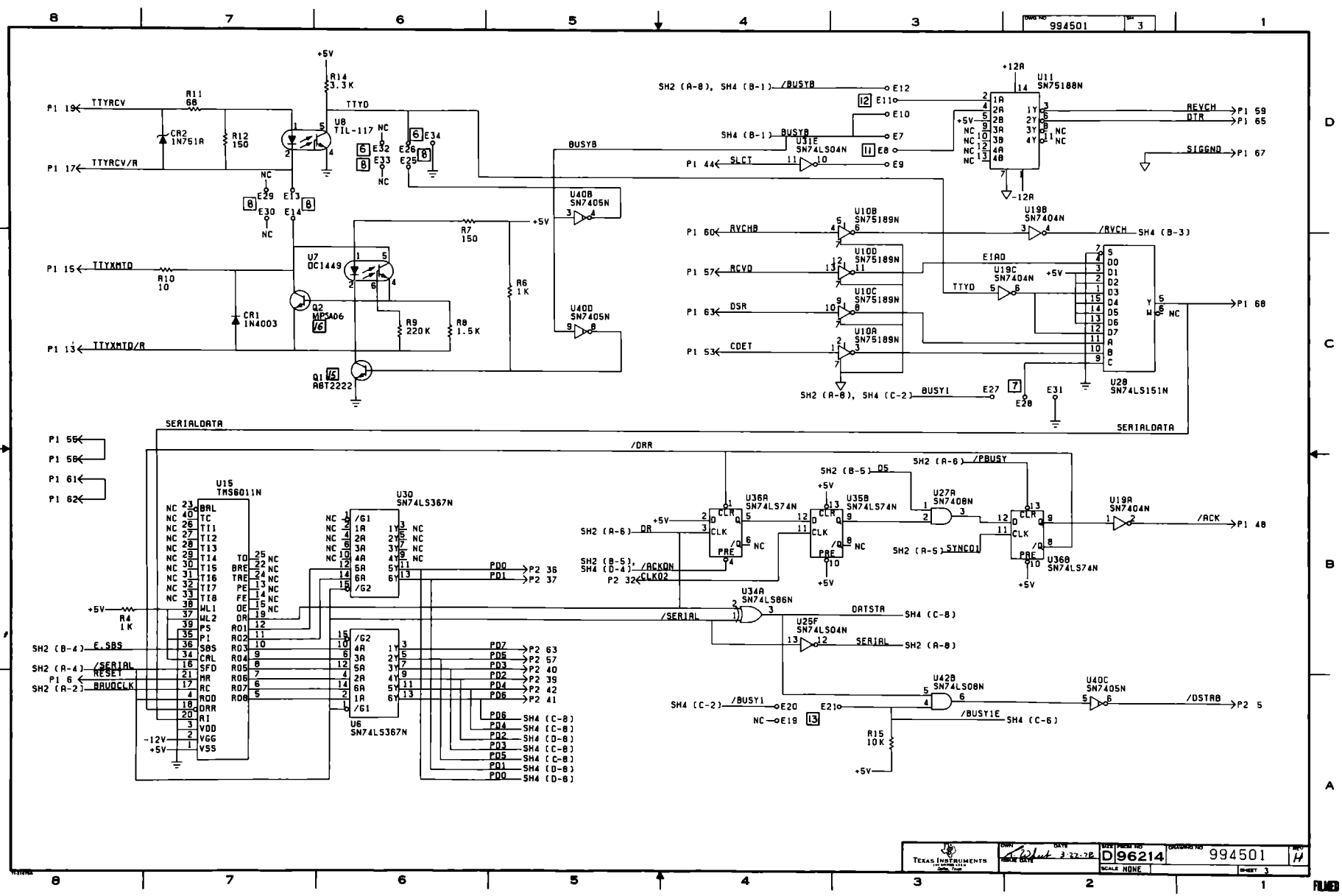
SEQ NO	IDENT	F-SPEC	NO	ADDITIONAL	NOTES
	PROCESS		CLASSIFICATION		

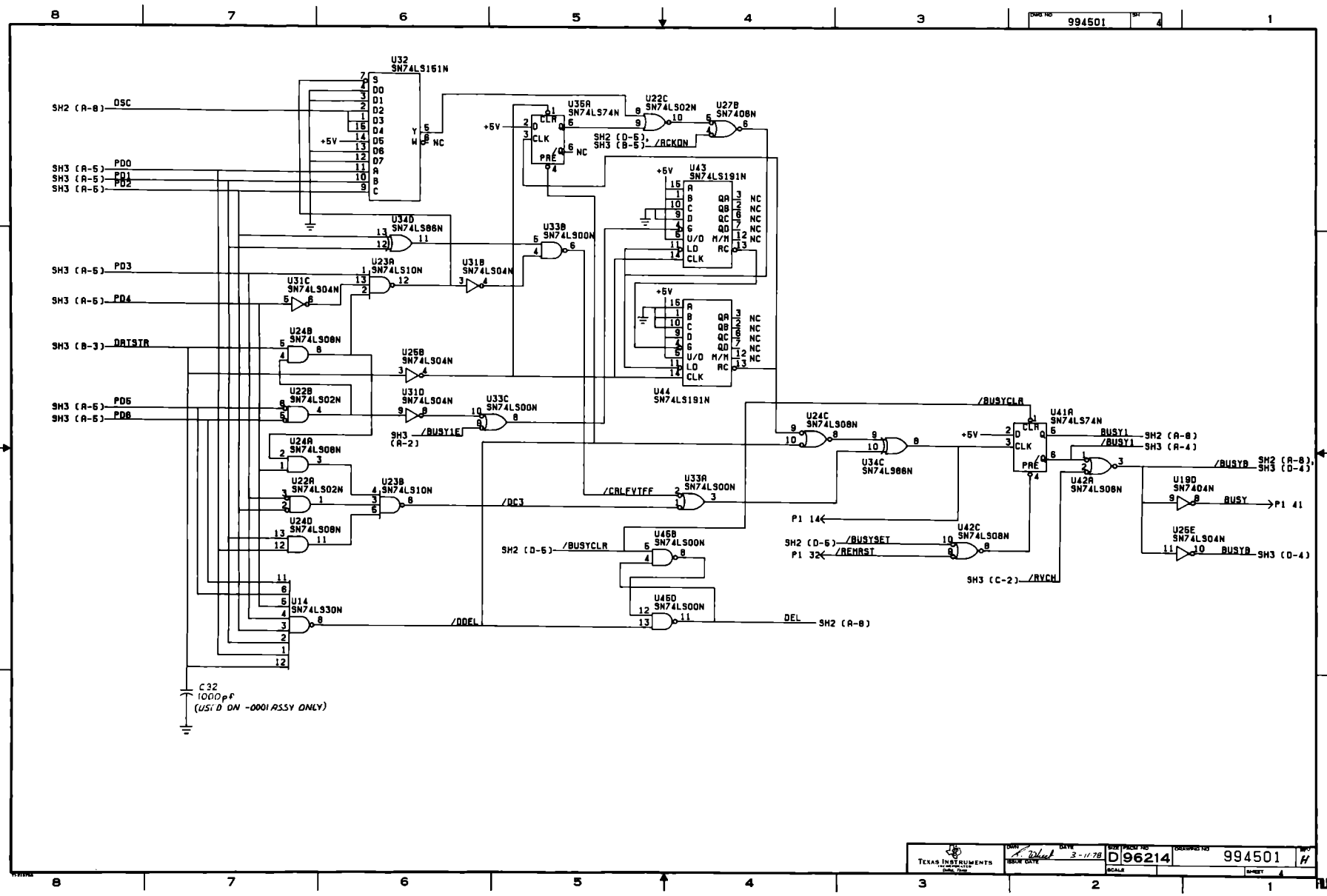
PROCESSES — FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 729467

430

FILMED


994501
U31F SN74LS04N
U4 SN74LS138N
U29 SN74LS138N
U40E SN7405N
U22D SN74LS02N
U40A SN7405N
U31A SN74LS04N
U45A SN74LS00N
U27D SN7408N
U40F SN7405N
U20C SN74LS136N
U20B SN74LS136N
U20D SN74LS136N
U20A SN74LS136N
U38D SN74LS136N
U38A SN74LS136N
U38C SN74LS136N
U38B SN74LS136N
U12 SN74LS367N
U1 SN74LS367N
U21 SN74S471N
U5 GB821A-4
U26 SN74LS161N
U25D SN74LS04N
U25A SN74LS04N
U27C SN7408N
U25C SN74LS04N
U33D SN74LS00N
U16 SN74LS161N
U17 SN74LS151N
U9 SN74LS161N
U18 SN74LS161N
U19F SN7404N
U3A SN74LS174N
U2 SN74LS367N
U41B SN74LS74N
U42D SN74LS08N
R1 1K
R2 1K
R3 10K
R16 10K
R5 470
/ROM1
/PROM
/DBIN
DBIN
/ACKON
/BUSYCLR
/BUSYSET
/PROM1
/TESTMODE
LINECOUNT
LINECOUNTRET
/LINCT
/CKO1
DSCXT
E.SBS
/SERIAL
/PBUSY
/PARINEN
BAUDCLK
SYNCO1
SYNC
INTA
/STATIN
/OPTION
/STATIN
/ROM0
P2 49 WR
P2 44 PA12
P2 46 PA13
P2 47 PA14
(A-5) POWERGOOD
(A-5) INTA
P2 24 PA15
P2 52 /DBIN
P2 12 PA9
P2 18 PA10
P2 20 PA11
P2 17 PA0
P2 15 PA1
P2 9 PA2
P2 11 PA3
P2 16 PA6
P2 10 PA8
P2 14 PA7
P2 22 PA5
P2 13 PA4
P2 58 /LINCT
P2 34 /CKO1
P2 30 D5
P2 29 D1
P2 25 D2
P2 31 D3
P2 28 D4
P2 23 D7
P2 26 D6
P2 27 D0
P1 8 POWERGOOD
P2 64 /DTSTRB
P2 19 SYNC
P1 12
P2 69
P1 24
(A-8)
P1 71
(B-7)
P2 35
P2 68
P2 70
P2 66
(A-6)
P1 40
P1 28
P1 26
P1 30
SH3 (B-8)
SH3 (A-8)
SH3 (B-3)
SH3 (B-5)
SH2 (D-5), SH3 (B-5), SH4 (D-5)
SH4 (B-5)
SH4 (B-4)
(D-8)
(B-1) CKO1
Texas Instruments
D 96214
SCALE NONE
994501
SHEET 2


994501
+5V
R14 3.3K
TTYRCV
TTYRCV/R
R11 68
CR2 1N751A
R12 150
U8 TIL-117
TTYD
BUSYB
SH2 (A-8), SH4 (B-1) /BUSYB
SH4 (B-1) BUSYA
SLCT
U31E SN74LS04N
U11 SN75188N
REVCH
DTR
SIGGND
U40B SN7405N
U40D SN7405N
R7 150
R6 1K
TTYXMTD
TTYXMTD/R
R10 10
CR1 1N4003
U7 OC1449
Q2 MPSA06
R9 220K
R8 1.5K
Q1 ABT2222
RVCHB
RCVD
DSR
CDET
U10B SN75189N
U10D SN75189N
U10C SN75189N
U10A SN75189N
U19B SN7404N
U19C SN7404N
/RVCH
SH4 (B-3)
EIAD
U28 SN74LS151N
SH2 (A-8), SH4 (C-2) BUSY1
SERIALDATA
/DRR
U15 TMS6011N
U30 SN74LS367N
U6 SN74LS367N
R4 1K
SH2 (B-4) E.SBS
SH2 (A-4) /SERIAL RESET
P1 6 SH2 (A-2) BAUDCLK
PD0 P2 36
PD1 P2 37
PD7 P2 63
PD6 P2 57
PD3 P2 40
PD2 P2 39
PD4 P2 42
PD5 P2 41
SH2 (A-6) DR
SH2 (B-5), SH4 (D-4) /ACKON
P2 32 CLK02
U36A SN74LS74N
U35B SN74LS74N
U27A SN7408N
U36B SN74LS74N
SH2 (B-5) D5
SH2 (A-6) /PBUSY
SH2 (A-5) SYNCO1
U19A SN7404N
/ACK
P1 48
U34A SN74LS86N
/SERIAL
DATSTR
SH4 (C-8)
U25F SN74LS04N
SERIAL
SH2 (A-8)
U42B SN74LS08N
U40C SN7405N
/DSTRB
P2 5
SH4 (C-2) /BUSY1
/BUSY1E
SH4 (C-6)
R15 10K
Texas Instruments
D96214
994501
SCALE NONE
SHEET 3


U32 SN74LS151N
SH2 (A-8) OSC
SH3 (A-5) PD0
SH3 (A-5) PD1
SH3 (A-6) PD2
SH3 (A-5) PD3
SH3 (A-5) PD4
SH3 (B-3) DATSTR
SH3 (A-5) PD5
SH3 (A-5) PD6
U36A SN74LS74N
U22C SN74LS02N
U27B SN7408N
SH2 (D-6), SH3 (B-5) /ACKON
U43 SN74LS191N
U44 SN74LS191N
U34D SN74LS86N
U33B SN74LS00N
U23A SN74LS10N
U31B SN74LS04N
U31C SN74LS04N
U24B SN74LS08N
U25B SN74LS04N
U22B SN74LS02N
U31D SN74LS04N
U33C SN74LS00N
SH3 (A-2) /BUSY1E
U24A SN74LS08N
U22A SN74LS02N
U23B SN74LS10N
U24D SN74LS08N
/DC3
/CRLFVTFF
U33A SN74LS00N
U46B SN74LS00N
SH2 (D-6) /BUSYCLR
U46D SN74LS00N
U14 SN74LS30N
/DDEL
DEL SH2 (A-8)
C32 1000pF (USED ON -0001 ASSY ONLY)
/BUSYCLR
U24C SN74LS08N
U34C SN74LS86N
U41A SN74LS74N
BUSY1 SH2 (A-8)
/BUSY1 SH3 (A-4)
U42A SN74LS08N
/BUSYB SH2 (A-8), SH3 (D-4)
U19D SN7404N
BUSY P1 41
U25E SN74LS04N
BUSYB SH3 (D-4)
P1 14
SH2 (D-6) /BUSYSET
P1 32 /REMRST
U42C SN74LS08N
SH3 (C-2) /RVCH
TEXAS INSTRUMENTS
D 96214
994501
REV H

994527 | 1

NOTES UNLESS OTHERWISE SPECIFIED:

1. RESISTANCE VALUES ARE IN OHMS
2. RESISTORS ARE ,25 W, 5 PCT
3. CAPACITORS ARE ,25 V, P80M20 PCT
4. ▽ DESIGNATES COMMON GROUND
5. ⏚ DESIGNATES LOGIC GROUND
6. SHEET 1, 2, AND 3 REFERENCE DESIGNATORS ARE PREFIXED BY A8
7. SHEET 4 REFERENCE DESIGNATORS ARE PREFIXED BY A9
8. SHEET 5 REFERENCE DESIGNATORS ARE PREFIXED BY A10
9. THIS DIAGRAM LOGIC, DETAILED IS USED IN A UL, CSA, VDE, ECT. RECOGNIZED MACHINE. ANY MODIFICATION SHOULD HAVE SAFETY AND EMI IMPLICATIONS INVESTIGATED WITH THE APPROPRIATE AGENCY
10. ALL PRESENT A8T TYPE TRANSISTORS WERE A5T TYPE PRIOR TO REV H PWB

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	CN438084	4/27/79	
B	CN450981	4/27/79	
C	CN459657	4/26/79	
D	CN433689(E)	4/27/79	
E	CN465638(D)		
F	CN477855(D)		
G	CN477930(D)		
H	CN502015	2-24-80	

U102C
SN7406N

SPARE

P2 - 61 ← P2 - 62 ← +8V SW

P2 - 78 ← P2 - 77 ← P1 - 4 ← P1 - 3 ← +5 — L101 5.6UH 10PCT — +5VDC

C102 220UF 10V
C103 .1 UF
C104 .1 UF

P2 - 76 ← P2 - 75 ← +12 — L102 5.6UH 10PCT — +12VDC

P2 - 80 ← P2 - 79 ← P2 - 2 ← P2 - 1 ← P1 - 2 ← P1 - 1

C105 150UF 16V
C106 .1 UF
C107 .1 UF

C108 150UF 16V
C109 .1 UF
C110 .1 UF

P2 - 74 ← P2 - 73 ← -12 — L103 5.6UH 10PCT — -12VDC

SEQ NO	IDENT	F-SPEC	NO	ADDITIONAL	NOTES
	PROCESS			CLASSIFICATION	

PROCESSES -- FOR CORRELATION TO GOVT/IND SPECIFICATIONS, SEE TI DRAWING 729487

994528	8733
NEXT ASSY	USED ON
APPLICATION	

PARTS LIST

QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES

UNLESS OTHERWISE SPECIFIED:
- DIMENSIONS ARE IN INCHES
- TOLERANCES: ANGLES ±1°; 1 PLACE DECIMALS ± .1; 2 PLACE DECIMALS ± .01
- INTERPRET DRAWING PER MIL-D-1000
- REMOVE ALL BURRS AND SHARP EDGES
- LOOSE MATERIAL MUST APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

CLEARANCE					
THRU	.004	LAB	.005	.482	.508
LOC	.005	THRU	.013	THRU	.533
		LOC	.005	SCC	
SCC		.533			
THRU	.008	THRU	.025	2.921	3.175
LOC	.005	LOC	.005	THRU	3.200
		SCC		2.000	

