

ACCESS NAMES TABLE

SOURCE ACCESS NAME= PPC2.P359.SRC.GREAD
OBJECT ACCESS NAME= PPC2.P359.OBJ.GREADS
LISTING ACCESS NAME= PPC2.P359.LST.GREADS
ERROR ACCESS NAME=
OPTIONS= XREF
MACRO LIBRARY PATHNAME=

LINE	KEY	NAME
0002	A	VERSION =>PPC2.P359.SRC.P359

0032
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IDT 'EREAD'

```
*****  
*  
*          EEEEE   RRRR   EEEEE   A   DDDDD   *  
0036      E       R  R   E       A  A   D   D   *  
0037      E       R  R   E       A  A   D   D   *  
0038      EEE     RRRR   EEE     AAAAA  D   D   *  
0039      E       R  R   E       A  A   D   D   *  
0040      E       R  R   E       A  A   D   D   *  
0041      EEEEE   R    R   EEEEE   A   A   DDDDD *  
0042      *  
0043          PPPP     3333     55555     99999 *  
0044      P  P       3    3     5         9    9 *  
0045      P  P       3    3     5         9    9 *  
0046      PPPP     3333     55555     99999 *  
0047      P         3         5         9 *  
0048      P         3    3     5    5     9    9 *  
0049      P         3333     5555     9999 *  
0050      *  
*****
```

```
0056          DEF  GREAD, GREAD1
0057 0000
0058          REF  VRAM, GRAM, ADDR1, GSRC, ADDR2, BCNT1, BCNT3, DEST
0059 0000
0060          *   Read data from ERAM
0061          *   @GSRC : Source address on ERAM
0062          *   @DEST : Destination address in CPU
0063          *           Where the data stored after read from ERAM
0064          *   @BCNT3: byte count
0065 0000 0203  GREAD1 LI  R3, BCNT3          # of bytes to move
           0002 0000
0066 0004 0202          LI  R2, GSRC          Source in ERAM
           0006 0000
0067 0008 0201          LI  R1, DEST          Dest in CPU
           000A 0000
0068 000C 1006          JMP  GR#1           Jump to common routine
0069 000E
0070          *   Read data from ERAM to CPU
0071          *   @ADDR1: Source address on ERAM
0072          *   @ADDR2: Destination address in CPU
0073          *           Where the data stored after read from ERAM
0074          *   @BCNT1: byte count
0075 000E 0203  GREAD  LI  R3, BCNT1          # of bytes to move
           0010 0000
0076 0012 0202          LI  R2, ADDR1          Source in ERAM
           0014 0000
0077 0016 0201          LI  R1, ADDR2          Dest in CPU
           0018 0000
0078 001A
0079          *           Common ERAM to CPU transfer routine
0080 001A C112  GR#1  MOV  *R2, R4
0081          *-----CONDITIONAL ASSEMBLY-----*
0082          ASMIF VERS=DX10
0083          AI  R4, GRAM
0084          ASMEND
0085          *-----END OF CONDITIONAL ASSEMBLY-----*
0086 001C DC74  GR#2  MOVB *R4+, *R1+          Move byte from ERAM to CPU
0087 001E 0613          DEC  *R3           One less to move- done?
0088 0020 16FD          JNE  GR#2           No - copy the rest
0089 0022 045B          RT
0090          END
NO ERRORS,          NO WARNINGS
```

ERREAD LABEL		VALUE	DEFN	REFERENCES		
ADDR1	R	0014'	0058	0076		
ADDR2	R	0018'	0058	0077		
BCNT1	R	0010'	0058	0075		
BCNT3	R	0002'	0058	0065		
DEST	R	000A'	0058	0067		
DX10		0001	0003	0004	0082	
GR#1		001A'	0080	0068		
GR#2		001C'	0086	0088		
GRAM	R		0058			
GREAD	D	000E'	0075	0056		
GREAD1	D	0000'	0065	0056		
GSRC	R	0006'	0058	0066		
P359		0000	0003	0003		
R1		0001		0067	0077	0086
R2		0002		0066	0076	0080
R3		0003		0065	0075	0087
R4		0004		0080	0086	
VERMAC	M		A0001	0003		
VERS		0000	0003	0004	0082	
VRAM	R		0058			