

ZIPPY TECHNOLOGY CORP  
10F, No. 50, MIN CHYUAN RD  
XINDIAN DIST., NEW TAIPEI CITY, TAIWAN, R.O.C.  
RELIABILITY PREDICTION STANDARD REPORT  
(Sorted by Part Number)  
MIL - HDBK - 217F, Notice 2

Date : SEP-26-2014      Time : 14:46:52  
End Item Title : DM1S SERIES MTBF  
End Item Part Number : DM1S-3501V (RoHS)  
DM1S-3501V (RoHS) MTBF : 160,122  
Module Title : ZIPPY TECHNOLOGY CORP  
Module Part Number : DM1S / MTBF  
Module Reference Designation : DM1S  
Environmental Condition : GB  
Ambient Temperature: 25°C

### DM1S-3501V (RoHS)

| ITEM<br># | Part<br>Number | Ref<br>Desig | Qual<br>Level | Quant | Individual<br>Failure Rate<br>(F/10 <sup>6</sup> Hrs) | Total<br>Failure Rate<br>(F/10 <sup>6</sup> Hrs) |
|-----------|----------------|--------------|---------------|-------|-------------------------------------------------------|--------------------------------------------------|
| 1         | B102330004     | BOM          | NMIL          | 1     | 0.069564                                              | 0.069564                                         |
| 2         | B103210004     | BOM          | NMIL          | 1     | 0.065162                                              | 0.065162                                         |
| 3         | B103730006     | BOM          | NMIL          | 1     | 0.080219                                              | 0.080219                                         |
| 4         | B104090002     | BOM          | NMIL          | 1     | 0.411835                                              | 0.411835                                         |
| 5         | B104090003     | BOM          | NMIL          | 1     | 0.132621                                              | 0.132621                                         |
| 6         | B104090004     | BOM          | NMIL          | 1     | 0.033705                                              | 0.033705                                         |
| 7         | B200000080     | BOM          | SPECIAL       | 2     | 0.094935                                              | 0.189870                                         |
| 8         | B200000144     | BOM          | SPECIAL       | 1     | 0.094935                                              | 0.094935                                         |
| 9         | B200000207     | BOM          | SPECIAL       | 1     | 0.094935                                              | 0.094935                                         |
| 10        | B200000257     | BOM          | SPECIAL       | 1     | 0.094935                                              | 0.094935                                         |
| 11        | B200000268     | BOM          | SPECIAL       | 1     | 0.094935                                              | 0.094935                                         |
| 12        | B200000308     | BOM          | SPECIAL       | 1     | 0.094935                                              | 0.094935                                         |
| 13        | B200000316     | BOM          | SPECIAL       | 1     | 0.094935                                              | 0.094935                                         |
| 14        | B200000377     | BOM          | SPECIAL       | 1     | 0.094935                                              | 0.094935                                         |
| 15        | B200000443     | BOM          | SPECIAL       | 1     | 0.094935                                              | 0.094935                                         |
| 16        | B200010009     | BOM          | NMIL          | 1     | 0.000798                                              | 0.000798                                         |
| 17        | B200010022     | BOM          | NMIL          | 1     | 0.000798                                              | 0.000798                                         |
| 18        | B200010056     | BOM          | NMIL          | 5     | 0.000798                                              | 0.003990                                         |
| 19        | B200010080     | BOM          | NMIL          | 2     | 0.031398                                              | 0.062796                                         |
| 20        | B200010153     | BOM          | NMIL          | 2     | 0.031398                                              | 0.062796                                         |
| 21        | B200010161     | BOM          | NMIL          | 2     | 0.031398                                              | 0.062796                                         |
| 22        | B200010162     | BOM          | NMIL          | 1     | 0.031398                                              | 0.031398                                         |
| 23        | B200010192     | BOM          | NMIL          | 2     | 0.000798                                              | 0.001596                                         |
| 24        | B200020024     | BOM          | NMIL          | 16    | 0.005156                                              | 0.082496                                         |

ZIPPY TECHNOLOGY CORP  
10F, No.50, MIN CHYUAN RD  
XINDIAN DIST., NEW TAIPEI CITY, TAIWAN, R.O.C.