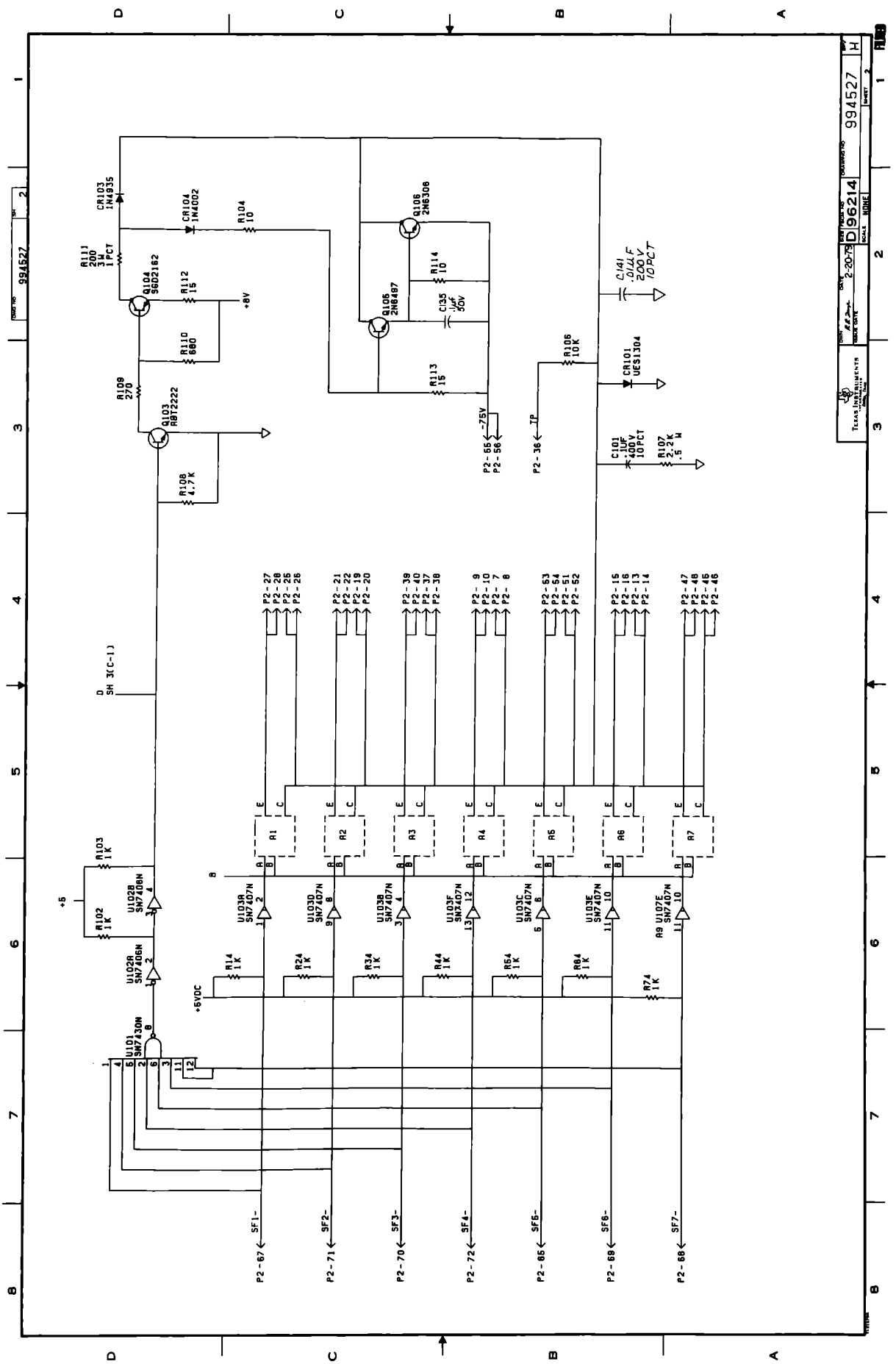
Paul Sunday 2-20-79
Dave Stamm 4/27/79

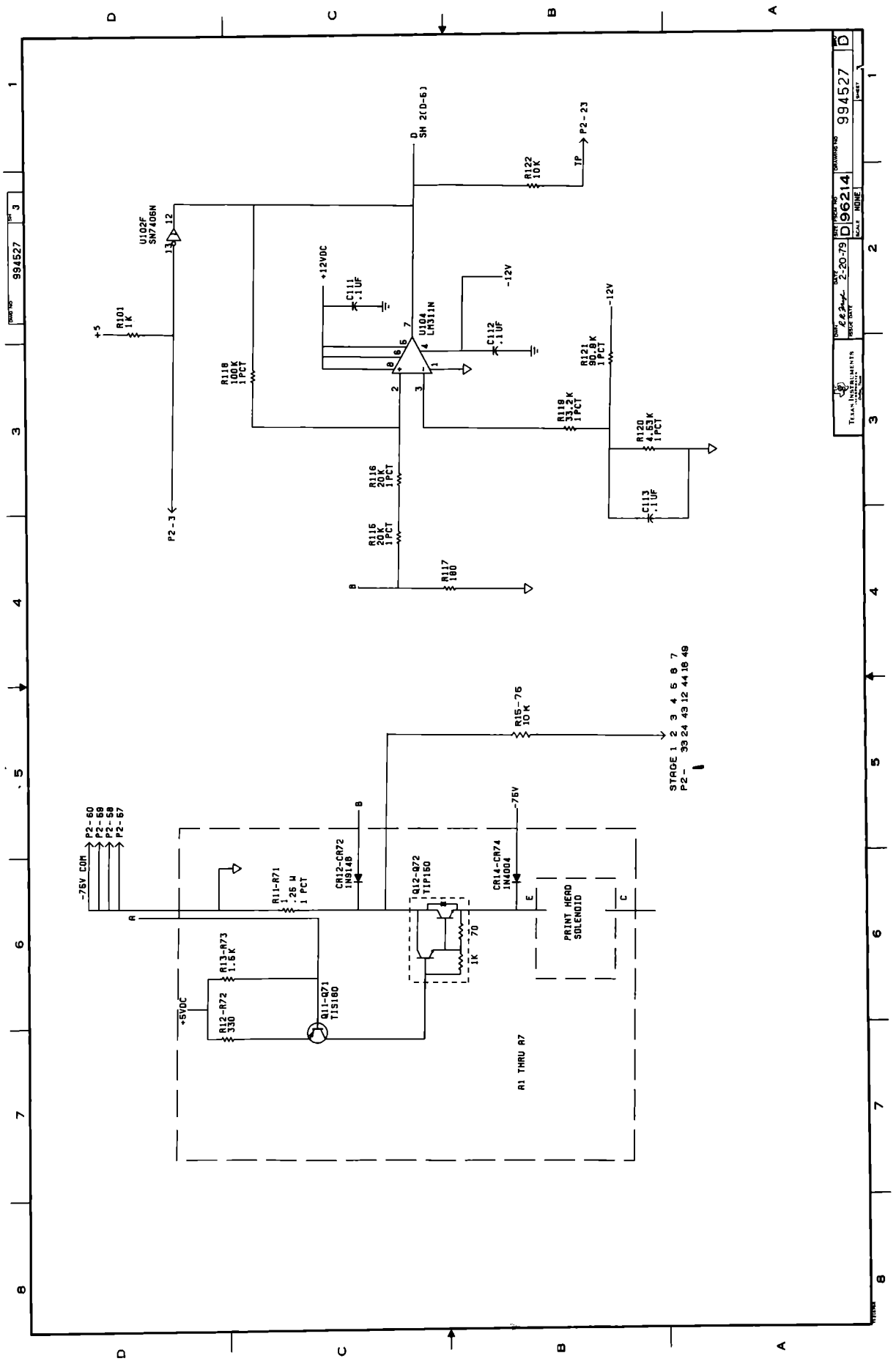
TEXAS INSTRUMENTS
INCORPORATED
Dallas, Texas

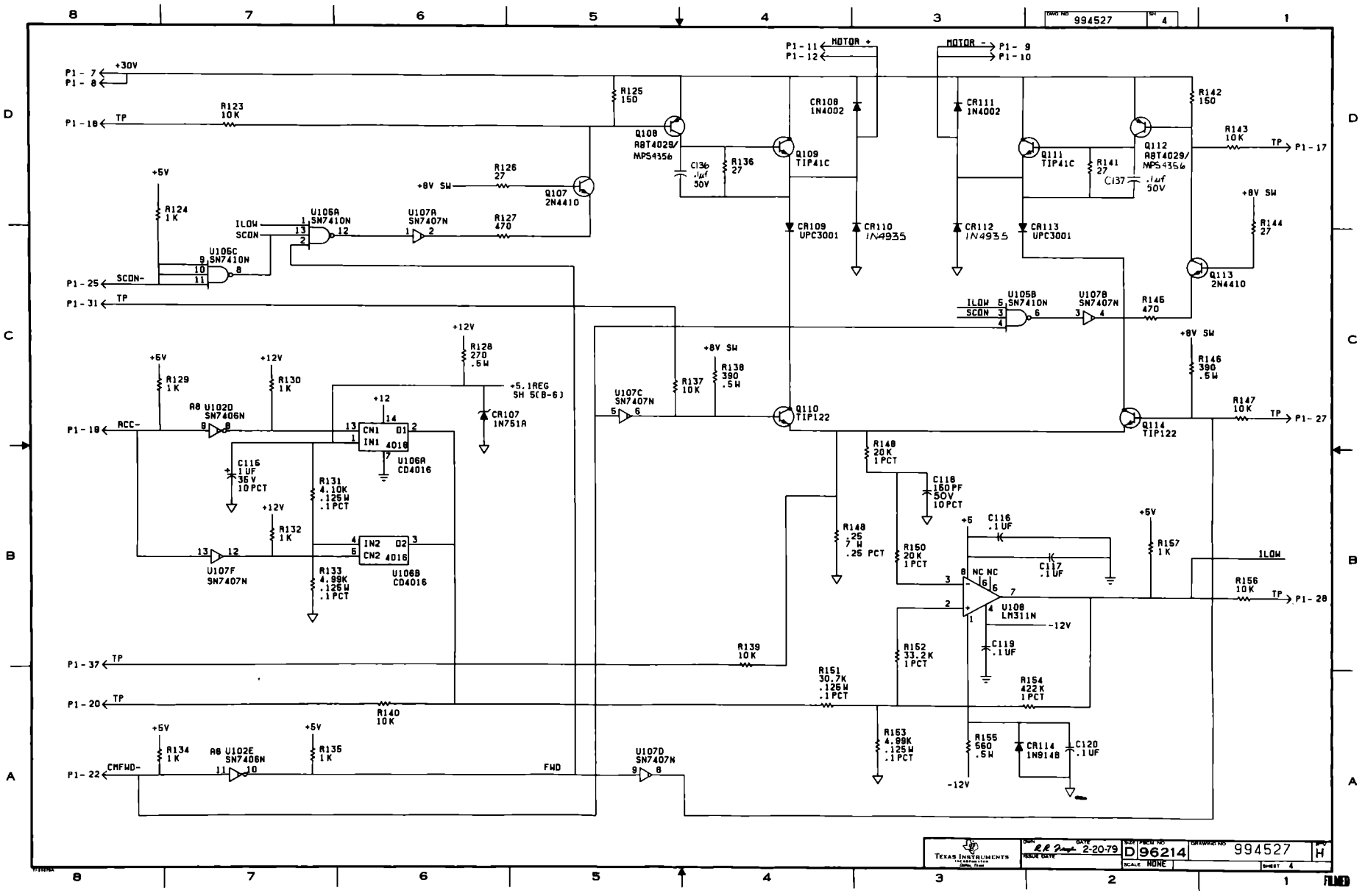
DIAGRAM, LOGIC, EPWB
BOARD, 810

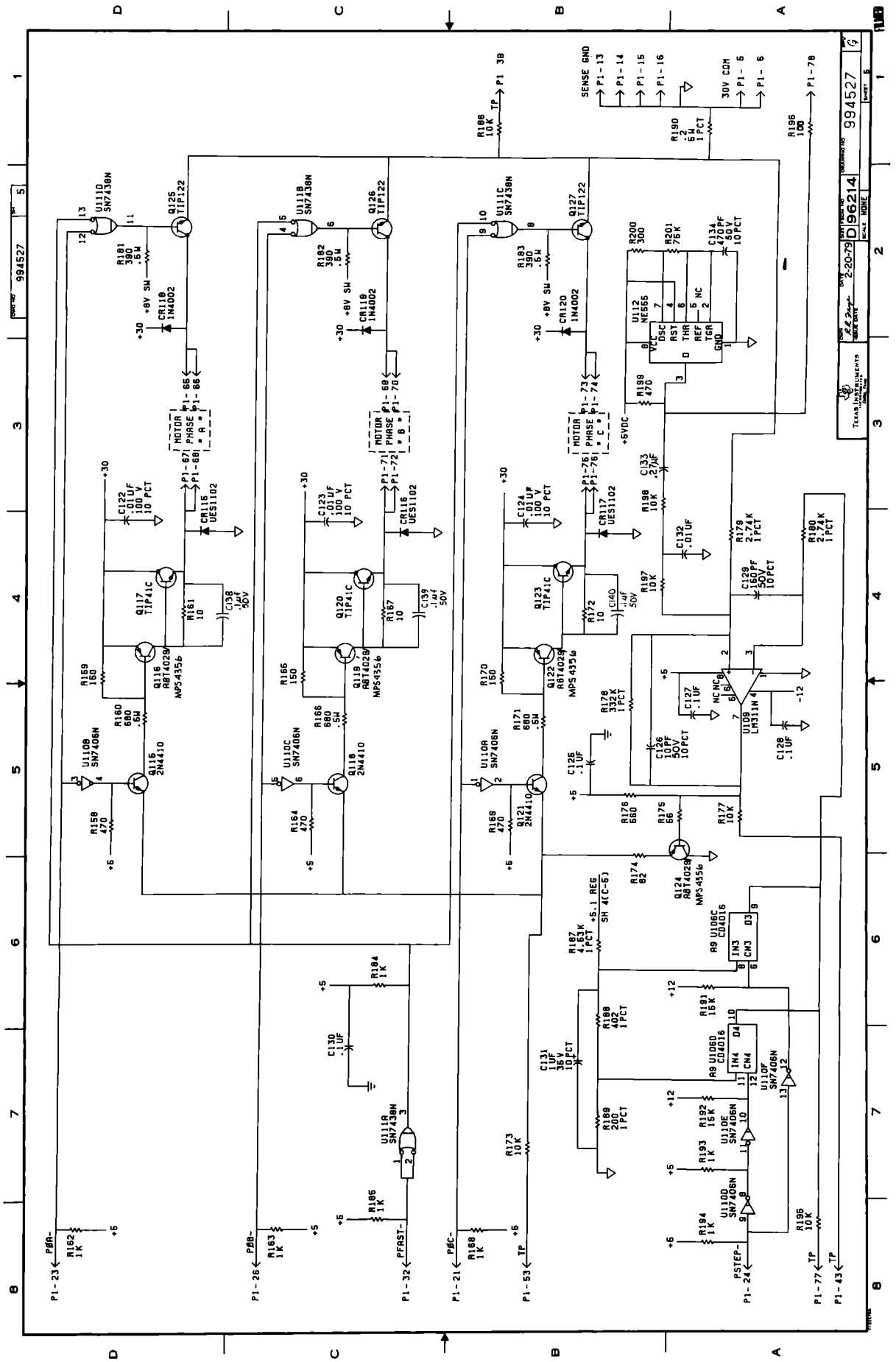
SIZE D | CAGE CODE 96214 | DRAWING 994527 | FILMED
CONT NONE | SHEET 1 OF 5

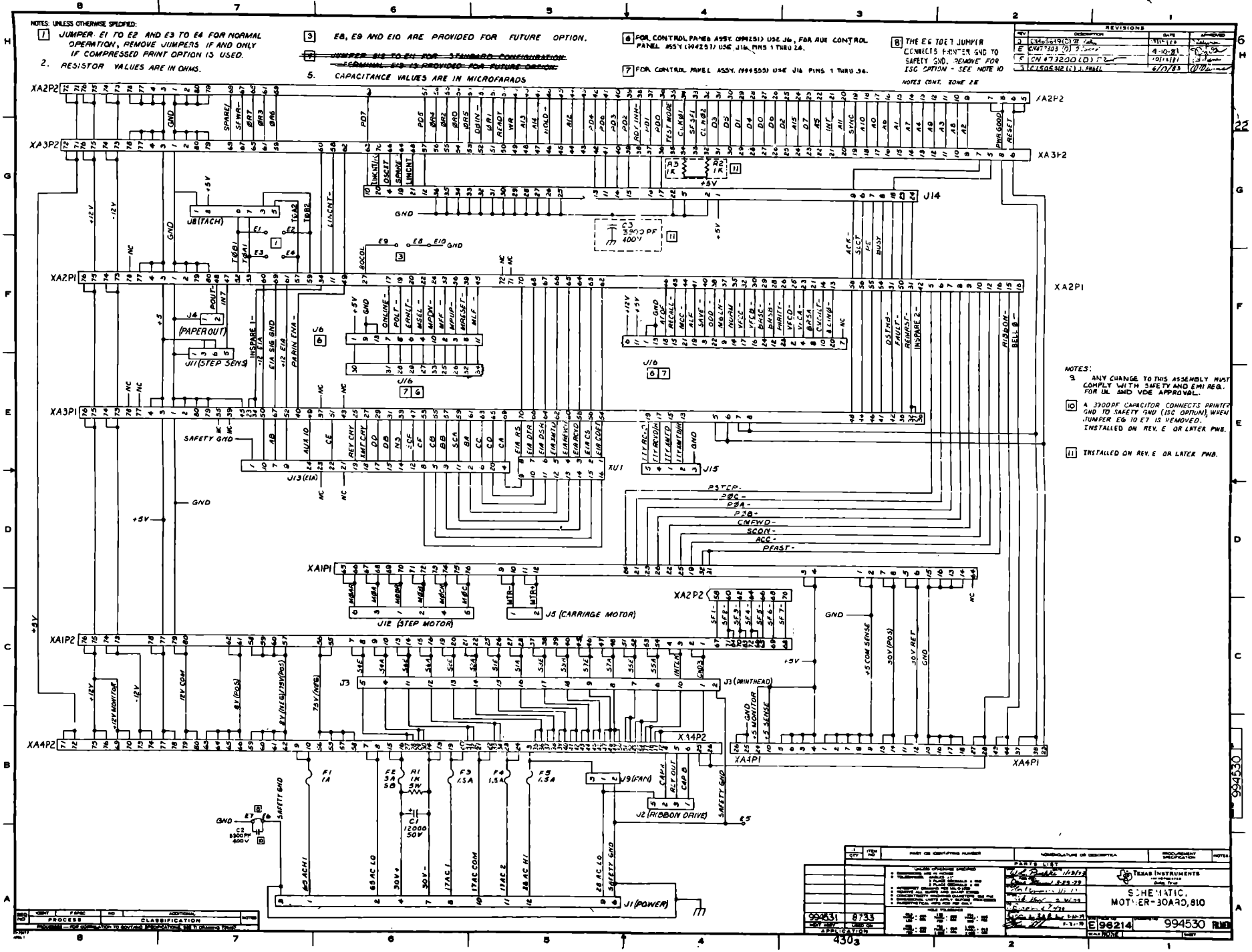
430 | H-MT


CR103 1N4935
CR104 1N4002
R104 10
R111 200 3W 1PCT
Q104 SGD2162
R112 15
+8V
Q106 2N6306
R114 10
Q105 2N6497
C135 µf 50V
C141 .01µF 200V 10PCT
R110 680
R109 270
Q103 RBT2222
R113 15
-75V
P2-55
P2-56
R106 10K
CR101 UES1304
P2-36
TP
C101 .1UF 400V 10PCT
R107 2.2K .5 W
R108 4.7K
D SH 3(C-1)
+5
R103 1K
R102 1K
U102B SN7406N
U102A SN7406N
+5VDC
U101 SN7430N
R14 1K
R24 1K
R34 1K
R44 1K
R54 1K
R64 1K
R74 1K
U103A SN7407N
U103D SN7407N
U103B SN7407N
U103F SN7407N
U103C SN7407N
U103E SN7407N
U107E SN7407N
A1
A2
A3
A4
A5
A6
A7
P2-27 P2-28 P2-25 P2-26
P2-21 P2-22 P2-19 P2-20
P2-39 P2-40 P2-37 P2-38
P2- 9 P2-10 P2- 7 P2- 8
P2-63 P2-64 P2-51 P2-52
P2-15 P2-16 P2-13 P2-14
P2-47 P2-48 P2-45 P2-46
SF1-
SF2-
SF3-
SF4-
SF5-
SF6-
SF7-
P2-67
P2-71
P2-70
P2-72
P2-65
P2-69
P2-68
D96214
994527
2-20-79
NONE

