

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

Date : NOV-13-2017      Time : 13:24:42  
End Item Title : DZRP SERIES MTBF  
End Item Part Number : DZRP-2600V2(RoHS)(PMBus NP1.2)  
DZRP-2600V2(RoHS)(PMBus NP1.2) MTBF : 196,328  
Module Title : ZIPPY TECHNOLOGY CORP  
Module Part Number : DZRP / MTBF  
Module Reference Designation : DZRP  
Environmental Condition : GB  
Ambient Temperature: 25°C

DZRP-2600V2(RoHS)(PMBus NP1.2)

| 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         | B103210004     | BOM          | SPECIAL       | 1     | 0.075116                                              | 0.075116                                         |
| 2         | B105970002     | BOM          | SPECIAL       | 1     | 0.135797                                              | 0.135797                                         |
| 3         | B105970003     | BOM          | SPECIAL       | 1     | 0.216597                                              | 0.216597                                         |
| 4         | B105970004     | BOM          | SPECIAL       | 1     | 0.146804                                              | 0.146804                                         |
| 5         | B105970006     | BOM          | SPECIAL       | 1     | 0.243978                                              | 0.243978                                         |
| 6         | B105970007     | BOM          | SPECIAL       | 1     | 0.047835                                              | 0.047835                                         |
| 7         | B106080003     | BOM          | SPECIAL       | 1     | 0.104791                                              | 0.104791                                         |
| 8         | B200000066     | BOM          | NMIL          | 1     | 0.006152                                              | 0.006152                                         |
| 9         | B200000144     | BOM          | NMIL          | 1     | 0.004901                                              | 0.004901                                         |
| 10        | B200000296     | BOM          | NMIL          | 1     | 0.005248                                              | 0.005248                                         |
| 11        | B200000308     | BOM          | NMIL          | 4     | 0.013289                                              | 0.053156                                         |
| 12        | B200000357     | BOM          | NMIL          | 1     | 0.013289                                              | 0.013289                                         |
| 13        | B200000364     | BOM          | NMIL          | 1     | 0.020588                                              | 0.020588                                         |
| 14        | B200000377     | BOM          | NMIL          | 1     | 0.006368                                              | 0.006368                                         |
| 15        | B200000565     | BOM          | NMIL          | 1     | 0.007379                                              | 0.007379                                         |
| 16        | B200000603     | BOM          | NMIL          | 2     | 0.005248                                              | 0.010496                                         |
| 17        | B200000612     | BOM          | NMIL          | 1     | 0.004716                                              | 0.004716                                         |
| 18        | B200000628     | BOM          | NMIL          | 1     | 0.006015                                              | 0.006015                                         |
| 19        | B200010022     | BOM          | NMIL          | 1     | 0.000453                                              | 0.000453                                         |
| 20        | B200010052     | BOM          | NMIL          | 10    | 0.000337                                              | 0.003370                                         |
| 21        | B200010056     | BOM          | NMIL          | 6     | 0.000323                                              | 0.001938                                         |
| 22        | B200010162     | BOM          | NMIL          | 1     | 0.073390                                              | 0.073390                                         |
| 23        | B200010190     | BOM          | NMIL          | 1     | 0.002434                                              | 0.002434                                         |
| 24        | B200010192     | BOM          | NMIL          | 1     | 0.008014                                              | 0.008014                                         |

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|-----------|----------------|--------------|---------------|-------|-------------------------------------------------------|--------------------------------------------------|
| 25        | B200010201     | BOM          | NMIL          | 4     | 0.065527                                              | 0.262108                                         |
| 26        | B200010204     | BOM          | NMIL          | 6     | 0.072168                                              | 0.433008                                         |
| 27        | B200010238     | BOM          | NMIL          | 2     | 0.073390                                              | 0.146780                                         |
| 28        | B200020024     | BOM          | NMIL          | 4     | 0.002332                                              | 0.009328                                         |
| 29        | B200020037     | BOM          | NMIL          | 1     | 0.002332                                              | 0.002332                                         |
| 30        | B200030107     | BOM          | NMIL          | 5     | 0.002308                                              | 0.011540                                         |
| 31        | B200040073     | BOM          | NMIL          | 12    | 0.011646                                              | 0.139752                                         |
| 32        | B200040109     | BOM          | NMIL          | 1     | 0.000261                                              | 0.000261                                         |
| 33        | B200040120     | BOM          | NMIL          | 1     | 0.011646                                              | 0.011646                                         |
| 34        | B200040123     | BOM          | NMIL          | 1     | 0.015829                                              | 0.015829                                         |
| 35        | B200040133     | BOM          | NMIL          | 2     | 0.011646                                              | 0.023292                                         |
| 36        | B200050036     | BOM          | NMIL          | 4     | 0.003013                                              | 0.012052                                         |
| 37        | B200050085     | BOM          | NMIL          | 1     | 0.003013                                              | 0.003013                                         |
| 38        | B200090005     | BOM          | NMIL          | 1     | 0.001476                                              | 0.001476                                         |
| 39        | B200110042     | BOM          | NMIL          | 3     | 0.002210                                              | 0.006630                                         |
| 40        | B200110046     | BOM          | NMIL          | 1     | 0.002896                                              | 0.002896                                         |
| 41        | B200110061     | BOM          | NMIL          | 2     | 0.002896                                              | 0.005792                                         |
| 42        | B200110120     | BOM          | NMIL          | 2     | 0.002896                                              | 0.005792                                         |
| 43        | B200110123     | BOM          | NMIL          | 1     | 0.002210                                              | 0.002210                                         |
| 44        | B200110235     | BOM          | NMIL          | 1     | 0.002896                                              | 0.002896                                         |
| 45        | B200110279     | BOM          | NMIL          | 2     | 0.002210                                              | 0.004420                                         |
| 46        | B200110282     | BOM          | NMIL          | 1     | 0.002896                                              | 0.002896                                         |
| 47        | B200110311     | BOM          | NMIL          | 1     | 0.002210                                              | 0.002210                                         |
| 48        | B200110357     | BOM          | NMIL          | 2     | 0.002896                                              | 0.005792                                         |
| 49        | B200110487     | BOM          | NMIL          | 2     | 0.002896                                              | 0.005792                                         |
| 50        | B200110488     | BOM          | NMIL          | 1     | 0.002210                                              | 0.002210                                         |
| 51        | B200110503     | BOM          | NMIL          | 2     | 0.002210                                              | 0.004420                                         |
| 52        | B200110504     | BOM          | NMIL          | 2     | 0.002319                                              | 0.004638                                         |
| 53        | B200110505     | BOM          | NMIL          | 1     | 0.002210                                              | 0.002210                                         |
| 54        | B200110506     | BOM          | NMIL          | 1     | 0.002210                                              | 0.002210                                         |
| 55        | B200110520     | BOM          | NMIL          | 1     | 0.002210                                              | 0.002210                                         |
| 56        | B200110524     | BOM          | NMIL          | 1     | 0.002210                                              | 0.002210                                         |
| 57        | B200110530     | BOM          | NMIL          | 1     | 0.002210                                              | 0.002210                                         |
| 58        | B200110532     | BOM          | NMIL          | 1     | 0.002210                                              | 0.002210                                         |
| 59        | B200110541     | BOM          | NMIL          | 1     | 0.002210                                              | 0.002210                                         |
| 60        | B200110548     | BOM          | NMIL          | 1     | 0.002210                                              | 0.002210                                         |
| 61        | B200110598     | BOM          | NMIL          | 2     | 0.002210                                              | 0.004420                                         |
| 62        | B200110617     | BOM          | NMIL          | 1     | 0.002319                                              | 0.002319                                         |
| 63        | B200110705     | BOM          | NMIL          | 2     | 0.002210                                              | 0.004420                                         |
| 64        | B200110709     | BOM          | NMIL          | 1     | 0.002026                                              | 0.002026                                         |