|    |            |     |      |    |          |          |
|----|------------|-----|------|----|----------|----------|
| 25 | B200030069 | BOM | NMIL | 4  | 0.007617 | 0.030468 |
| 26 | B200030081 | BOM | NMIL | 1  | 0.003446 | 0.003446 |
| 27 | B200040012 | BOM | NMIL | 1  | 0.005967 | 0.005967 |
| 28 | B200040063 | BOM | NMIL | 1  | 0.016111 | 0.016111 |
| 29 | B200040084 | BOM | NMIL | 1  | 0.016111 | 0.016111 |
| 30 | B200040117 | BOM | NMIL | 1  | 0.005967 | 0.005967 |
| 31 | B200050024 | BOM | NMIL | 1  | 0.005218 | 0.005218 |
| 32 | B200050027 | BOM | NMIL | 2  | 0.005218 | 0.010436 |
| 33 | B200050036 | BOM | NMIL | 4  | 0.005218 | 0.020872 |
| 34 | B200050039 | BOM | NMIL | 1  | 0.005218 | 0.005218 |
| 35 | B200090005 | BOM | NMIL | 1  | 0.001518 | 0.001518 |
| 36 | B200110001 | BOM | NMIL | 1  | 0.004650 | 0.004650 |
| 37 | B200110042 | BOM | NMIL | 7  | 0.004650 | 0.032550 |
| 38 | B200110046 | BOM | NMIL | 8  | 0.004650 | 0.037200 |
| 39 | B200110073 | BOM | NMIL | 2  | 0.005115 | 0.010230 |
| 40 | B200110120 | BOM | NMIL | 15 | 0.004650 | 0.069750 |
| 41 | B200110123 | BOM | NMIL | 6  | 0.004650 | 0.027900 |
| 42 | B200110172 | BOM | NMIL | 3  | 0.004650 | 0.013950 |
| 43 | B200110190 | BOM | NMIL | 1  | 0.004650 | 0.004650 |
| 44 | B200110192 | BOM | NMIL | 3  | 0.004650 | 0.013950 |
| 45 | B200110202 | BOM | NMIL | 1  | 0.004650 | 0.004650 |
| 46 | B200110227 | BOM | NMIL | 2  | 0.004650 | 0.009300 |
| 47 | B200110276 | BOM | NMIL | 1  | 0.004650 | 0.004650 |
| 48 | B200110279 | BOM | NMIL | 3  | 0.004650 | 0.013950 |
| 49 | B200110343 | BOM | NMIL | 1  | 0.004650 | 0.004650 |
| 50 | B200110379 | BOM | NMIL | 1  | 0.004650 | 0.004650 |
| 51 | B200110488 | BOM | NMIL | 1  | 0.004650 | 0.004650 |
| 52 | B200110493 | BOM | NMIL | 1  | 0.005115 | 0.005115 |
| 53 | B200110494 | BOM | NMIL | 2  | 0.004650 | 0.009300 |
| 54 | B200110498 | BOM | NMIL | 1  | 0.004650 | 0.004650 |
| 55 | B200110501 | BOM | NMIL | 1  | 0.004650 | 0.004650 |
| 56 | B200110503 | BOM | NMIL | 1  | 0.005115 | 0.005115 |
| 57 | B200110505 | BOM | NMIL | 1  | 0.004650 | 0.004650 |
| 58 | B200110506 | BOM | NMIL | 1  | 0.004650 | 0.004650 |
| 59 | B200110508 | BOM | NMIL | 4  | 0.004650 | 0.018600 |
| 60 | B200110510 | BOM | NMIL | 1  | 0.004650 | 0.004650 |
| 61 | B200110519 | BOM | NMIL | 2  | 0.004650 | 0.009300 |
| 62 | B200110523 | BOM | NMIL | 1  | 0.004650 | 0.004650 |
| 63 | B200110525 | BOM | NMIL | 1  | 0.004650 | 0.004650 |
| 64 | B200110530 | BOM | NMIL | 1  | 0.004650 | 0.004650 |
| 65 | B200110545 | BOM | NMIL | 1  | 0.004650 | 0.004650 |
| 66 | B200110550 | BOM | NMIL | 1  | 0.004650 | 0.004650 |
| 67 | B200110551 | BOM | NMIL | 1  | 0.004650 | 0.004650 |
| 68 | B200110554 | BOM | NMIL | 4  | 0.004650 | 0.018600 |

ZIPPY TECHNOLOGY CORP  
10F, No.50, MIN CHYUAN RD  
XINDIAN DIST., NEW TAIPEI CITY, TAIWAN, R.O.C.