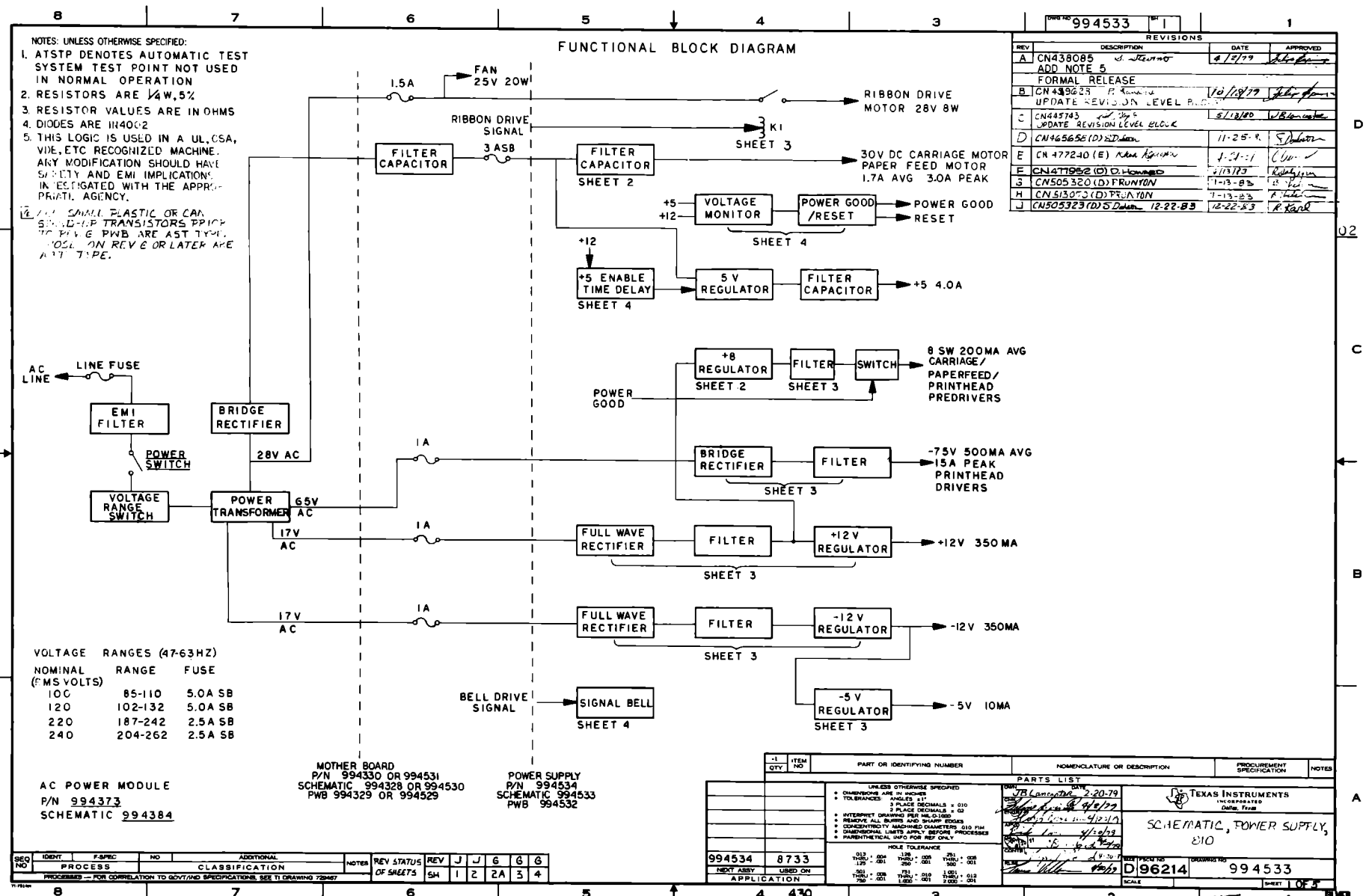

D96214
994527
2-20-79
U102F SN7406N
U104 LM311N
R101 1K
R118 100K 1PCT
R116 20K 1PCT
R117 180
R119 33.2K 1PCT
R121 90.8K 1PCT
R120 4.63K 1PCT
R122 10K
C111 .1UF
C112 .1UF
C113 .1UF
+12VDC
-12V
+5
P2-3
TP P2-23
R15-75 10K
STAGE 1 2 3 4 5 6 7 8
P2- 33 24 43 12 44 18 49
-75V COM
P2-60
P2-59
P2-58
P2-57
R11-R71 1.25 W 1 PCT
CR12-CR72 IN914B
Q12-Q72 TIP150
CR14-CR74 IN4004
-75V
PRINT HEAD SOLENOID
R13-R73 1.6K
R12-R72 330
Q11-Q71 TIS180
+5VDC
1K
70
A1 THRU A7

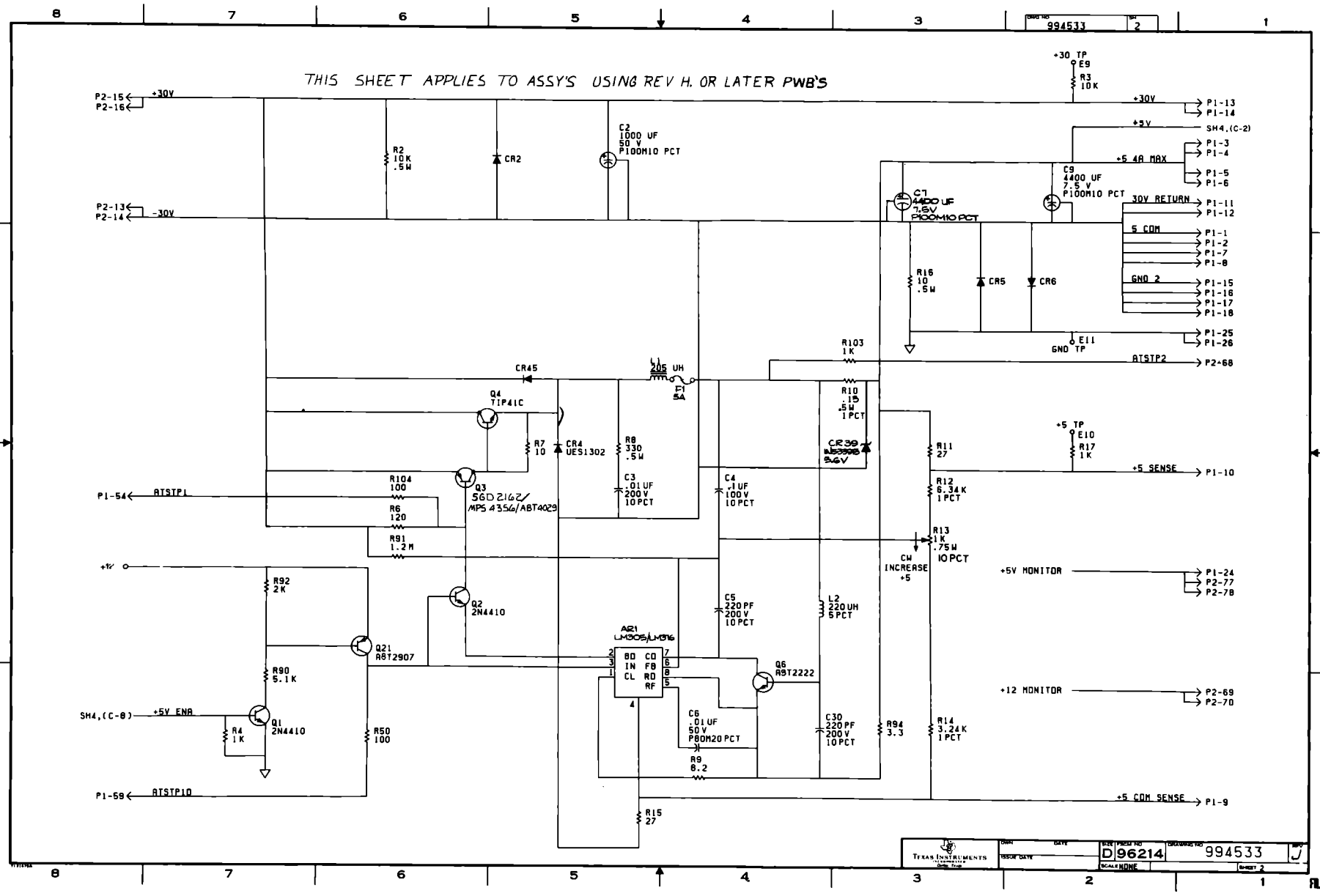

P1 - 7 +30V
P1 - 8
P1 - 18 TP
R123 10K
R125 150
Q108 A8T4028/ MPS4356
C136 .1uf 50V
R136 27
CR108 IN4002
Q109 TIP41C
CR109 UPC3001
CR110 IN4935
P1 - 11 MOTOR +
P1 - 12
MOTOR - P1 - 9
P1 - 10
CR111 1N4002
Q111 TIP41C
CR112 IN4935
CR113 UPC3001
R141 27
C137 .1uf 50V
Q112 A8T4029/ MPS4356
R142 150
R143 10K TP P1 - 17
+8V SW
R144 27
Q113 2N4410
+5V
R124 1K
+8V SW
R126 27
Q107 2N4410
R127 470
ILOW
SCON
U105A SN7410N
U107A SN7407N
U105C SN7410N
P1 - 25 SCON-
P1 - 31 TP
U105B SN7410N
U107B SN7407N
R145 470
+12V
R128 270 .5W
+5.1REG SH 5(B-6)
CR107 1N751A
+5V
R129 1K
+12V
R130 1K
A8 U102D SN7406N
P1 - 19 ACC-
+12
CN1 IN1 4016
U106A CD4016
C116 1 UF 35 V 10 PCT
R131 4.10K .125W .1PCT
+12V
R132 1K
U107F SN7407N
IN2 CN2 4016
U106B CD4016
R133 4.99K .125W .1PCT
U107C SN7407N
R137 10K
+8V SW
R138 390 .5W
Q110 TIP122
Q114 TIP122
+8V SW
R146 390 .5W
R147 10K TP P1 - 27
R148 20K 1PCT
C118 150 PF 50V 10PCT
R148 .25 7 W .25 PCT
R150 20K 1PCT
+5
C116 .1 UF
C117 .1 UF
+5V
R157 1K
ILOW
R156 10K TP P1 - 28
NC NC
U108 LM311N
-12V
C119 .1 UF
R139 10K
R152 33.2K 1PCT
R151 30.7K .125W .1PCT
R154 422K 1PCT
P1 - 37 TP
P1 - 20 TP
R140 10K
R163 4.99K .125W .1PCT
R155 560 .5W
CR114 1N9148
C120 .1 UF
-12V
+5V
R134 1K
A8 U102E SN7406N
+5V
R135 1K
P1 - 22 CMFWD-
FWD
U107D SN7407N
TEXAS INSTRUMENTS
DWG NO 994527
SH 4
SIZE D
PROJ NO 96214
SCALE NONE
DRAWING NO 994527
REV H
SHEET 4

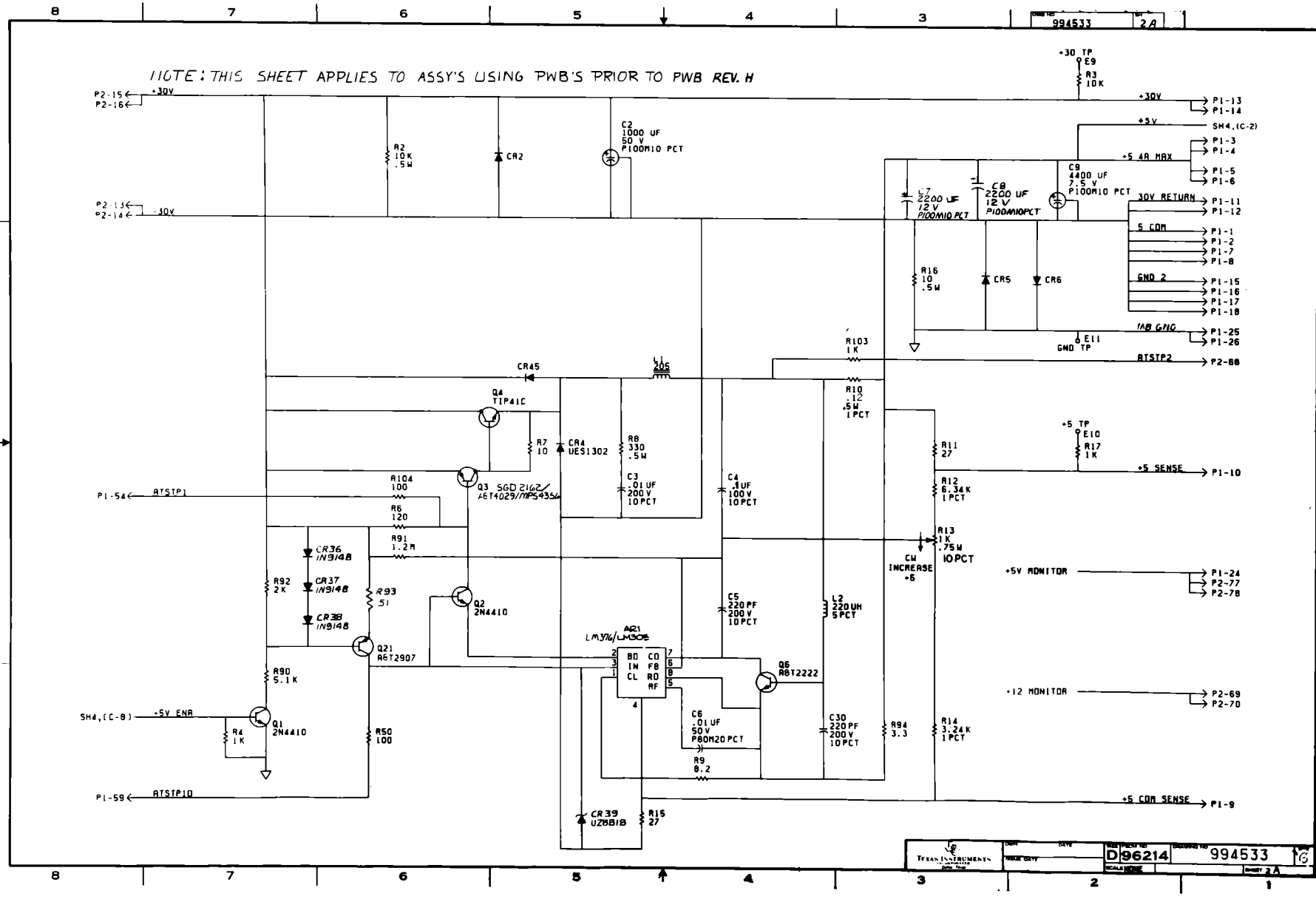


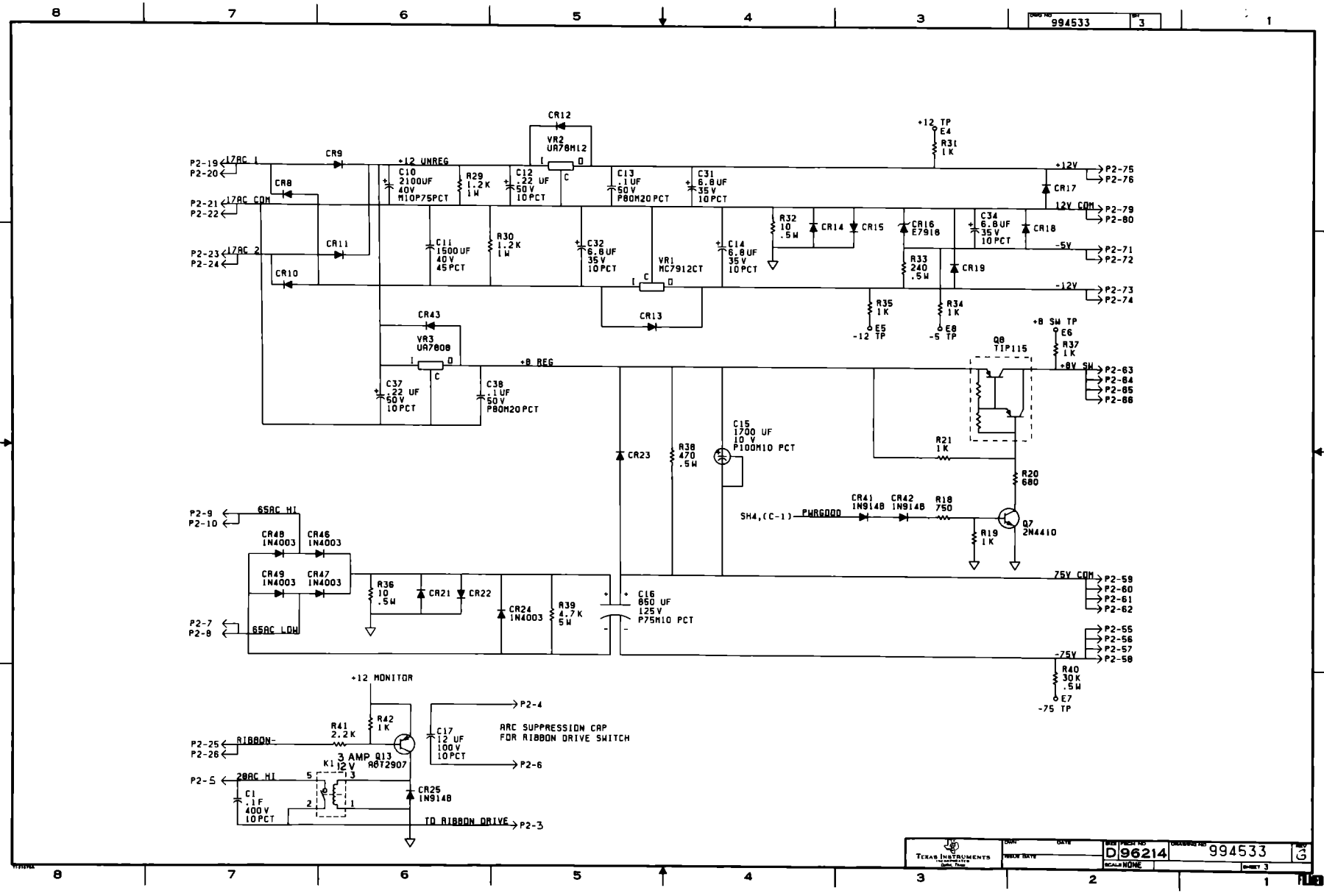

NOTES: UNLESS OTHERWISE SPECIFIED:
1. JUMPER E1 TO E2 AND E3 TO E4 FOR NORMAL OPERATION, REMOVE JUMPERS IF AND ONLY IF COMPRESSED PRINT OPTION IS USED.
2. RESISTOR VALUES ARE IN OHMS.
3. E8, E9 AND E10 ARE PROVIDED FOR FUTURE OPTION.
4. JUMPER E15 TO E4 FOR STANDARD CONFIGURATION
TERMINAL E15 IS PROVIDED FOR FUTURE OPTION
5. CAPACITANCE VALUES ARE IN MICROFARADS
6. FOR CONTROL PANEL ASSY. (994251) USE J6, FOR AUX CONTROL PANEL ASSY (994253) USE J16 PINS 1 THRU 26.
7. FOR CONTROL PANEL ASSY. (994553) USE J16 PINS 1 THRU 36.
8. THE E6 TO E7 JUMPER CONNECTS PRINTER GND TO SAFETY GND. REMOVE FOR ISC OPTION - SEE NOTE 10
NOTES CONT. ZONE 2E
REVISIONS
NOTES:
9. ANY CHANGE TO THIS ASSEMBLY MUST COMPLY WITH SAFETY AND EMI REQ. FOR UL AND VDE APPROVAL.
10. A 3300PF CAPACITOR CONNECTS PRINTER GND TO SAFETY GND (ISC OPTION), WHEN JUMPER E6 TO E7 IS REMOVED. INSTALLED ON REV. E OR LATER PWB.
11. INSTALLED ON REV. E OR LATER PWB.
XA2P2
XA3P2
XA2P1
XA3P1
XA1P1
XA1P2
XA4P2
XA4P1
XA2P2
J14
J16
J8(TACH)
J4 (PAPER OUT)
J11(STEP SENS)
J6
J13(EIA)
XU1
J15
J12 (STEP MOTOR)
J5 (CARRIAGE MOTOR)
J3 (PRINTHEAD)
J9(FAN)
J2 (RIBBON DRIVE)
J1 (POWER)
+5V
+12V
-12V
GND
SAFETY GND
SCHEMATIC, MOTHER-BOARD, 810
994530 REV.E
994431
8733
E96214
TEXAS INSTRUMENTS

