```
                                IDENT    POFADI                                    ASM 5T
                        *TEST POWER FAILURE/DISC X1215/P855 + DMA COMBINATION
                        *REV. 1. 75/11/18
                        *
                        *INTIALIZE THE WRITE BUFFER:
          0200          STACK    EQU      /200                 INTERRUPTS
                                AORG     /300
  0300    20BF          START    INH
  0302    0700                   LDK      A7,0
  0304    4700                   WIM      A7                   CLEAR THE MASKS
  0306    86A0                   LDKL     A14,/1000            END OF BUFFER
  0308    1000
  030A    84A0                   LDKL     A12,/AAAA            WRITE  DATA
  030C    AAAA
  030E    85A0                   LDKL     A13,BUFFER
  0310    0E5C
  0312    84B7                   STR      A12,A13
  0314    95A0                   ADKL     A13,2
  0316    0002
  0318    ED9A                   CWR      A13,A14
  031A    5D0A                   RB(NP)   *-8
  031C    8120                   LDKL     A1,DISC
  031E    0400
  0320    8141                   ST       A1,/4A
  0322    004A
  0324    8120                   LDKL     A1,POFAIL
  0326    0500
  0328    8141                   ST       A1,/40
  032A    0040
  032C    87A0                   LDKL     A15,STACK
  032E    0200
  0330    84A0                   LDKL     A12,/4000            EXP. STATUS
  0332    4000
  0334    49C2                   SST      A1,2
  0336    5C04                   RB(NA)   *-2
  0338    E912                   CWR      A1,A12
  033A    5002                   RF(0)    *+4
  033C    207F                   HLT
                        *
  033E    0401          STRT1    LDK      A4,1                 WRITE
  0340    0500                   LDK      A5,0                 READ
  0342    2840          WRITE    ENB
  0344    0720                   LDK      A7,32                INITIALIZE SECTOR COUNTER
  0346    84A0                   LDKL     A12,0                EXP. STATUS
  0348    0000
```

```
00034  034A  82A0    MXW     LDKL    A10,/E5C        MX1,WRITE
       034C  0E5C
00035  034E  82C1            ST      A10,/88
       0350  0088
00036  0352  83A0            LDKL    A11,/1000       MX2
       0354  1000
00037  0356  83C1            ST      A11,/8A
       0358  008A
00038  035A  44C2            CIO     A4,1,2          WRITE ONE SECTOR
00039  035C  5002            RF(0)   *+4
00040  035E  207F            HLT
00041  0360  0301            LDK     A3,1            SET WITE FLAG
00042  0362  830C            LDR     A3,A3
00043  0364  5C04            RB(NZ)  *-2             WAIT FOR INTERRUPT
00044                *
00045  0366  1404            ADK     A4,4            NEXT SECTOR
00046  0368  1F01            SUK     A7,1            UPDATE SECTOR COUNT
00047  036A  5C22            RB(NZ)  MXW
00048  036C  0720            LDK     A7,32           INITIALIZE SECTOR COUNTER
00049  036E  82A0    MXR     LDKL    A10,/4E5C       MX1
       0370  4E5C
00050  0372  82C1            ST      A10,/88
       0374  0088
00051  0376  83A0            LDKL    A11,/2000
       0378  2000
00052  037A  83C1            ST      A11,/8A
       037C  008A
00053  037E  45C2            CIO     A5,1,2          READ ONE SECTOR
00054  0380  5002            RF(0)   *+4
00055  0382  207F            HLT
00056  0384  0302            LDK     A3,2            SET READ FLAG
00057  0386  830C            LDR     A3,A3
00058  0388  5C04            RB(4)   *-2             WAIT FOR INTERRUPT
00059                *
00060  038A  1504            ADK     A5,4            NEXT SECTOR
00061  038C  1F01            SUK     A7,1
00062  038E  5C22            RB(NZ)  MXR
00063  0390  8F20            ABL     STRT1
       0392  033E
00064                *
00065                         AORG    /400
00066  0400  49C2    DISC    SST     A1,2
00067  0402  E912            CWR     A1,A12
00068  0404  5002            RF(E)   *+4
00069  0406  207F            HLT
```

```
00070  0408  0300              LDK     A3,0
00071  040A  F03E              RTN     A15
00072                  *
00073                          AORG    /500
00074  0500  20EF      POFAIL  RIT     /17
00075  0502  8120              LDKL    A1,RESTAR
       0504  0520
00076  0506  8141              ST      A1,/40
       0508  0040
00077  050A  207F              HLT
00078                  *
00079                          AORG    /520
00080  0520  20EF      RESTAR  RIT     /17
00081  0522  8120              LDKL    A1,POFAIL
       0524  0500
00082  0526  8141              ST      A1,/40
       0528  0040
00083  052A  86A0              LDKL    A14,START
       052C  0300
00084  052E  86C1              ST      A14,STACK
       0530  0200
00085  0532  87A0              LDKL    A15,STACK-4
       0534  01FC
00086  0536  F03E              RTN     A15
00087                  *
00088                          AORG    /ESC
00089  0E5C            BUFFER  RES     1
00090                          END     START
```

SYMBOL TABLE

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BUFFER | 0E5C | A | DISC | 0400 | A | MXR | 036E | A | MXW | 034A | A |
| POFAIL | 0500 | A | RESTAR | 0520 | A | STACK | 0200 | A | START | 0300 | A |
| STRT1 | 033E | A | WRITE | 0342 | A | | | | | | |

ASS.ERR. 00000

:EOF

PROG ELAPSED TIME: 00H-00M-29S-980MS-