|     |            |     |      |   |          |          |
|-----|------------|-----|------|---|----------|----------|
| 69  | B200110560 | BOM | NMIL | 1 | 0.004650 | 0.004650 |
| 70  | B200110561 | BOM | NMIL | 5 | 0.004650 | 0.023250 |
| 71  | B200110571 | BOM | NMIL | 1 | 0.004650 | 0.004650 |
| 72  | B200110584 | BOM | NMIL | 2 | 0.004650 | 0.009300 |
| 73  | B200110588 | BOM | NMIL | 1 | 0.004650 | 0.004650 |
| 74  | B200110590 | BOM | NMIL | 1 | 0.005115 | 0.005115 |
| 75  | B200110594 | BOM | NMIL | 1 | 0.004650 | 0.004650 |
| 76  | B200110613 | BOM | NMIL | 1 | 0.004650 | 0.004650 |
| 77  | B200110640 | BOM | NMIL | 1 | 0.004650 | 0.004650 |
| 78  | B200110658 | BOM | NMIL | 2 | 0.004650 | 0.009300 |
| 79  | B200120011 | BOM | NMIL | 1 | 0.007735 | 0.007735 |
| 80  | B200120017 | BOM | NMIL | 1 | 0.009576 | 0.009576 |
| 81  | B200120032 | BOM | NMIL | 1 | 0.006870 | 0.006870 |
| 82  | B200120101 | BOM | NMIL | 1 | 0.006105 | 0.006105 |
| 83  | B200120174 | BOM | NMIL | 1 | 0.004820 | 0.004820 |
| 84  | B200160017 | BOM | NMIL | 1 | 0.065000 | 0.065000 |
| 85  | B200160034 | BOM | NMIL | 1 | 0.065000 | 0.065000 |
| 86  | B200170020 | BOM | NMIL | 2 | 0.004875 | 0.009750 |
| 87  | B200170029 | BOM | NMIL | 1 | 0.004875 | 0.004875 |
| 88  | B200170033 | BOM | NMIL | 2 | 0.004875 | 0.009750 |
| 89  | B200200021 | BOM | N/A  | 4 | 0.015274 | 0.061096 |
| 90  | B200200054 | BOM | N/A  | 2 | 0.014056 | 0.028112 |
| 91  | B200200061 | BOM | N/A  | 4 | 0.008470 | 0.033880 |
| 92  | B200200071 | BOM | N/A  | 1 | 0.006048 | 0.006048 |
| 93  | B200200083 | BOM | N/A  | 3 | 0.007144 | 0.021432 |
| 94  | B200200101 | BOM | N/A  | 1 | 0.016657 | 0.016657 |
| 95  | B200200153 | BOM | N/A  | 4 | 0.009203 | 0.036812 |
| 96  | B200200156 | BOM | N/A  | 4 | 0.011856 | 0.047424 |
| 97  | B200200158 | BOM | N/A  | 2 | 0.007791 | 0.015582 |
| 98  | B200200166 | BOM | N/A  | 1 | 0.012930 | 0.012930 |
| 99  | B200210007 | BOM | N/A  | 2 | 0.021805 | 0.043610 |
| 100 | B200220018 | BOM | N/A  | 2 | 0.012681 | 0.025362 |
| 101 | B200220021 | BOM | N/A  | 1 | 0.002337 | 0.002337 |
| 102 | B200220036 | BOM | N/A  | 2 | 0.013891 | 0.027782 |
| 103 | B200220048 | BOM | N/A  | 1 | 0.013891 | 0.013891 |
| 104 | B200230057 | BOM | N/A  | 1 | 0.031594 | 0.031594 |
| 105 | B200230198 | BOM | N/A  | 5 | 0.058210 | 0.291050 |
| 106 | B200230210 | BOM | N/A  | 2 | 0.050508 | 0.101016 |
| 107 | B200230236 | BOM | N/A  | 1 | 0.016788 | 0.016788 |
| 108 | B200230276 | BOM | N/A  | 2 | 0.027414 | 0.054828 |
| 109 | B200230277 | BOM | N/A  | 1 | 0.041493 | 0.041493 |
| 110 | B200230338 | BOM | N/A  | 2 | 0.029130 | 0.058260 |
| 111 | B200230377 | BOM | N/A  | 2 | 0.028585 | 0.057170 |

ZIPPY TECHNOLOGY CORP  
10F, No.50, MIN CHYUAN RD  
XINDIAN DIST., NEW TAIPEI CITY, TAIWAN, R.O.C.

|     |            |     |          |   |          |          |
|-----|------------|-----|----------|---|----------|----------|
| 112 | B200230379 | BOM | N/A      | 4 | 0.036547 | 0.146188 |
| 113 | B200250009 | BOM | NMIL     | 1 | 0.023160 | 0.023160 |
| 114 | B200260265 | BOM | NMIL     | 1 | 0.027440 | 0.027440 |
| 115 | B200260271 | BOM | NMIL     | 1 | 0.027440 | 0.027440 |
| 116 | B200260325 | BOM | NMIL     | 1 | 0.027440 | 0.027440 |
| 117 | B200300219 | BOM | NMIL     | 1 | 0.003845 | 0.003845 |
| 118 | B200300236 | BOM | NMIL     | 1 | 0.003845 | 0.003845 |
| 119 | B200300298 | BOM | NMIL     | 1 | 0.026144 | 0.026144 |
| 120 | B200300345 | BOM | NMIL     | 1 | 0.003845 | 0.003845 |
| 121 | B210090117 | BOM | KNOWNFR  | 1 | 2.068077 | 2.068077 |
| 122 | B210160052 | BOM | N/A      | 1 | 0.010000 | 0.010000 |
| 123 | B210191466 | N/A | STANDARD | 1 | 0.016567 | 0.016567 |

|                                                |                |
|------------------------------------------------|----------------|
| Total Failure Rate (F/10 <sup>6</sup> Hrs) :   | 6.245253       |
| Mean Time (in hours) Between Failures (MTBF) : | <b>160,122</b> |