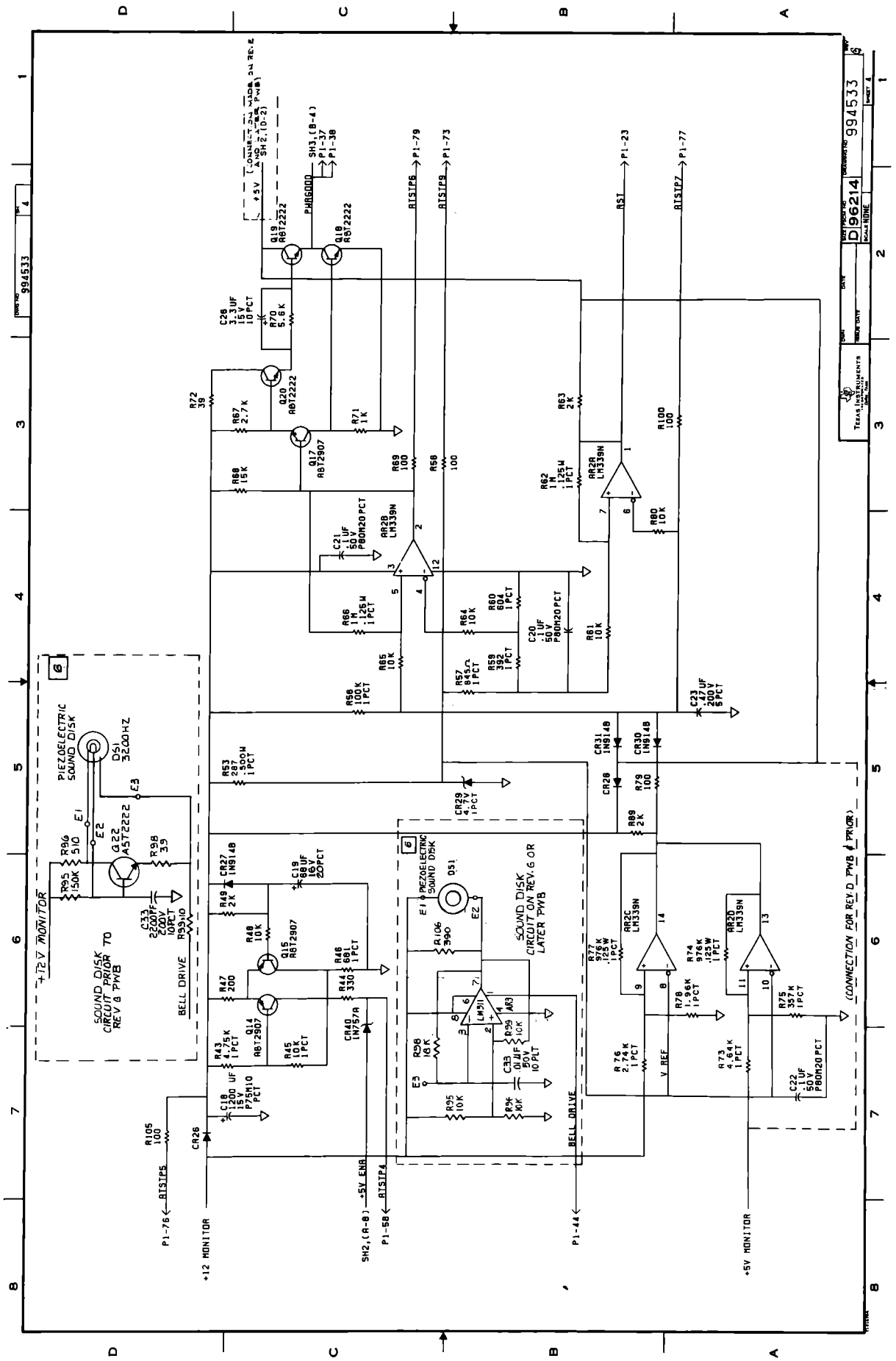
10-43


FUNCTIONAL BLOCK DIAGRAM
NOTES: UNLESS OTHERWISE SPECIFIED:
1. ATSTP DENOTES AUTOMATIC TEST SYSTEM TEST POINT NOT USED IN NORMAL OPERATION
2. RESISTORS ARE ¼W, 5%
3. RESISTOR VALUES ARE IN OHMS
4. DIODES ARE IN4002
5. THIS LOGIC IS USED IN A UL, CSA, VDE, ETC RECOGNIZED MACHINE. ANY MODIFICATION SHOULD HAVE SAFETY AND EMI IMPLICATIONS INVESTIGATED WITH THE APPROPRIATE AGENCY.
6. SMALL PLASTIC OR CAN SMALL-TAB TRANSISTORS PRIOR TO REV E PWB ARE AST TYPE. TO-126 ON REV E OR LATER ARE AST TYPE.
FAN 25V 20W
1.5A
RIBBON DRIVE MOTOR 28V 8W
RIBBON DRIVE SIGNAL
K1
SHEET 3
FILTER CAPACITOR
3 AS8
FILTER CAPACITOR
SHEET 2
30V DC CARRIAGE MOTOR PAPER FEED MOTOR 1.7A AVG 3.0A PEAK
+5
+12
VOLTAGE MONITOR
POWER GOOD /RESET
POWER GOOD
RESET
SHEET 4
+12
+5 ENABLE TIME DELAY
SHEET 4
5 V REGULATOR
FILTER CAPACITOR
+5 4.0A
+8 REGULATOR
SHEET 2
FILTER
SHEET 3
SWITCH
8 SW 200MA AVG CARRIAGE/ PAPERFEED/ PRINTHEAD PREDRIVERS
POWER GOOD
AC LINE
LINE FUSE
EMI FILTER
POWER SWITCH
VOLTAGE RANGE SWITCH
BRIDGE RECTIFIER
28V AC
POWER TRANSFORMER
65V AC
17V AC
17V AC
1A
1A
1A
BRIDGE RECTIFIER
FILTER
SHEET 3
-75V 500MA AVG 15A PEAK PRINTHEAD DRIVERS
FULL WAVE RECTIFIER
FILTER
+12 V REGULATOR
SHEET 3
+12V 350 MA
FULL WAVE RECTIFIER
FILTER
-12 V REGULATOR
SHEET 3
-12V 350MA
-5 V REGULATOR
SHEET 3
-5V 10MA
BELL DRIVE SIGNAL
SIGNAL BELL
SHEET 4
VOLTAGE RANGES (47-63HZ)
NOMINAL (RMS VOLTS) RANGE FUSE
100 85-110 5.0A SB
120 102-132 5.0A SB
220 187-242 2.5A SB
240 204-262 2.5A SB
AC POWER MODULE
P/N 994373
SCHEMATIC 994384
MOTHER BOARD
P/N 994330 OR 994531
SCHEMATIC 994328 OR 994530
PWB 994329 OR 994529
POWER SUPPLY
P/N 994534
SCHEMATIC 994533
PWB 994532
REVISIONS
A CN438085 4/5/79
ADD NOTE 5
FORMAL RELEASE
B CN439023 10/18/79
UPDATE REVISION LEVEL BLOCK
C CN445743 5/18/80
UPDATE REVISION LEVEL BLOCK
D CN465656(D) 11-25-82
E CN477240(E) 1-21-83
F CN471962(D) 4/13/83
G CN505320(D) FRUNTON 7-13-83
H CN513073(D) FRUNTON 7-13-83
J CN505323(D) 12-22-83
PARTS LIST
SCHEMATIC, POWER SUPPLY, 810
TEXAS INSTRUMENTS
D 96214
994533
994534 8733
APPLICATION
430
MT

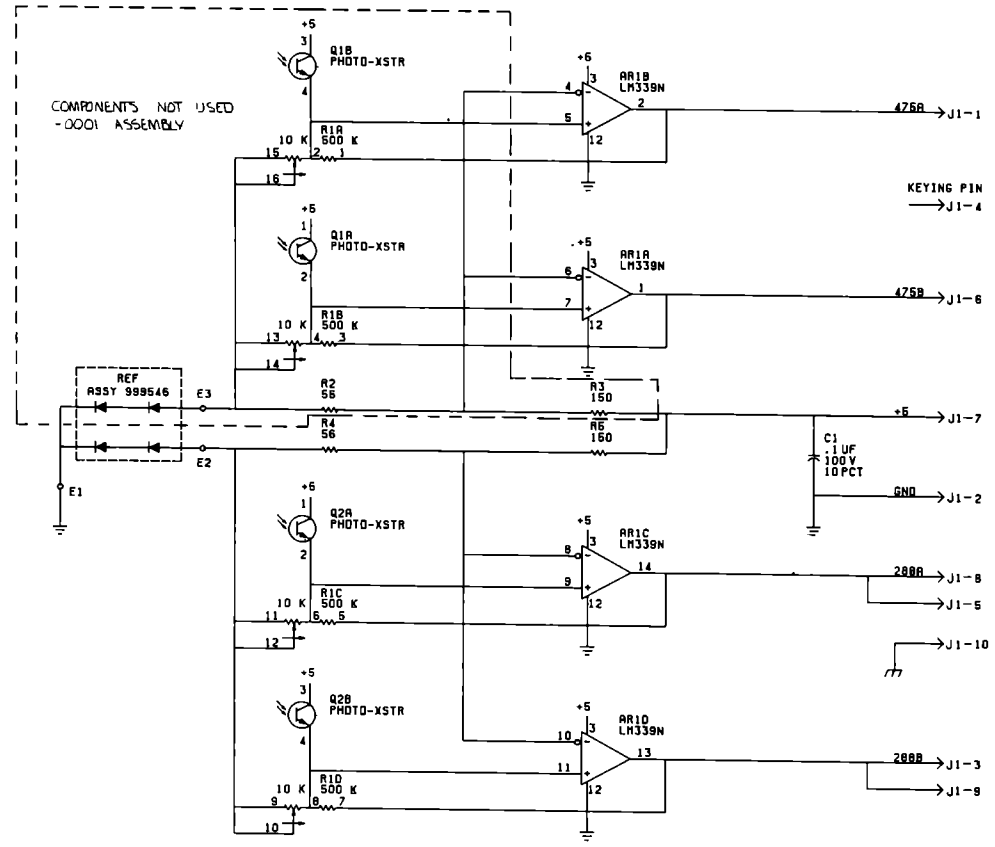

THIS SHEET APPLIES TO ASSY'S USING REV H. OR LATER PWB'S
994533
P2-15 +30V
P2-16
P2-13 -30V
P2-14
R2 10K .5W
CR2
C2 1000 UF 50 V P100M10 PCT
+30 TP E9
R3 10K
+30V
P1-13
P1-14
+5V
SH4,(C-2)
+5 4A MAX
P1-3
P1-4
P1-5
P1-6
C9 4400 UF 7.5 V P100M10 PCT
C7 4400 UF 7.5V P100M10 PCT
30V RETURN
P1-11
P1-12
5 COM
P1-1
P1-2
P1-7
P1-8
R16 10 .5W
CR5
CR6
GND 2
P1-15
P1-16
P1-17
P1-18
P1-25
P1-26
E11 GND TP
R103 1K
ATSTP2
P2-68
CR45
L1 205 UH
F1 5A
Q4 TIP41C
R10 .15 .5W 1PCT
CR30 1N5908 5.6V
+5 TP E10
R17 1K
R11 27
+5 SENSE
P1-10
R7 10
CR4 UES1302
R8 330 .5W
C3 .01 UF 200 V 10 PCT
C4 .1 UF 100 V 10 PCT
R12 6.34K 1PCT
R104 100
P1-54 ATSTP1
Q3 SGD2162/ MPS4356/ABT4029
R6 120
R91 1.2M
R13 1K .75W 10PCT
CW INCREASE +5
+5V MONITOR
P1-24
P2-77
P2-78
+15
R92 2K
Q2 2N4410
C5 220 PF 200 V 10 PCT
L2 220 UH 5 PCT
A21 LM305/LM316
Q21 ABT2907
R90 5.1K
Q6 ABT2222
+12 MONITOR
P2-69
P2-70
SH4,(C-8) +5V ENA
Q1 2N4410
R4 1K
R50 100
C6 .01 UF 50 V P80M20 PCT
C30 220 PF 200 V 10 PCT
R94 3.3
R14 3.24K 1PCT
R9 8.2
P1-59 ATSTP10
+5 COM SENSE
P1-9
R15 27
TEXAS INSTRUMENTS
D 96214
994533
J
SCALE NONE
SHEET 2


NOTE: THIS SHEET APPLIES TO ASSY'S USING PWB'S PRIOR TO PWB REV. H
994533
2A
+30 TP
E9
R3
10K
+30V
P1-13
P1-14
+5V
SH4,(C-2)
+5 4A MAX
P1-3
P1-4
P1-5
P1-6
30V RETURN
P1-11
P1-12
5 COM
P1-1
P1-2
P1-7
P1-8
GND 2
P1-15
P1-16
P1-17
P1-18
1AB GND
P1-25
P1-26
GND TP
E11
ATSTP2
P2-68
+5 TP
E10
R17
1K
+5 SENSE
P1-10
+5V MONITOR
P1-24
P2-77
P2-78
+12 MONITOR
P2-69
P2-70
+5 COM SENSE
P1-9
P2-15
P2-16
+30V
P2-13
P2-14
-30V
R2
10K
.5W
CR2
C2
1000 UF
50 V
P100M10 PCT
L7
2200 UF
12 V
P100M10 PCT
C8
2200 UF
12 V
P100M10PCT
C9
4400 UF
7.5 V
P100M10 PCT
R16
10
.5W
CR5
CR6
R103
1K
R10
.12
.5W
1PCT
CR45
L1
20S
Q4
TIP41C
R7
10
CR4
UES1302
R8
330
.5W
C3
.01 UF
200 V
10PCT
C4
.1UF
100V
10PCT
R11
27
R12
6.34K
1PCT
R13
1K
.75W
10PCT
CW
INCREASE
+5
P1-54
ATSTP1
R104
100
R6
120
R91
1.2M
Q3 SGD2162/
A6T4029/MPS4356
CR36
IN9148
CR37
IN9148
CR38
IN9148
R92
2K
R93
51
Q2
2N4410
Q21
A6T2907
C5
220PF
200V
10PCT
L2
220UH
5PCT
A21
LM376/LM306
BD CO
IN FB
CL RO
RF
Q6
A8T2222
R90
5.1K
SH4,(C-8)
+5V ENA
Q1
2N4410
R4
1K
R50
100
C6
.01UF
50V
P80M20PCT
R9
8.2
C30
220PF
200V
10PCT
R94
3.3
R14
3.24K
1PCT
P1-59
ATSTP10
CR39
UZ8818
R15
27
TEXAS INSTRUMENTS
D96214
994533
16
2A


994533
3
+12 UNREG
+12 TP
E4
R31
1K
+12V
P2-75
P2-76
CR17
12V COM
P2-79
P2-80
-5V
P2-71
P2-72
-12V
P2-73
P2-74
+8 SW TP
E6
R37
1K
+8V SW
P2-83
P2-84
P2-85
P2-86
+8 REG
-12 TP
E5
-5 TP
E8
75V COM
P2-59
P2-60
P2-61
P2-62
-75V
P2-55
P2-56
P2-57
P2-58
R40
30K
.5W
-75 TP
E7
+12 MONITOR
P2-4
P2-6
P2-3
ARC SUPPRESSION CAP
FOR RIBBON DRIVE SWITCH
RIBBON-
P2-25
P2-26
3 AMP Q13
A072907
TO RIBBON DRIVE
PWRGOOD
SH4,(C-1)
Q8
TIP115
Q7
2N4410
65AC HI
65AC LOW
28AC HI
P2-9
P2-10
P2-7
P2-8
P2-5
17AC 1
17AC COM
17AC 2
P2-19
P2-20
P2-21
P2-22
P2-23
P2-24
VR2
UA78M12
VR3
UA7808
VR1
MC7912CT
CR1
CR2
CR3
CR4
CR5
CR6
CR7
CR8
CR9
CR10
CR11
CR12
CR13
CR14
CR15
CR16
E7918
CR18
CR19
CR21
CR22
CR23
CR24
1N4003
CR25
1N9148
CR41
1N914B
CR42
1N914B
CR43
C10
2100UF
40V
M10P75PCT
C11
1500 UF
40 V
45 PCT
C12
.22 UF
50 V
10 PCT
C13
.1 UF
50 V
P80M20 PCT
C14
6.8 UF
35 V
10 PCT
C15
1700 UF
10 V
P100M10 PCT
C16
860 UF
125 V
P75M10 PCT
C17
12 UF
100 V
10 PCT
C31
6.8 UF
35 V
10 PCT
C32
6.8 UF
35 V
10 PCT
C34
6.8 UF
35 V
10 PCT
C37
.22 UF
50 V
10 PCT
C38
.1 UF
50 V
P80M20 PCT
C1
.1 F
400 V
10 PCT
R29
1.2K
1W
R30
1.2K
1W
R32
10
.5W
R33
240
.5W
R34
1K
R35
1K
R36
10
.5W
R38
470
.5W
R39
4.7K
5W
R41
2.2K
R42
1K
R18
750
R19
1K
R20
680
R21
1K
K1
12 V
5
3
2
1
TEXAS INSTRUMENTS
D96214
994533
SCALE NONE
SHEET 3


+12V MONITOR
SOUND DISK CIRCUIT PRIOR TO REV B PWB
PIEZOELECTRIC SOUND DISK
DS1 3200HZ
Q22 A572222
R96 510
R95 150K
R98 39
C33 2200PF 200V 10PCT
R99 10
BELL DRIVE
CR27 1N9148
R49 2K
C19 80UF 16V 20PCT
R48 10K
Q15 A872907
R47 200
R46 681 1PCT
R44 330
Q14 A872907
R43 4.75K 1PCT
R45 10K 1PCT
CR40 1N7578
C18 1200 UF 15V P75510 PCT
R105 100
CR26
P1-76
RTSTP5
+12 MONITOR
SH2,(A-B)
+5V ENB
P1-58
RTSTP4
SOUND DISK CIRCUIT ON REV. G OR LATER PWB
PIEZOELECTRIC SOUND DISK
DS1
R106 390
LM311
R96 18K
R97 10K
C33 .01UF 50V 10PCT
R95 10K
R94 10K
BELL DRIVE
(CONNECTION FOR REV D PWB & PRIOR)
P1-44
+5V MONITOR
V REF
R77 1.96K .125W 1PCT
AR2C LM339N
R78 1.96K 1PCT
R74 976K .125W 1PCT
AR2D LM339N
R76 2.74K 1PCT
R73 4.64K 1PCT
R75 357K 1PCT
C22 .1UF 50V P80H20 PCT
+5V (CONNECT TO PWB REV. E SH2,(10-2))
Q19 A872222
Q18 A872222
PWRGOOD
SH3,(8-4)
P1-37
P1-38
RTSTP6
P1-79
RTSTP9
P1-73
RST
P1-23
RTSTP7
P1-77
C26 3.3UF 15V 10PCT
R70 5.6K
Q20 A872222
R72 39
R67 2.7K
R71 1K
Q17 A872907
R68 15K
R69 100
R58 100
R63 2K
R100 100
R62 1M .125W 1PCT
AR2A LM339N
R80 10K
C21 .1UF 50V P80H20 PCT
AR2B LM339N
R66 1M .125W 1PCT
R64 10K
R60 604 1PCT
C20 .1UF 50V P80H20 PCT
R61 10K
R65 10K
R57 845 1PCT
R59 392 1PCT
R56 100K 1PCT
C23 .47UF 200V 5PCT
R53 287 .500W 1PCT
CR29 4.7V 1PCT
CR31 1N9148
CR30 1N9148
CR28
R79 100
R89 2K
DWG NO 994533
D96214
994533
TEXAS INSTRUMENTS

NOTES: UNLESS OTHERWISE SPECIFIED:
1. RESISTANCE VALUES ARE IN OHMS
2. RESISTORS ARE ,.25 W,10 PCT



J1
COMPONENT SIDE

1	2
3	X
5	6
7	8
9	10

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

SEQ NO	IDENT	F.SPEC	NO	ADDITIONAL
PROCESS		CLASSIFICATION		NOTES

PROCESSES — FOR CORRELATION TO GOVT./IND SPECIFICATIONS, SEE TI DRAWING 729467

QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES
			PARTS LIST		

994641	8733
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES ANGLES ±1°
  3 PLACE DECIMALS ± .010
  2 PLACE DECIMALS ± .02
- INTERPRET DRAWING PER MIL-D-1000
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS .010 TIR
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

.013 THRU .125 : .001	.126 THRU .250 : .002 .001	.251 THRU .500 : .003 .001
.501 THRU .750 : .003 .001	.751 THRU 1.000 : .010 .001	1.001 THRU 2.000 : .012 .002

DWN	C S Hill	DATE 3/14/79
CHK		8/21/79
ENG		8/22/79
QA		3/22/79
COMM		3/22/79
MFG		3/22/79

TEXAS INSTRUMENTS
INCORPORATED
Dallas, Texas

ELECTRONIC: SCHEMATIC DIAGRAM, ENCODER

SIZE	CAGE NO	DRAWING NO
D	96214	994540
SCALE NONE		SHEET

H-MT

DRAWING NO 994559 SH 1

REVISIONS				
REV	DESCRIPTION		DATE	APPROVED
A	CN477210 (D) [illegible]		1-26-81	[illegible]
B	CN477238 (D) [illegible]		4-15-81	[illegible]
C	CN488031 (D) M.DURHAM	1-17-84	11/24/84	[illegible]

