

ACCESS NAMES TABLE

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

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

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```
          IDT 'GETPUT'  
*****  
*          *          *          *          *          *          *          *          *  
*   GGGG   EEEEE   TTTTTT   PPPPP   U   U   TTTTTT *  
*   G      E       T       P   P   U   U   T       *  
*   G      E       T       P   P   U   U   T       *  
*   G   GG   EEE    T       PPPPP   U   U   T       *  
*   G   G   E       T       P       U   U   T       *  
*   G   G   E       T       P       U   U   T       *  
*   GGGG   EEEEE   T       P       UUUU   T       *  
*          *          *          *          *          *          *          *  
*          PPPP    3333    555555    9999 *  
*          P   P    3     3     5       9     9 *  
*          P   P    3     3     5       9     9 *  
*          PPPP    3333    55555    99999 *  
*          P       3     3     5     5     9     9 *  
*          P       3     3     5     5     9     9 *  
*          P       3333    5555    9999 *  
*          *          *          *          *          *          *  
*****
```

```
0055      * GET,GET1      : Get two bytes of data from VDP
0056      *
0057      *              R3 : address in VDP
0058      * PUT1         : Put two bytes of data into VDP
0059      *              R4 : address on VDP
0060      *              R1 : data
0061      * GETG,GETG2   : Get two bytes of data from ERAM
0062      *              R3 : address on ERAM
0063      *              R1 : where the two byte data stored
0064      * PUTG2        : Put two bytes of data into ERAM
0065      *              R4 : address on ERAM
0066      *              R1 : data
0067      * PUTVG1      : Put one byte of data into ERAM
0068      *              R4 : address in ERAM
0069      *              R1 : data
0070      DEF GETG,GETG2,PUTG2
0071      DEF GET,GET1,PUT1
0072 0000
0073      REF GRAM,R1LB,R3LB,R4LB,VRAM
0074      REF VDPRD,WRVDP,VDPWD
```

```
0077 *
0078 * GET TWO BYTES FROM RAM(R3) INTO R1
0079 *
0080 0000 C0FB GET MOV *R11+,R3
0081 0002 C0D3 MOV *R3,R3
0082 *-----CONDITIONAL ASSEMBLY-----*
0083 ASMIF VERS=DX10
0084 GET1 MOV R3,R14
0085 AI R14,VRAM
0086 MOVB *R14+,R1
0087 MOVB *R14+,@R1LB
0088
0089 ASMELS
0090 0004
0091 0004 D7E0 GET1 MOVB @R3LB,*R15
0092 0006 0000
0093 0008 D7C3 MOVB R3,*R15
0094 000A 1000 NOP
0095 000C D060 MOVB @VDPRD,R1
0096 000E 0000
0097 0010 D820 MOVB @VDPRD,@R1LB
0098 0012 000E
0099 0014 0000
0100
0101 ASMEND
0102 *-----END OF CONDITIONAL ASSEMBLY-----*
0103 RT
0104 *
0105 * PUT TWO BYTES FROM R1 TO RAM(R4)
0106 *
0107 *-----CONDITIONAL ASSEMBLY-----*
0108 ASMIF VERS=DX10
0109 PUT1 MOV R4,R14
0110 AI R14,VRAM
0111 MOVB R1,*R14+
0112 MOVB @R1LB,*R14+
0113
0114 ASMELS
0115 0018
0116 0018 D7E0 PUT1 MOVB @R4LB,*R15
0117 001A 0000
0118 001C 0264 ORI R4,WRVDP
0119 001E 0000
0120 0020 D7C4 MOVB R4,*R15
0121 0022 1000 NOP
0122 0024 D801 MOVB R1,@VDPWD
0123 0026 0000
0124 0028 D820 MOVB @R1LB,@VDPWD
0125 002A 0014
0126 002C 0026
0127
0128 ASMEND
0129 002E
0130 002E 045B RT
```

```
0122 *
0123 * GET 2 BYTES FROM ERAM(R3) TO R1
0124 *
0125 0030 COFB GETG MOV *R11+,R3
0126 0032 COD3 MOV *R3,R3
0127 0034 GETG2
0128 *-----CONDITIONAL ASSEMBLY-----
0129 ASMIF VERS=DX10
0130 MOV R3,R14
0131 AI R14,GRAM
0132 MOVB *R14+,R1
0133 MOVB *R14+,@R1LB
0134
0135 ASMELS
0136 0034
0137 0034 D073 MOVB *R3+,R1
0138 0036 D813 MOVB *R3,@R1LB
0139 003A 0603 DEC R3 Preserve R3
0140 ASMEND
0141 *-----END OF CONDITIONAL ASSEMBLY-----
0142 003C 045B RT
0143 *
0144 * PUT TWO BYTES FROM R1 TO ERAM(R4)
0145 *
0146 003E PUTG2
0147 *-----CONDITIONAL ASSEMBLY-----
0148 ASMIF VERS=DX10
0149 MOV R4,R14
0150 AI R14,GRAM
0151 MOVB R1,*R14+
0152 MOVB @R1LB,*R14+
0153
0154 ASMELS
0155 003E
0156 003E DD01 MOVB R1,*R4+
0157 0040 D520 MOVB @R1LB,*R4
0158 0044 0604 DEC R4 Preserve R4
0159 ASMEND
0160 *-----END OF CONDITIONAL ASSEMBLY-----
0161 0046 045B RT
0162 END
NO ERRORS, NO WARNINGS
```