NOTES: UNLESS OTHERWISE SPECIFIED:

1. DIODES ARE 1N914 B
2. RESISTORS ARE ¼ WATT, 5%
3. OMIT THE FOLLOWING COMPONENTS FOR EACH SWITCH ASSEMBLY

   BASIC (994557-0001) CR1-20, CR25, R5, 5B-S10, S18, R7
   DELUXE (994557-0002) CR25, 38, R7
   DELUXE WITH COMPRESSED PRINT (994557-0003) R7
   ~~[illegible]~~
   ~~[illegible]~~
   880 (2222844) S11

4. RESISTANCE VALUES ARE IN OHMS
5. CAPACITANCE VALUES ARE IN MICROFARADS
6. ~~[illegible]~~
7. U1 VCC IS PIN 14, GND. IS PIN 7

SWITCH CODE S12					880 FUNCTIONS	810 FUNCTIONS	
POS	D	C	B	A		VFC	FORM LENGTH
1				X	DRAFT 10	1	3
2			X		DRAFT 12	2	3.5
3			X	X	DRAFT 18	3	4
4		X			ENHANCED 10	4	5.5
5		X		X	ENHANCED 12	5	6
6		X	X		HOST	6	7
7		X	X	X	A	7	8
8	X				B	8	8.5
9					C	NOT USED	11
10	X		X		D	NOT USED	12
11	X		X	X	E	NOT USED	14
12	X	X			F	NOT USED	PROG

X = LOGIC LOW

8. J16 IS LOCATED ON MOTHERBOARD (994531) OR CONTROL PANEL ADAPTER (994545) FOR 810
9. J16 PIN NUMBERING ON 994531

   34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13
   29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
   J16

10. P16 IS SOCKET END OF CONTROL PANEL CABLE
11. P1-1 THRU P1-34 ARE LOCATED ON CONTROL PANEL PWB
12. J18 IS LOCATED ON MOTHERBOARD (2222814) FOR 880
13. SHEET 2 IS FOR 810 CONTROL PANEL
    SHEET 3 IS FOR 880 CONTROL PANEL

REV STATUS OF SHEETS	REV	C	B	C
	SH	1	2	3

PARTS LIST

ITEM NO	QTY	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	PROCUREMENT SPECIFICATION	NOTES

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES
- TOLERANCES: ANGLES ±1°; 1 PLACE DECIMAL ±.1; 2 PLACE DECIMAL ±.01
- INTERPRET DRAWING PER ANSI Y14.5 (1973)
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY SPECIFIED DIAMETERS .01 R.M.
- DIMENSIONS IN PARENTHESES ARE FOR REFERENCE ONLY
- PARENTHETICAL INFO IS FOR REF ONLY

HOLE TOLERANCE

.062 ±.004	.094 ±.004	.128 ±.005	.782 ±.005	
1.5%	.011	.130	.800	.021
.562 ±.010	.750 ±.010	1.000 ±.010	1.250 ±.010	
.750	.093	1.000	1.000	.031

2222844	8754
994557	8733
NEXT ASSY	USED ON
APPLICATION	

W.L. Pinkley 2-2-79
[illegible] 3/27/80
[illegible]
Carl Knox 3/24/80
R. Bradford 3/24/80
Gail Crews 3/28/80
R. Dickerson 4-7-80

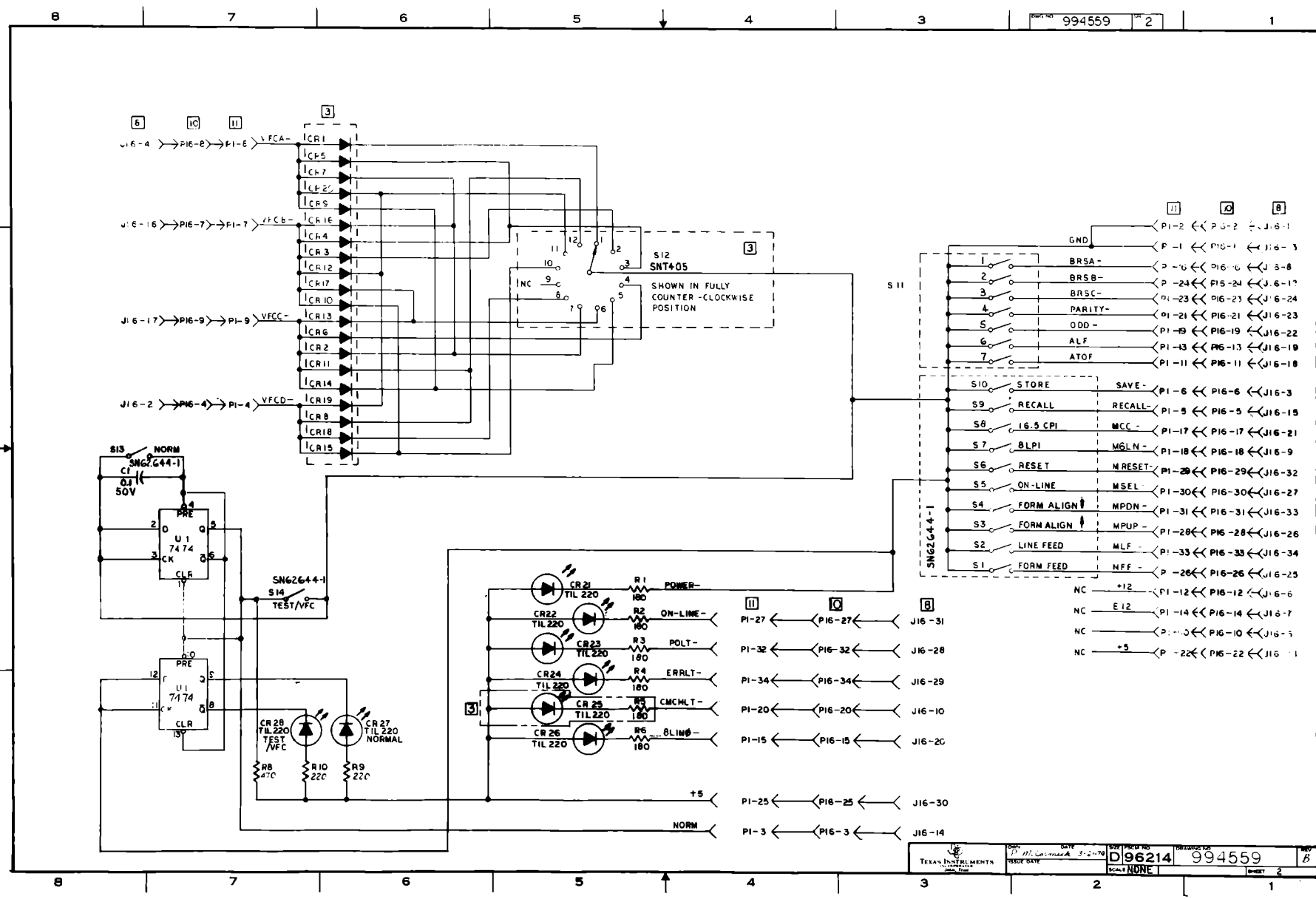
TEXAS INSTRUMENTS INCORPORATED, Dallas, Texas

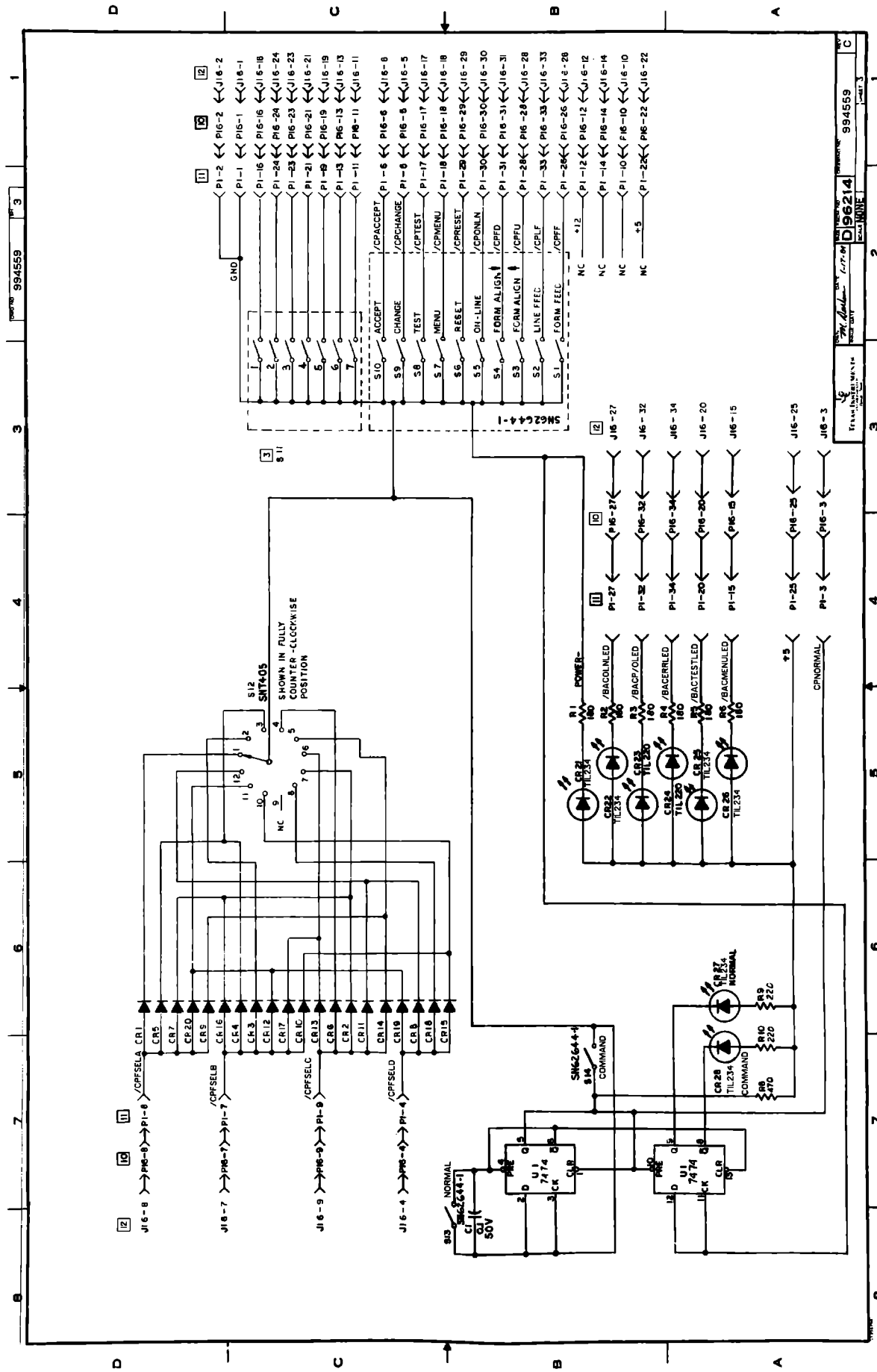
DIAGRAM, SCHEMATIC, SWITCHBOARD ASSEMBLY

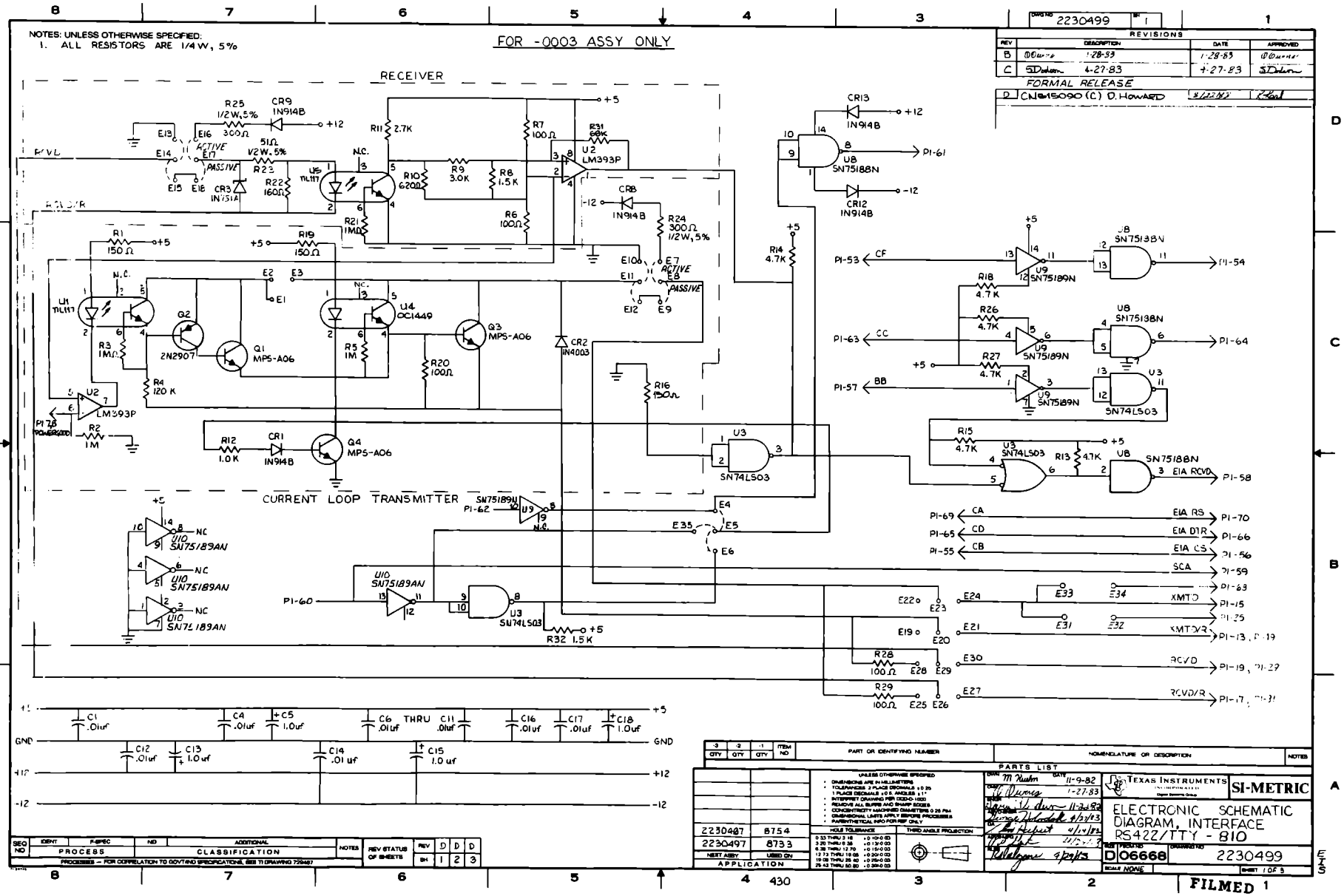
880 NO	IDENT	T-SPEC	NO	ADDITIONAL	NOTES
	PROCESS		CLASSIFICATION		
PROCESSED — FOR CORRELATION TO GOVT/MIL SPECIFICATIONS, SEE TI DRAWING 7261					

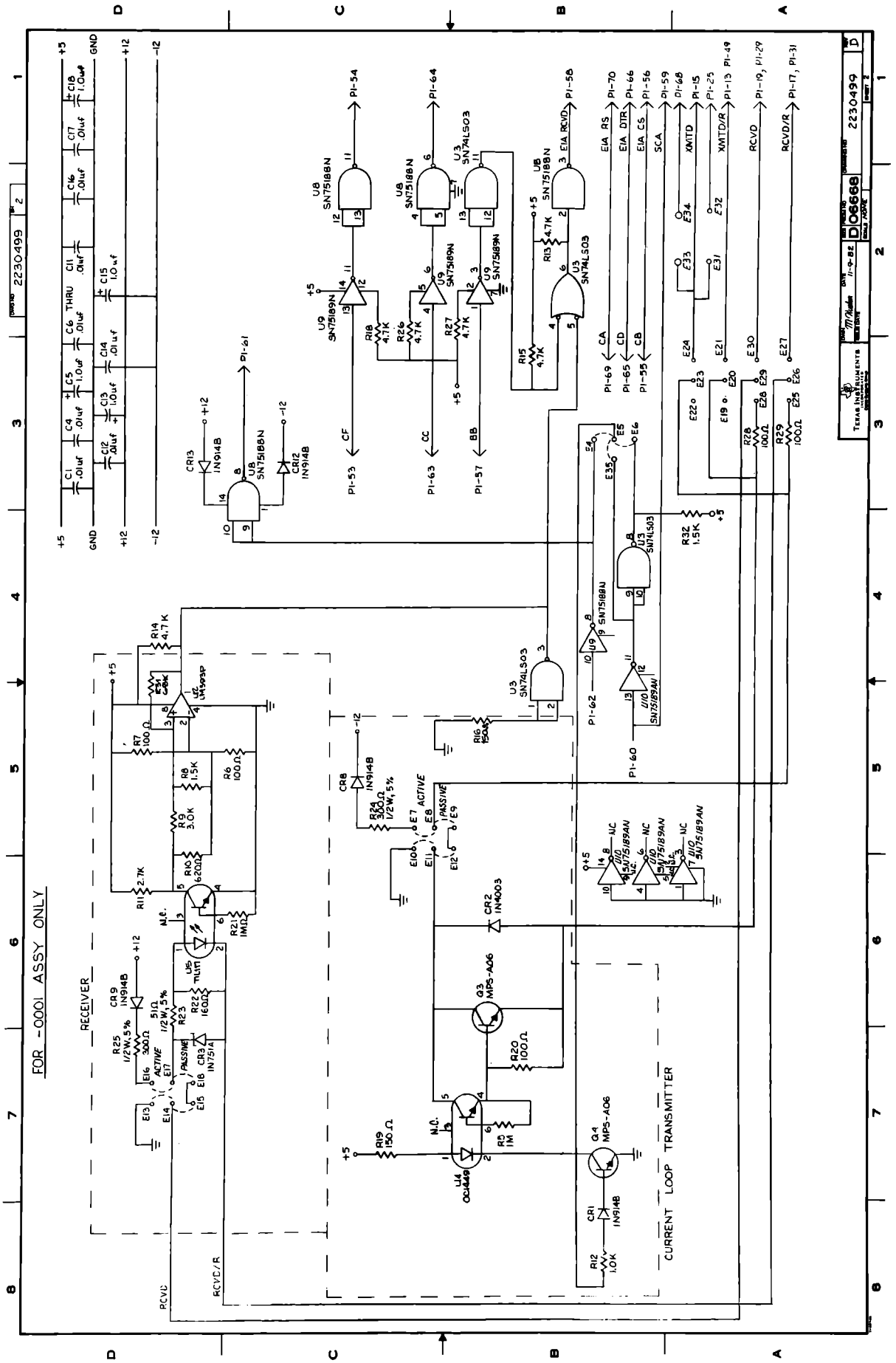
SIZE D | DRAWING NO 994559 | REV D96214 | SCALE NONE | SHEET 2 OF 3

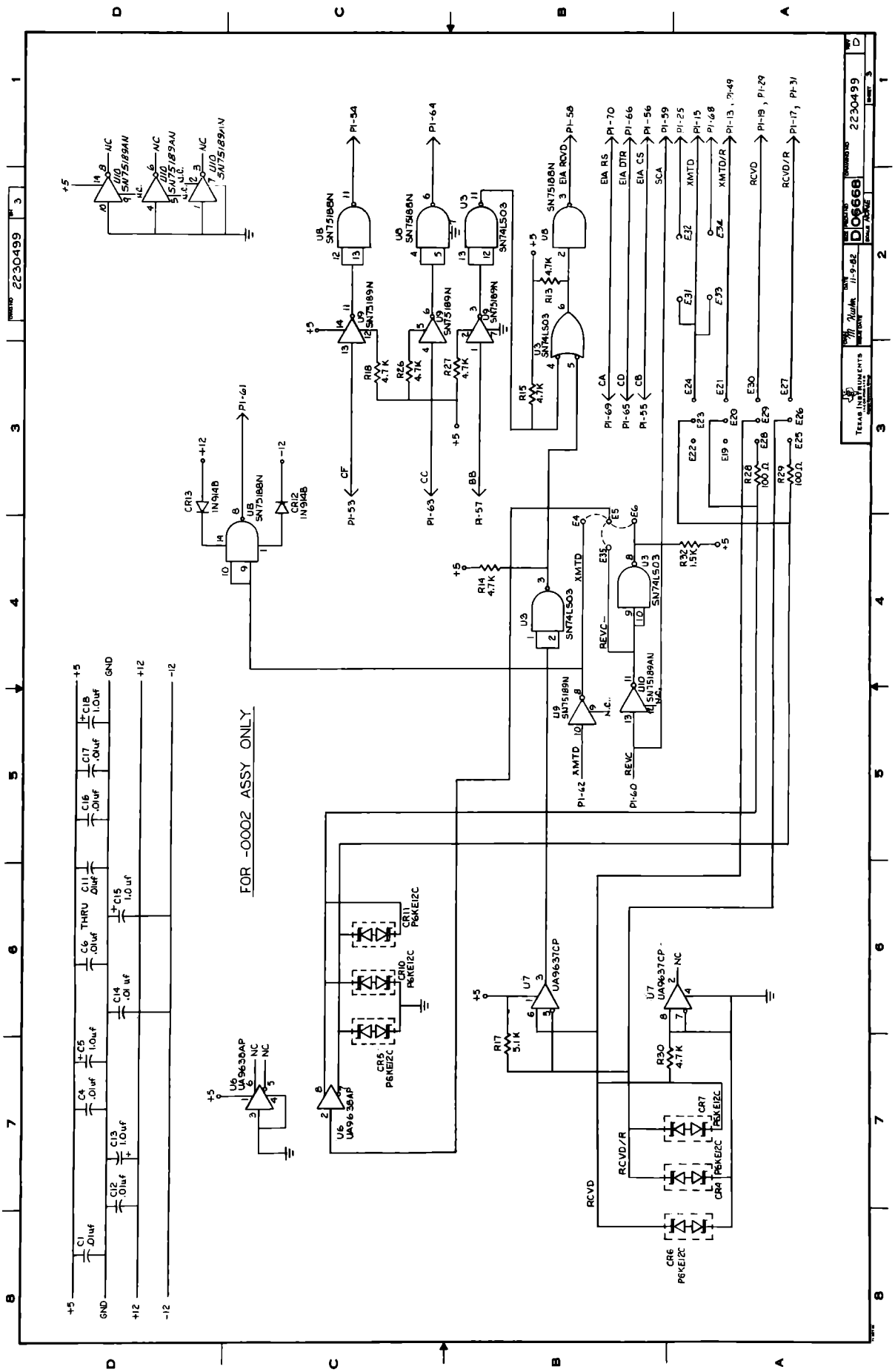
2 FILMED DB


994559
2
SN62644-1
SN7474
SNT405
SHOWN IN FULLY COUNTER-CLOCKWISE POSITION
S11
S12
S13
S14
TEST/VFC
NORM
POWER-
ON-LINE-
POLT-
ERRLT-
CMCHLT-
BLINK-
+5
GND
BRSA-
BRSB-
BRSC-
PARITY-
ODD-
ALF
ATOF
STORE
RECALL
16.5 CPI
8LPI
RESET
ON-LINE
FORM ALIGN
FORM ALIGN
LINE FEED
FORM FEED
SAVE-
RECALL-
MCC-
MGLN-
MRESET-
MSEL
MPDN-
MPUP-
MLF-
MFF-
+12
-12
NC
D96214
994559
B
NONE




NOTES: UNLESS OTHERWISE SPECIFIED:
1. ALL RESISTORS ARE 1/4 W, 5%
FOR -0003 ASSY ONLY
RECEIVER
CURRENT LOOP TRANSMITTER
REVISIONS
FORMAL RELEASE
ELECTRONIC SCHEMATIC DIAGRAM, INTERFACE RS422/TTY - 810
TEXAS INSTRUMENTS
SI-METRIC
PARTS LIST
2230499
D06668
FILMED


FOR -0001 ASSY ONLY
RECEIVER
CURRENT LOOP TRANSMITTER
RCVD
RCVD/R
2230499
D06666
TEXAS INSTRUMENTS
EIA RS
EIA DTR
EIA CS
SCA
XMTD
XMTD/R
RCVD
RCVD/R
EIA RCVD
CA
CD
CB
CF
CC
BB
ACTIVE
PASSIVE
N.C.
N.C.


FOR -0002 ASSY ONLY
2230499
D06668
2230499
TEXAS INSTRUMENTS
U5 SN75189AN
U8 SN75188N
U9 SN75189N
U3 SN74LS03
U7 UA9637CP
U6 UA9636AP
CR1 P6KE12C
CR2 1N914B
R13 4.7K
R14 4.7K
R15 4.7K
R17 5.1K
R18 4.7K
R26 4.7K
R27 4.7K
R28 100Ω
R29 100Ω
R30 4.7K
R32 1.5K
C1 .01uf
C4 .01uf
C5 1.0uf
C6 .01uf
C11 .01uf
C12 .01uf
C13 1.0uf
C14 .01 uf
C15 1.0 uf
C16 .01uf
C17 .01uf
C18 1.0uf
XMTD
RCVC
RCVD
RCVD/R
EIA RS
EIA DTR
EIA CS
SCA
XMTD
XMTD/R
RCVD
RCVD/R
EIA RCVD
CA
CD
CB
CF
CC
BB

10-56

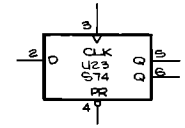
DWG NO 2232577 SH 1

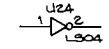
REVISIONS

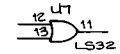
REV	DESCRIPTION	DATE	APPROVED
A	CN4986096 (D) SDobson	83/11/02	Rex Ford

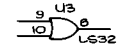
NOTES: UNLESS OTHERWISE SPECIFIED:

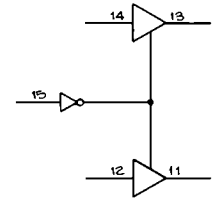
1. XU10 AND XU12 ARE FOR FUTURE USE ONLY
2. C11 IS FOR FUTURE USE ONLY
3. ALL DEVICE TYPES ARE PREFIXED WITH SN74
4. GROUND IS APPLIED TO PIN 4 OF ALL 8 PIN ICS, PIN 7 OF ALL 14 PIN ICS, PIN 8 OF ALL 16 PIN ICS, AND PIN 10 OF ALL 20 PIN ICS
5. VCC (+5V) IS APPLIED TO PIN 8 OF ALL 8 PIN ICS, PIN 14 OF ALL 14 PIN ICS, PIN 16 OF ALL 16 PIN ICS, PIN 18 OF ALL 18 PIN ICS, AND PIN 20 OF ALL 20 PIN ICS
6. RESISTANCE VALUES ARE ¼ WATT, 5%
7. CAPACITANCE IS IN MICROFARADS
8. LINE SIGNATURES WITH A SLASH SUFFIX (/) DENOTE THE USE OF NEGATIVE LOGIC
9. ETCH/FEED THROUGH HOLES PS1 - PS4 ARE FOR FUTURE USE ONLY
10. NUMBERS REFER TO PINOUTS OF THE 4764 EPROM. (NUMBERS) REFER TO PINOUTS OF THE 2564 EPROM. (-) REFER TO PINOUTS THAT THE 4764 LACKS WHEN COMPARED TO THE 2564.



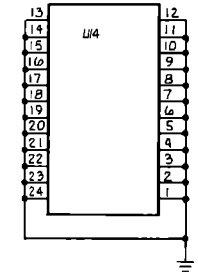








U13 LS367
GATE COMMON EXCLUSIVE PIN 15



-3 QTY	-2 QTY	-1 QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	NOTES

PARTS LIST

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN MILLIMETERS
- TOLERANCES: 2 PLACE DECIMALS ± 0.25
- 1 PLACE DECIMALS ± 0.5 ANGLES ± 1°
- INTERPRET DRAWING PER DOD-D-1000
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS Ø .25 FIM
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSING
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

0.25 THRU 3.18	+0.10/-0.03
3.20 THRU 6.35	+0.13/-0.03
6.38 THRU 12.70	+0.15/-0.03
12.73 THRU 19.05	+0.20/-0.03
19.08 THRU 25.40	+0.25/-0.03
25.43 THRU 50.80	+0.35/-0.03

THIRD ANGLE PROJECTION

DRWN Richard Ellison DATE 2-16-83
DSGN [illegible] 3-7-83
STRS [illegible] 3-24-83
APPROVED George Hubbard 3-24-83
[illegible] 3/24/83
[illegible] 3/24/83

TEXAS INSTRUMENTS INCORPORATED — SI-METRIC

DIAGRAM, 2ND GEN 810 LQ (HALF-SIZE)

SIZE D | PROJ NO 06668 | DRAWING NO 2232577

SCALE NONE | SHEET 1 OF 5

SEQ NO	IDENT	F-SPEC	NO	ADDITIONAL	NOTES
	PROCESS		CLASSIFICATION		

PROCESSES — FOR CORRELATION TO GOVT AND SPECIFICATIONS, SEE TI DRAWING 729487

REV STATUS OF SHEETS

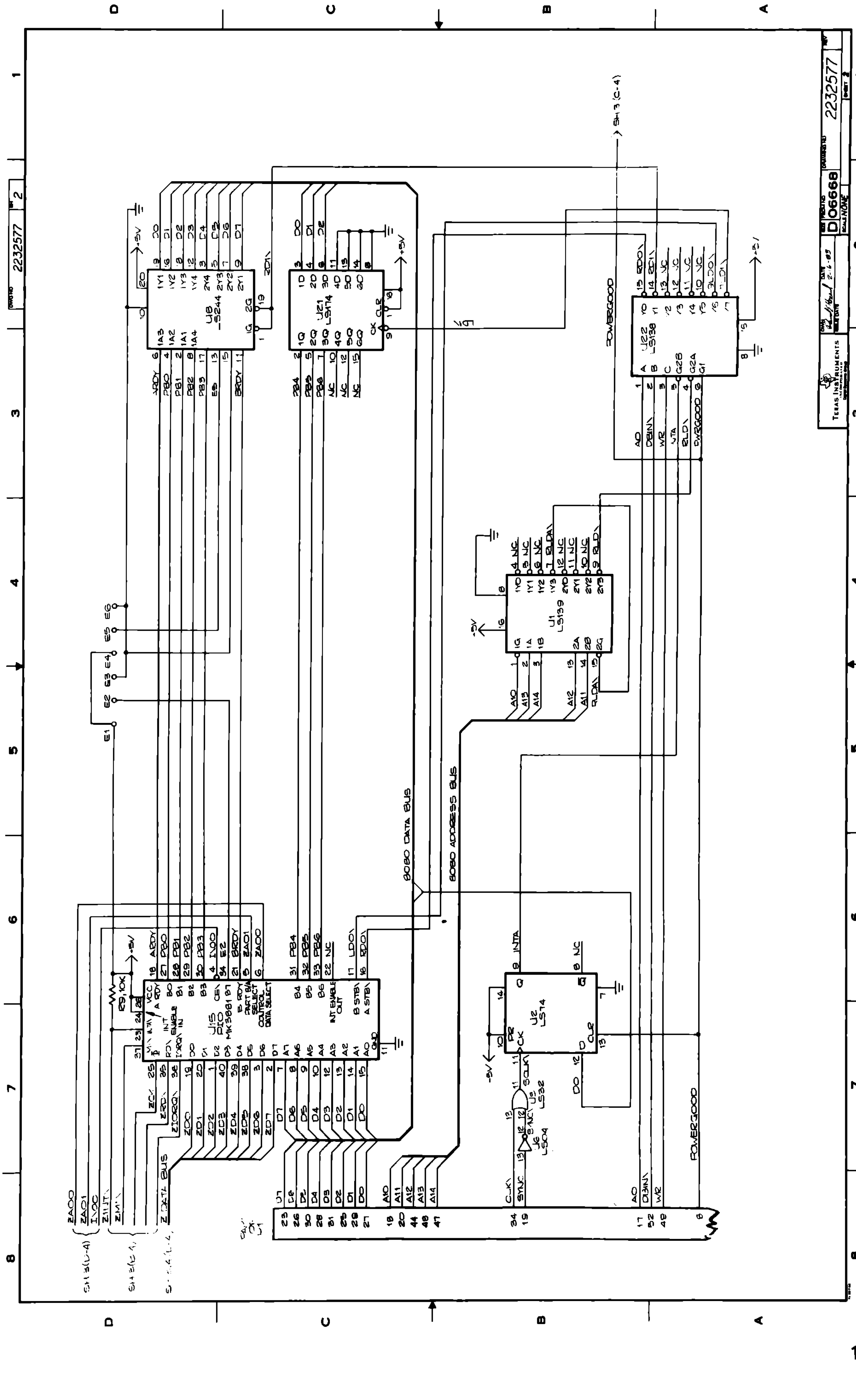
REV	A		A	A	A
SH	1	2	3	4	5

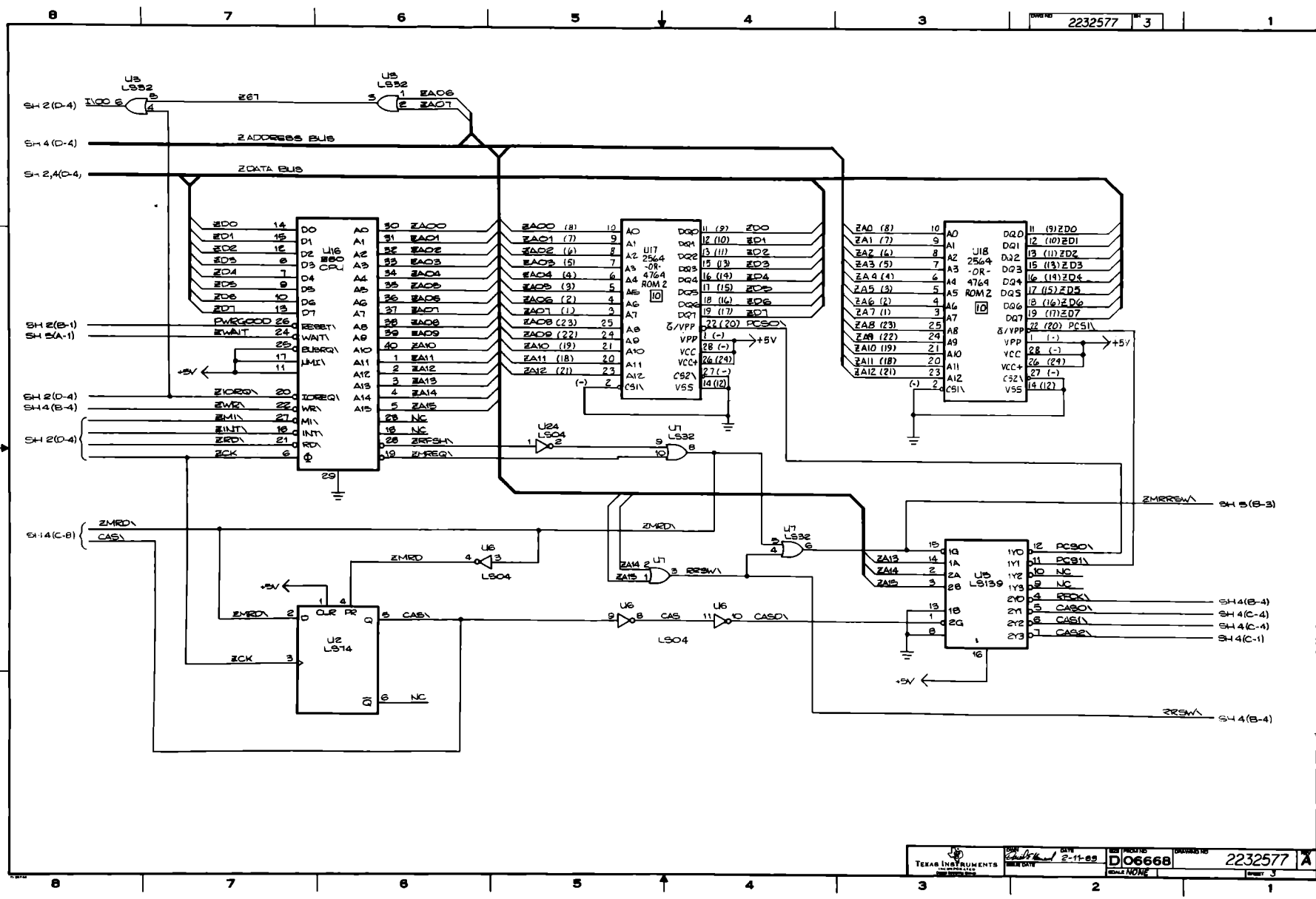
2232575 8733
NEXT ASSY USED ON
APPLICATION

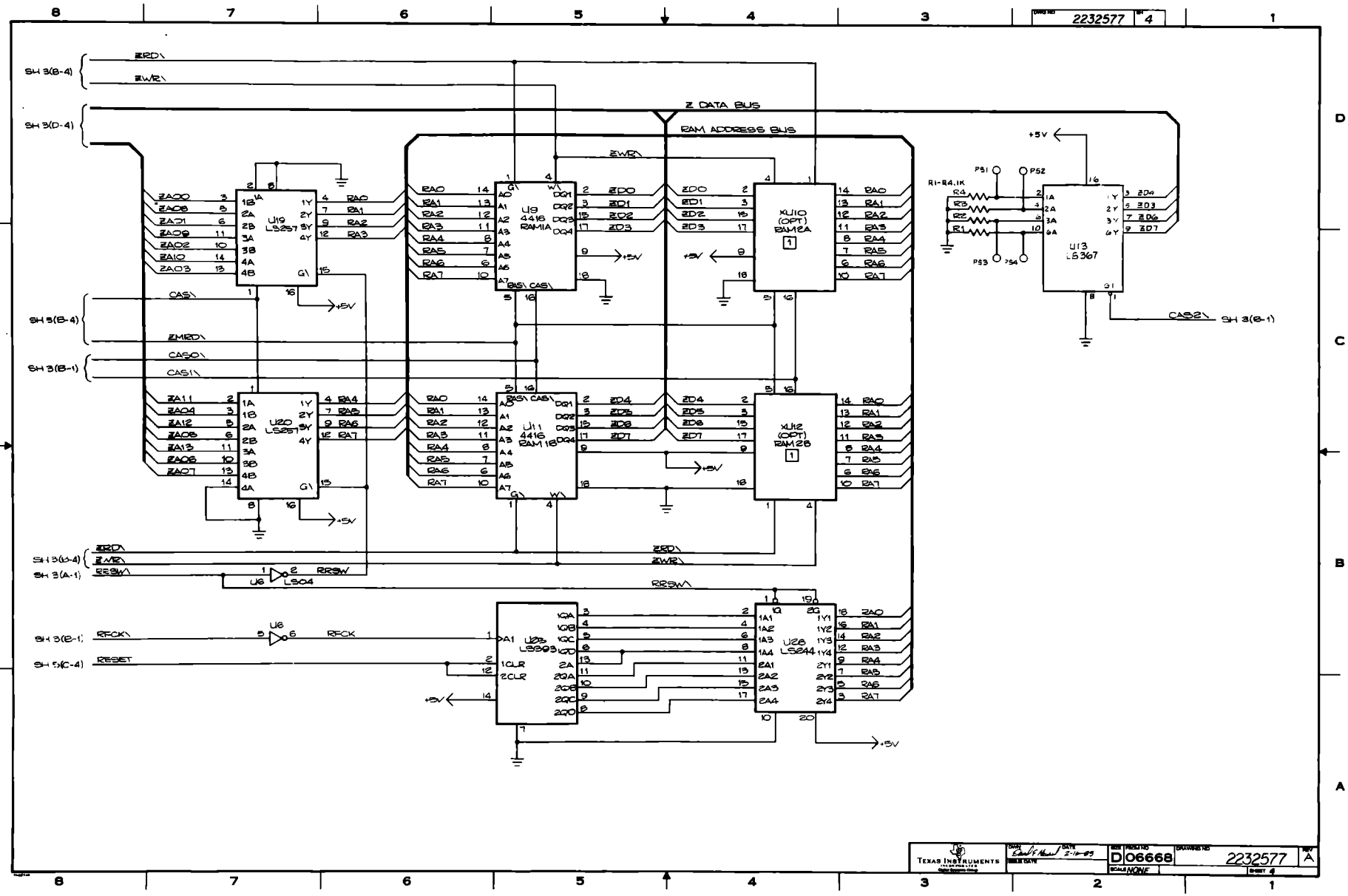
430

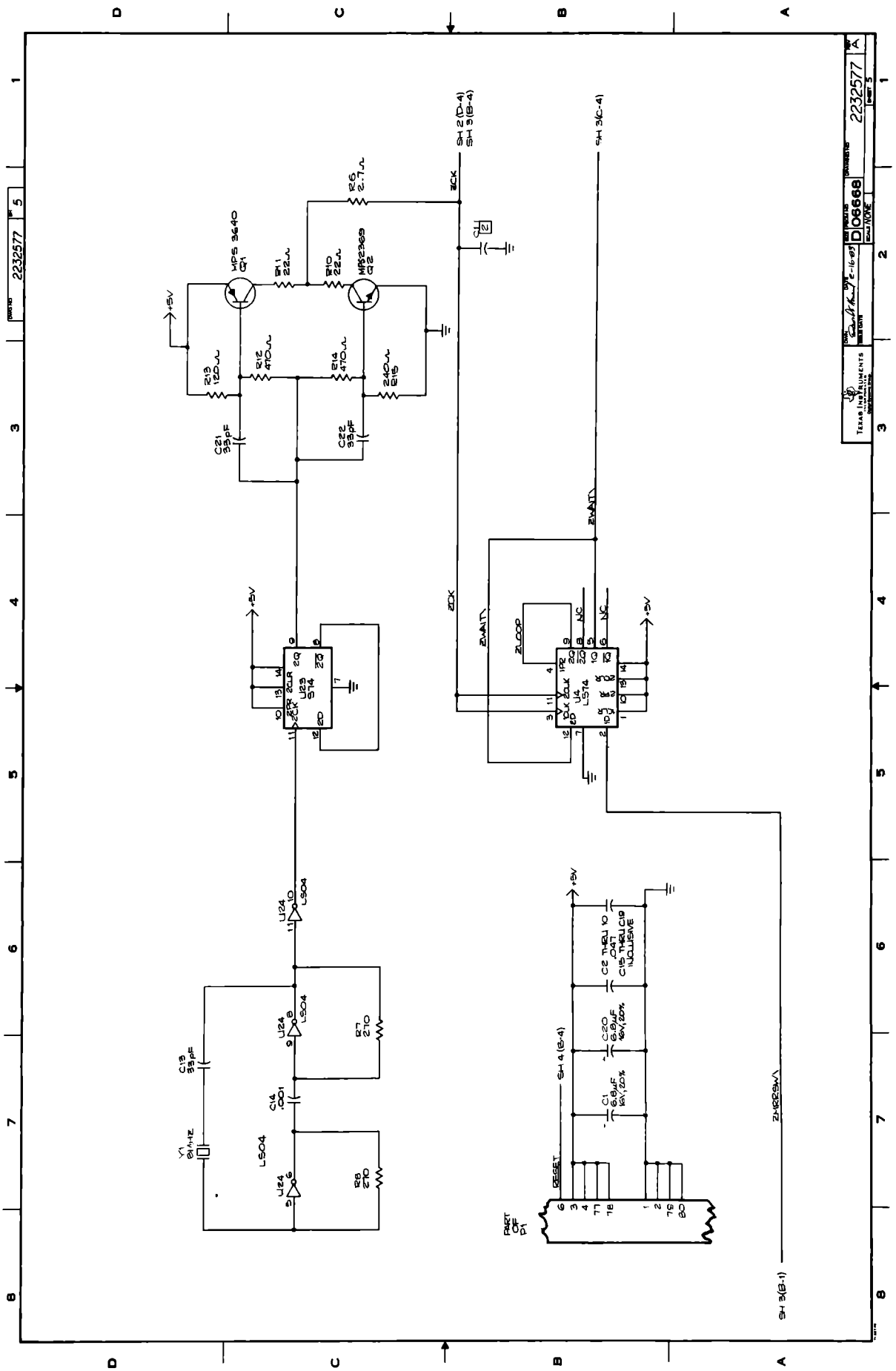
FILMED 1

U145


2232577
D 06668
SCALE NONE
TEXAS INSTRUMENTS
U8 LS244
U21 LS174
U22 LS138
U1 LS139
U15 PIO MK3881
U2 LS74
U6 LS04
U5 LS32
8080 DATA BUS
8080 ADDRESS BUS
Z DATA BUS
POWERGOOD
SH 3 (C-4)


2232577
3
U3 LS32
SH 2(D-4)
I100 6
Z67
ZADDRESS BUS
SH 4(D-4)
ZDATA BUS
SH 2,4(D-4)
ZA06
ZA07
U16 Z80 CPU
ZD0
ZD1
ZD2
ZD3
ZD4
ZD5
ZD6
ZD7
PWRGOOD
ZWAIT
SH 2(B-1)
SH 5(A-1)
RESET\
WAIT\
BUSRQ\
NMI\
IORQ\
WR\
MI\
INT\
RD\
M1
ZCK
SH 2(D-4)
SH 4(B-4)
SH 2(D-4)
ZA00
ZA01
ZA02
ZA03
ZA04
ZA05
ZA06
ZA07
ZA08
ZA09
ZA10
ZA11
ZA12
ZA13
ZA14
ZA15
NC
ZRFSH\
ZMREQ\
U17 2564 -OR- 4764 ROM 2
U18 2564 -OR- 4764 ROM 2
PCS0\
PCS1\
+5V
U24 LS04
U7 LS32
ZMRSW\
SH 5(B-3)
SH 4(C-8)
ZMRD\
CAS\
U6 LS04
U2 LS74
CLR PR
CAS\
U5 LS139
RRDK\
CAS0\
CAS1\
CAS2\
SH 4(B-4)
SH 4(C-4)
SH 4(C-4)
SH 4(C-1)
RRSW\
SH 4(B-4)
TEXAS INSTRUMENTS
2-11-89
D06668
2232577
A
NONE

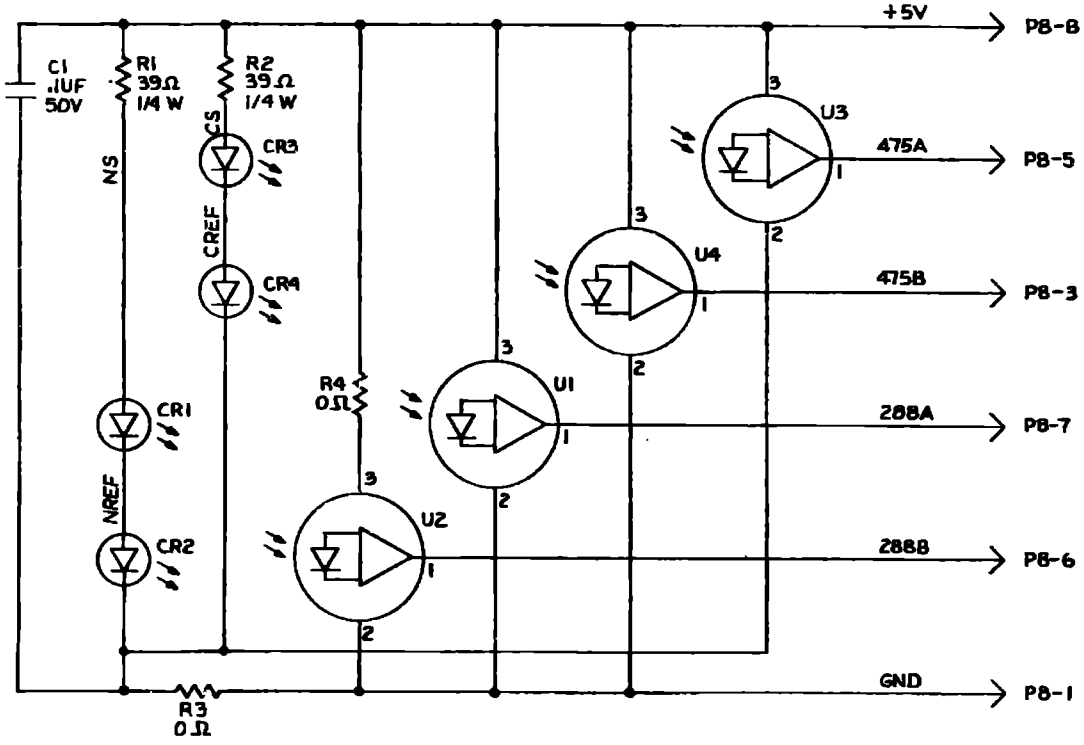

2232577
4
Z DATA BUS
RAM ADDRESS BUS
ZRD\
ZWR\
CAS\
ZMRD\
CAS0\
CAS1\
RRSW
RFCK
RESET
U19 LS257
U20 LS257
U6 LS04
U19 4416 RAM1A
U11 4416 RAM1B
XU10 (OPT) RAM2A
XU11 (OPT) RAM2B
U23 LS393
U26 LS244
U13 LS367
R1-R4,1K
P51
P52
P53
P54
CAS2\
SH 3(B-4)
SH 3(D-4)
SH 5(B-4)
SH 3(B-1)
SH 3(A-1)
SH 5(C-4)
TEXAS INSTRUMENTS
D06668
2232577
A
SCALE NONE


2232577
D06668
TEXAS INSTRUMENTS
SH 2 (D-4)
SH 5 (E-4)
SH 3(C-4)
SH 4 (E-4)
SH 3(B-1)
ZCK
ZWAIT
ZLOOP
ZWAIT
+5V
MPS 3640
MPS2369
Q1
Q2
R1 22Ω
R10 22Ω
R6 2.7Ω
R13 120Ω
R12 470Ω
R14 470Ω
R15 240Ω
C21 33pF
C22 33pF
C12 .1
U23 S14
U4 LS74
U24 LS04
C13 33pF
C14 .001
R7 270
R8 270
Y1 8MHz
C1 6.8µF
C20 6.8µF
C2 THRU C10
C15 THRU C19
.01µF
PART OF P1
RESET

NOTES, UNLESS OTHERWISE SPECIFIED:

1. R2, CR3, CR4, U3 AND U4 ARE USED ON -0002 ONLY
2. U1-U4 PIN NUMBERS SHOWN FOR ULN3330D ONLY. SEE ASSEMBLY DRAWING FOR ALTERNATE CONFIGURATIONS

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	CN513948 (D) SD dlw	1-10-84	SD dlw
B	CN515730(D) M. DURHAM 2-8-84	2-10-84	JD dlw



-0002 ASSY SHOWN

REV STATUS	REV	B	B
OF SHEETS	SH	1	2

QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	NOTES

PARTS LIST

2232589	8733
NEXT ASSY	USED ON
APPLICATION	

REV NO	IDENT	P-SPEC	NO	ADDITIONAL
	PROCESS		CLASSIFICATION	NOTES

PROCESSES — FOR CORRELATION TO GOVT/MIL SPECIFICATIONS, SEE TI DRAWING 7284S7

7-20-83
8-11-83
1-12-83

TEXAS INSTRUMENTS INCORPORATED
Digital Systems Group

SI-METRIC

ELECTRONIC SCHEMATIC DIAGRAM, ENCODER CIRCUIT

SIZE C | FSCM NO 06668 | DRAWING NO 2232593

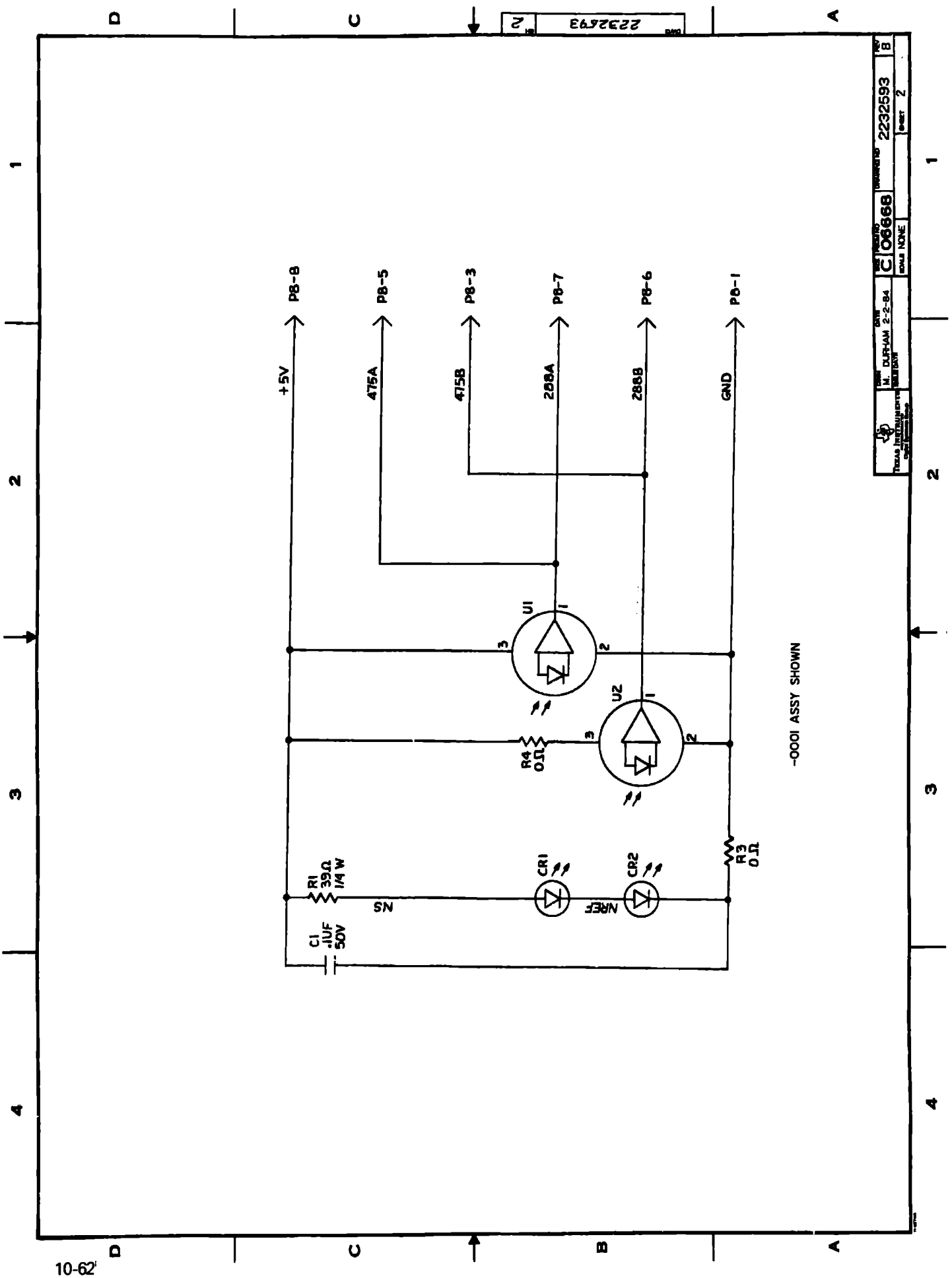
SCALE NONE | SHEET 1 OF 2

DRAWING 2232593

430

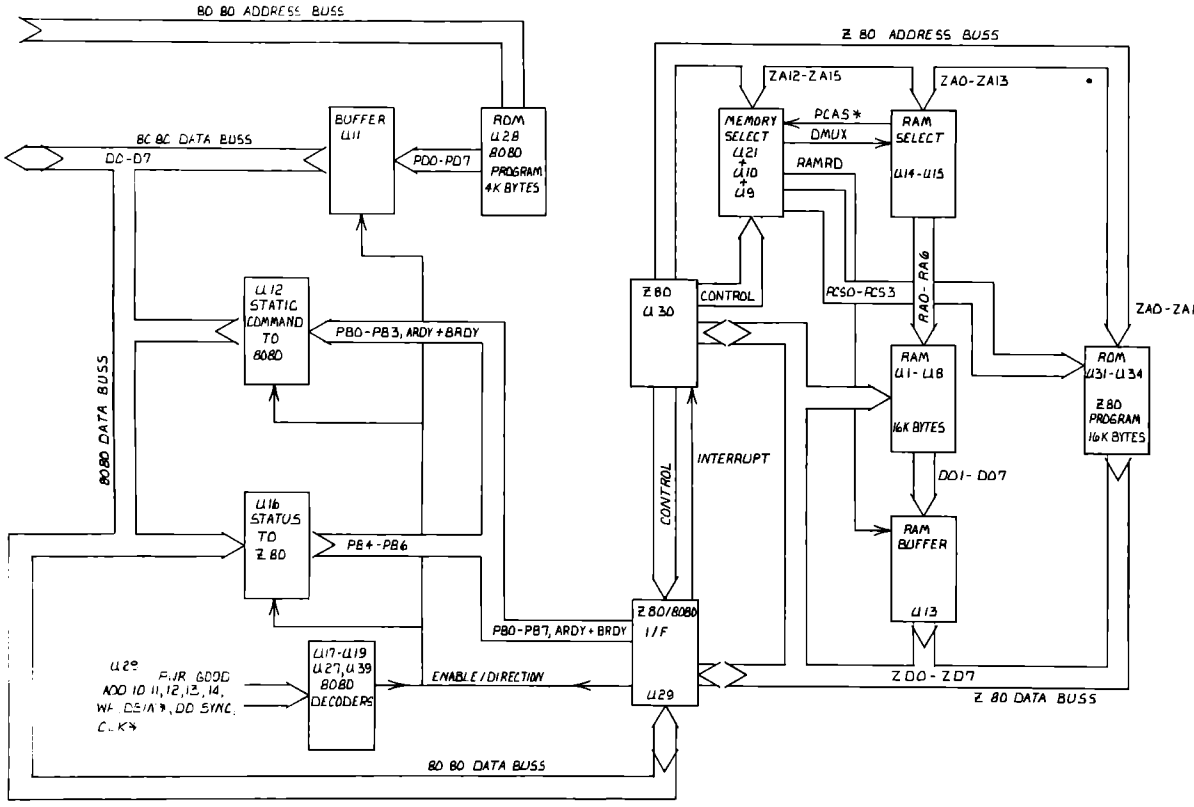
FILMED

10-61

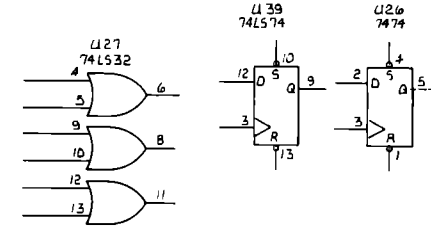

P8-8
P8-5
P8-3
P8-7
P8-6
P8-1
+5V
475A
475B
258A
288B
GND
U1
U2
R4
0Ω
R1
39Ω
1/4 W
CR1
CR2
R3
0Ω
C1
.1UF
50V
NS
NREF
-0001 ASSY SHOWN
2232693
2232593
C06666
M. DURHAM 2-2-84
NONE
B
2
D
C
B
A
1
2
3
4

NOTES: UNLESS OTHERWISE SPECIFIED:

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	CN491465(B) M Nielsen	9-9-82	
B	CN5062.04(C)	11-6-82	



SPARES



PARTS LIST					
-3 QTY	-2 QTY	-1 QTY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION / NOTES

2360095	8733				
NEXT ASSY	USED ON				
APPLICATION					

UNLESS OTHERWISE SPECIFIED:
- DIMENSIONS ARE IN MILLIMETERS
- TOLERANCES: 3 PLACE DECIMALS ± 0.25; 1 PLACE DECIMALS ± 0.5; ANGLES ± 1°
- INTERPRET DRAWING PER ANSI Y14.5M-1982
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRICITY MACHINED DIAMETERS Ø .25 FIM
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCE

0.33 THRU 3.18	+0.10-0.03
3.30 THRU 9.38	+0.13-0.03
9.39 THRU 12.70	+0.15-0.03
12.73 THRU 19.05	+0.20-0.03
19.08 THRU 25.40	+0.25-0.03
25.43 THRU 50.80	+0.30-0.03

THIRD ANGLE PROJECTION

DRAWN	A.J.P.	4-12-82
CHK		5-28-82
ENGR		6-1-82
MFG		6-1-82
QA		6-1-82
PROJ ENGR		6/1/82
MGR		6/3/82

TEXAS INSTRUMENTS INCORPORATED — SI-METRIC

DIAGRAM, LOGIC, LETTER QUALITY PRINTER-810

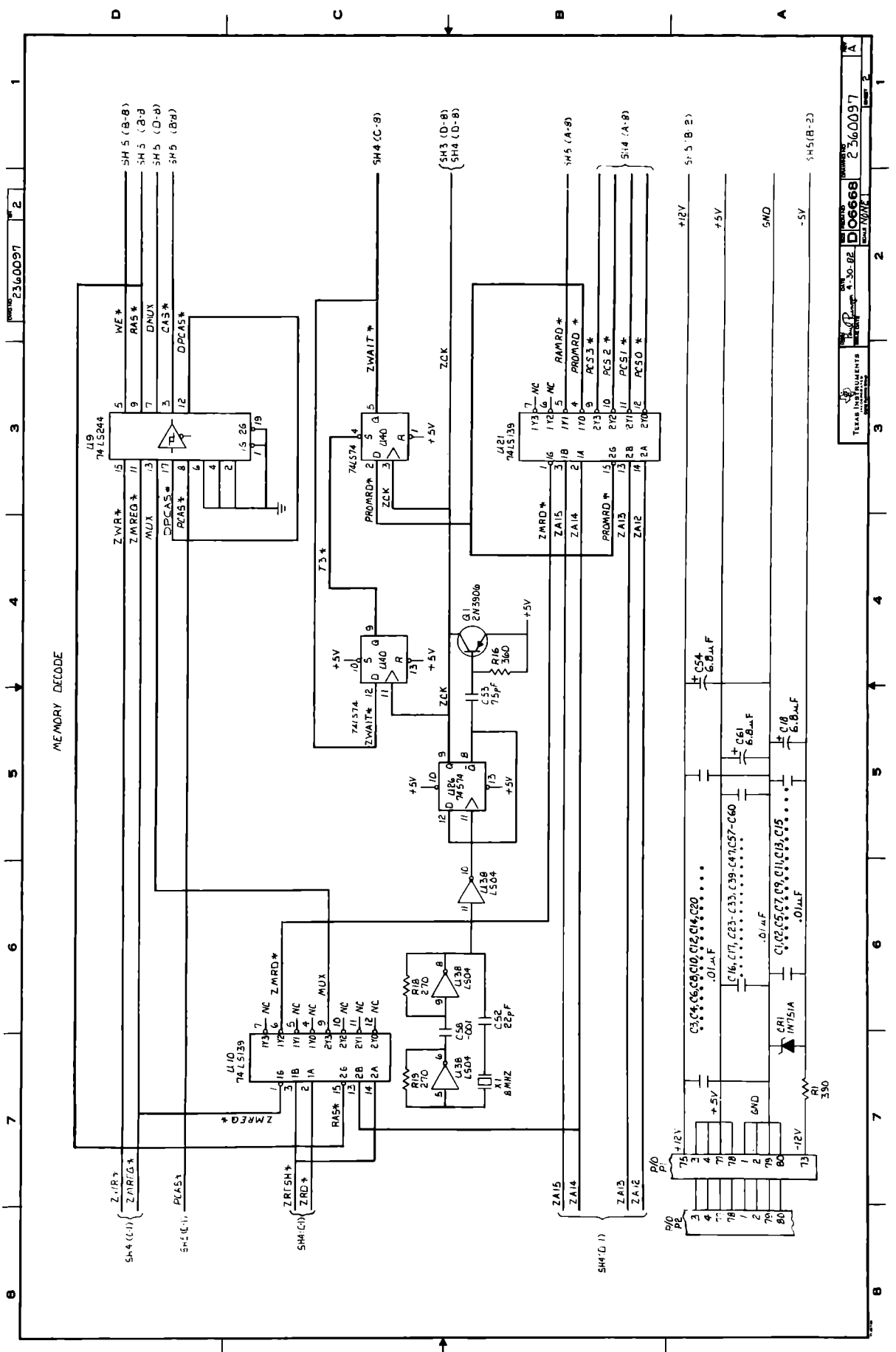
REV	PROJECT NO	DRAWING NO
D	06668	2360097

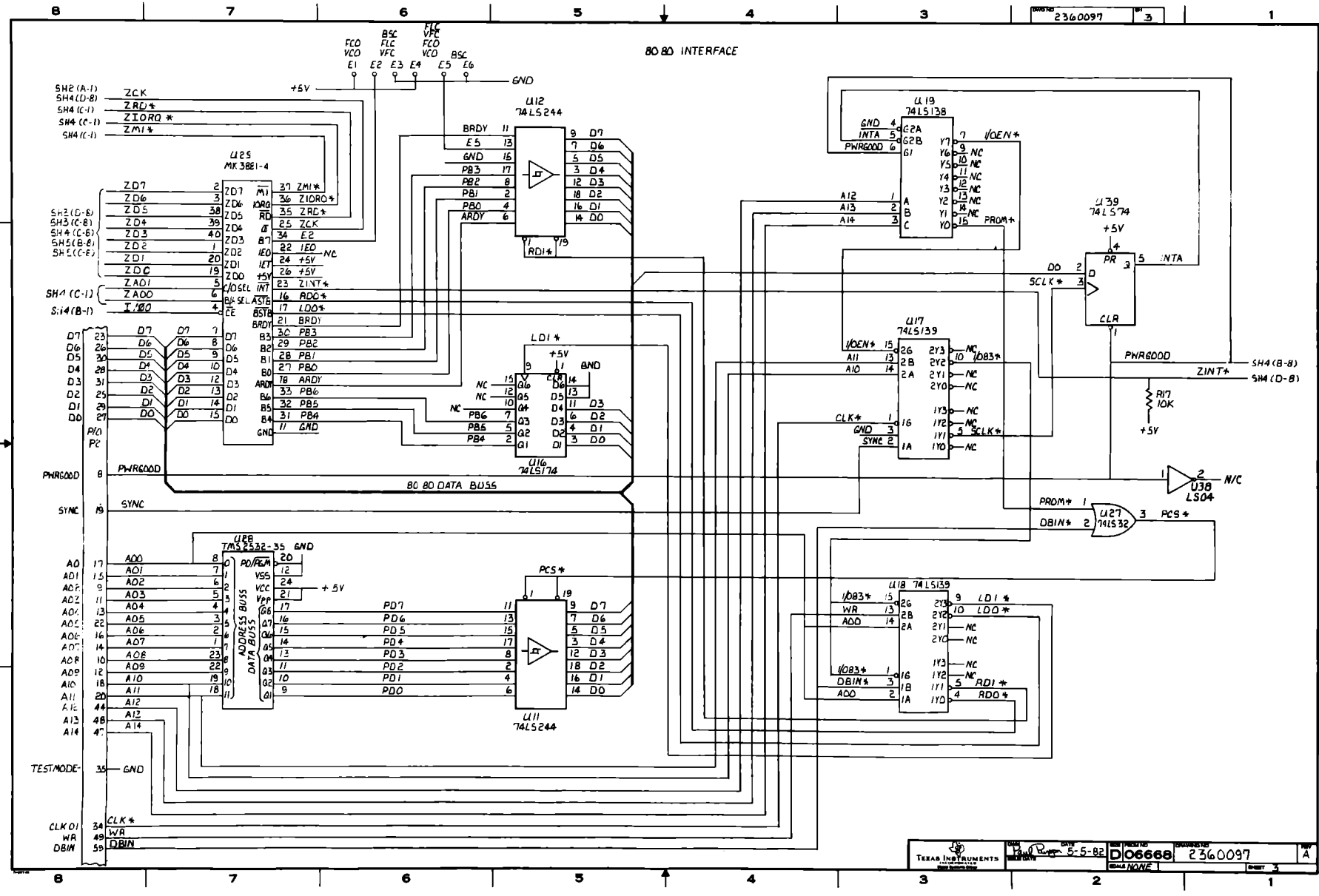
SCALE NONE — SHEET 1 of 5

SEQ NO	IDENT	F-SPEC	NO	ADDITIONAL	NOTES
	PROCESS		CLASSIFICATION		

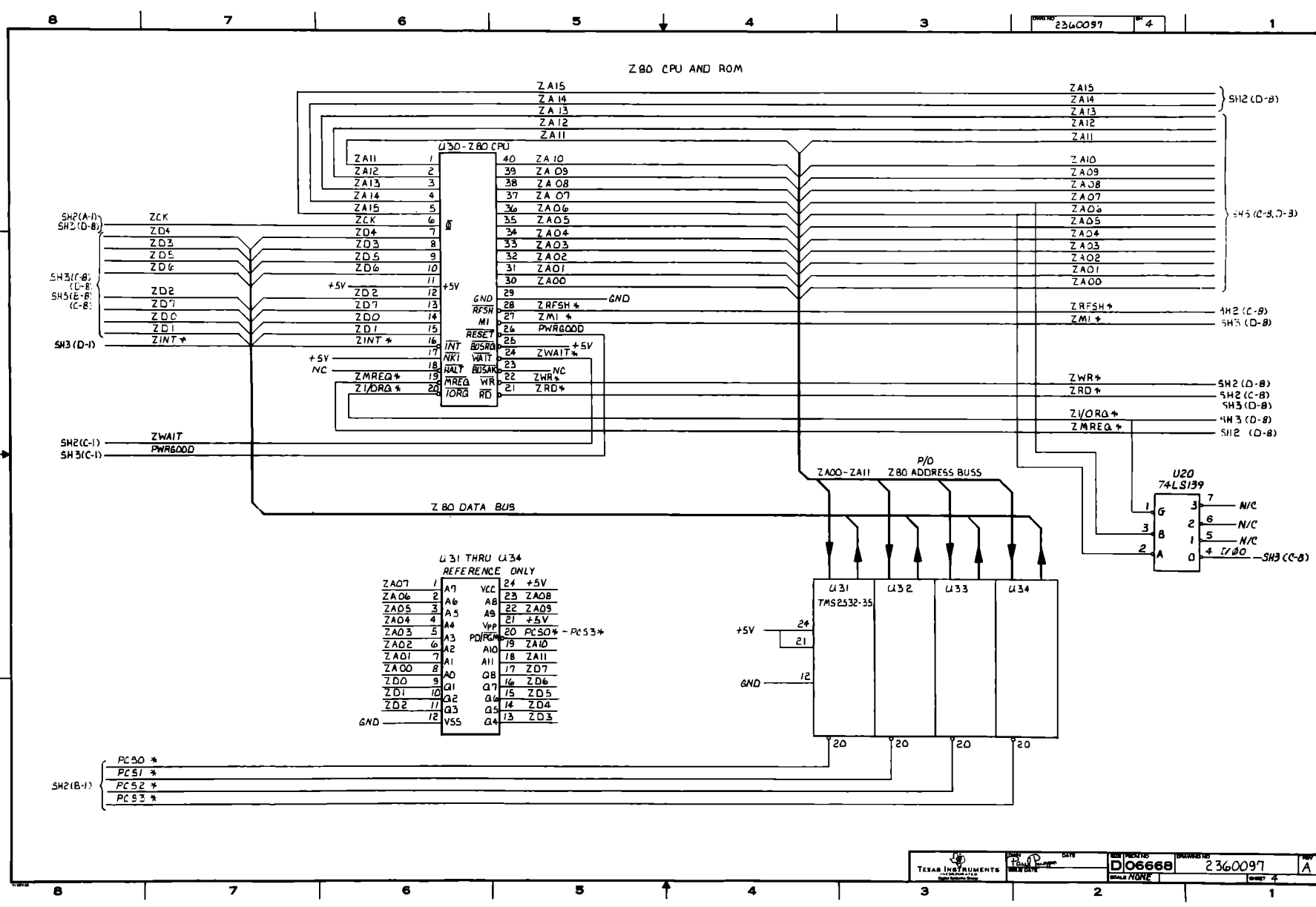
PROCESSES — FOR CORRELATION TO GOVT AND SPECIFICATIONS, SEE TI DRAWING 7281457

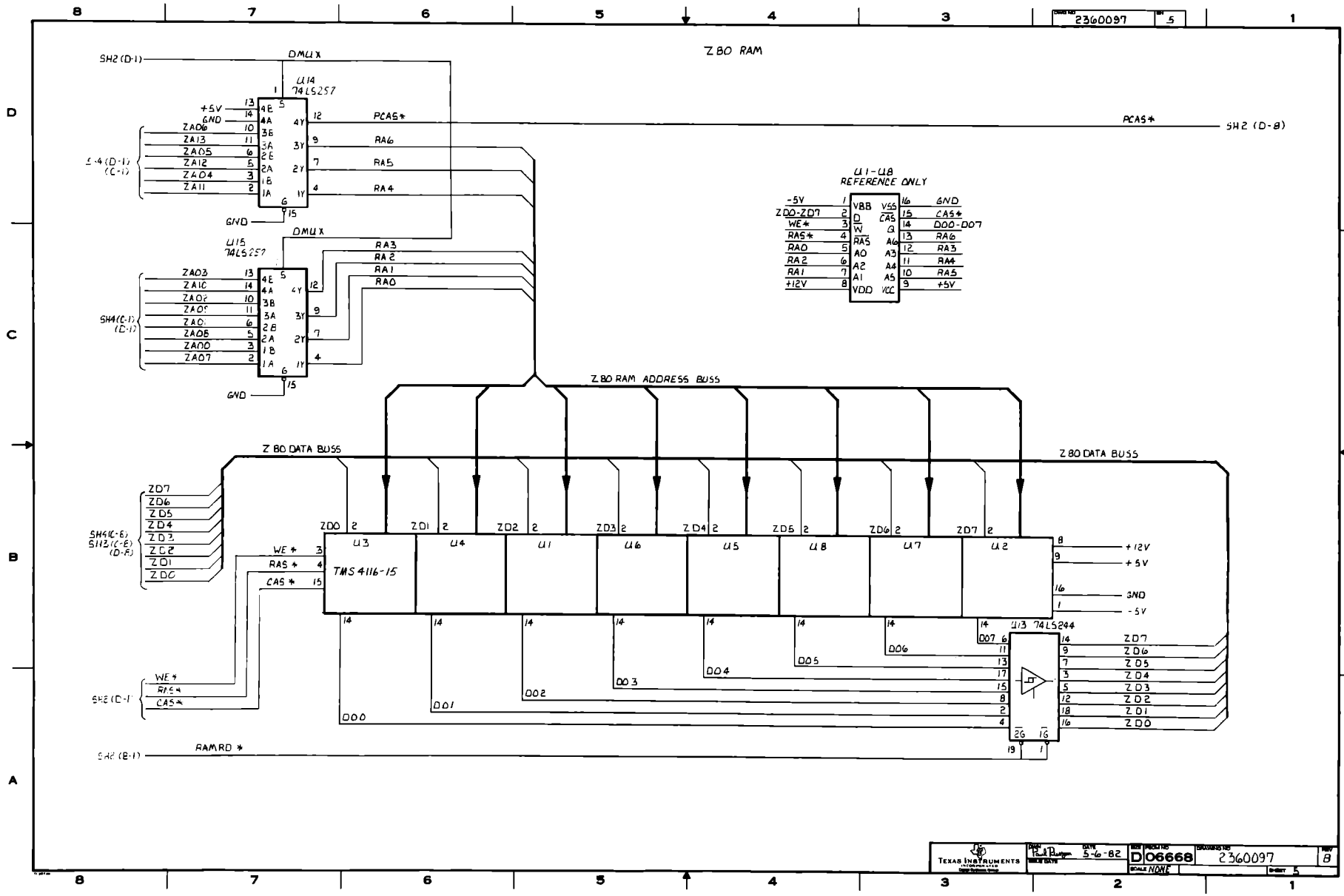
REV STATUS OF SHEETS	REV	B	A	A	A	B
	SH	1	2	3	4	5


MEMORY DECODE
2360097
D0668
4-30-82
NONE
U19 74LS244
U121 74LS139
U110 74LS139
U126 74S74
U40
U138 LS04
Q1 2N3906
ZWR*
ZMREQ*
MUX
DMUX
WE*
RAS*
CAS*
DPCAS*
PCAS*
ZWAIT*
ZCK
ZMRD*
ZRD*
ZRFSH*
RAMRD*
PROMRD*
PCS3*
PCS2*
PCS1*
PCS0*
ZA15
ZA14
ZA13
ZA12
+12V
+5V
GND
-5V
-12V
C1,C2,C5,C7,C9,C11,C13,C15 .01µF
C3,C4,C6,C8,C10,C12,C14,C20 .01µF
C16,C17,C23-C33,C39-C47,C57-C60 .01µF
C18 6.8µF
C61 6.8µF
C54 6.8µF
C53 15pF
C52 22pF
C58 .001
X1 8MHZ
R16 360
R17 390
R18 270
R19 270
CR1 1N751A


8080 INTERFACE
8080 DATA BUSS
U12 74LS244
U11 74LS244
U16 74LS174
U17 74LS139
U18 74LS139
U19 74LS138
U39 74LS74
U38 LS04
U27 74LS32
U28 TMS2532-35
U25 MK3881-4
PWRGOOD
SYNC
PCS*
LD1*
LD0*
RD1*
RD0*
WR
DBIN
ZINT*
INTA
SCLK*
R17 10K
+5V
GND
N/C
TESTMODE-
CLK01
ADDRESS BUSS
DATA BUSS

10-65


Z80 CPU AND ROM
U30-Z80 CPU
U31 THRU U34
REFERENCE ONLY
Z80 DATA BUS
P/O
Z80 ADDRESS BUSS
U20
74LS139
U31
TMS2532-35
U32
U33
U34
TEXAS INSTRUMENTS
D06668
2360097
NONE


Z80 RAM
DMUX
U14 74LS257
U15 74LS257
+5V
GND
ZA06
ZA13
ZA05
ZA12
ZA04
ZA11
ZA03
ZA10
ZA02
ZA09
ZA01
ZA08
ZA00
ZA07
SH2(D-1)
SH4(C-1) (D-1)
PCAS*
RA6
RA5
RA4
RA3
RA2
RA1
RA0
PCAS*
SH2 (D-8)
U1-U8 REFERENCE ONLY
-5V
ZDO-ZD7
WE*
RAS*
RAO
RA2
RA1
+12V
VBB
D
W
RAS
AO
A2
A1
VDD
VSS
CAS
Q
A6
A3
A4
A5
VCC
GND
CAS*
DO0-DO7
RA6
RA3
RA4
RA5
+5V
Z80 RAM ADDRESS BUSS
Z80 DATA BUSS
Z80 DATA BUSS
ZD7
ZD6
ZD5
ZD4
ZD3
ZD2
ZD1
ZD0
SH4(C-6) SH2(C-6) (D-8)
WE*
RAS*
CAS*
SH2 (D-1)
U3
U4
U1
U6
U5
U8
U7
U2
TMS 4116-15
+12V
+5V
GND
-5V
U13 74LS244
DO7
DO6
DO5
DO4
DO3
DO2
DO1
DO0
2G
1G
RAMRD*
SH2 (B-1)
TEXAS INSTRUMENTS
5-6-82
D06668
2360097
B
SCALE NONE
SHEET 5

USER'S RESPONSE SHEET

Manual Title: Model 810 Printer Maintenance Manual, Vol. II, Rev. J

Part No. 994386-0002

Manual Date: May 1984 **Date of This Letter** _____

User's Name: _____ **Telephone:** _____

Company: _____ **Office/Department:** _____

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Location in Manual	Comment/Suggestion
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