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|-----------|----------------|--------------|---------------|-------|-------------------------------------------------------|--------------------------------------------------|
| 65        | B200110729     | BOM          | NMIL          | 4     | 0.002026                                              | 0.008104                                         |
| 66        | B200110730     | BOM          | NMIL          | 2     | 0.002026                                              | 0.004052                                         |
| 67        | B200110731     | BOM          | NMIL          | 1     | 0.002026                                              | 0.002026                                         |
| 68        | B200110733     | BOM          | NMIL          | 11    | 0.002026                                              | 0.022286                                         |
| 69        | B200110734     | BOM          | NMIL          | 1     | 0.002026                                              | 0.002026                                         |
| 70        | B200110735     | BOM          | NMIL          | 2     | 0.002026                                              | 0.004052                                         |
| 71        | B200110743     | BOM          | NMIL          | 6     | 0.002026                                              | 0.012156                                         |
| 72        | B200110746     | BOM          | NMIL          | 2     | 0.002026                                              | 0.004052                                         |
| 73        | B200110775     | BOM          | NMIL          | 1     | 0.002026                                              | 0.002026                                         |
| 74        | B200110794     | BOM          | NMIL          | 1     | 0.002026                                              | 0.002026                                         |
| 75        | B200110800     | BOM          | NMIL          | 2     | 0.002026                                              | 0.004052                                         |
| 76        | B200110806     | BOM          | NMIL          | 1     | 0.002026                                              | 0.002026                                         |
| 77        | B200110807     | BOM          | NMIL          | 1     | 0.002026                                              | 0.002026                                         |
| 78        | B200110808     | BOM          | NMIL          | 6     | 0.002026                                              | 0.012156                                         |
| 79        | B200110811     | BOM          | NMIL          | 2     | 0.002026                                              | 0.004052                                         |
| 80        | B200110813     | BOM          | NMIL          | 2     | 0.002026                                              | 0.004052                                         |
| 81        | B200110820     | BOM          | NMIL          | 1     | 0.002026                                              | 0.002026                                         |
| 82        | B200110825     | BOM          | NMIL          | 1     | 0.002126                                              | 0.002126                                         |
| 83        | B200110834     | BOM          | NMIL          | 1     | 0.002026                                              | 0.002026                                         |
| 84        | B200110842     | BOM          | NMIL          | 1     | 0.002026                                              | 0.002026                                         |
| 85        | B200110847     | BOM          | NMIL          | 1     | 0.002026                                              | 0.002026                                         |
| 86        | B200110861     | BOM          | NMIL          | 1     | 0.002026                                              | 0.002026                                         |
| 87        | B200110864     | BOM          | NMIL          | 2     | 0.002026                                              | 0.004052                                         |
| 88        | B200110928     | BOM          | NMIL          | 1     | 0.002026                                              | 0.002026                                         |
| 89        | B200110965     | BOM          | NMIL          | 2     | 0.002026                                              | 0.004052                                         |
| 90        | B200111016     | BOM          | NMIL          | 1     | 0.002026                                              | 0.002026                                         |
| 91        | B200111117     | BOM          | NMIL          | 1     | 0.002026                                              | 0.002026                                         |
| 92        | B200120102     | BOM          | NMIL          | 1     | 0.007441                                              | 0.007441                                         |
| 93        | B200120172     | BOM          | NMIL          | 1     | 0.004848                                              | 0.004848                                         |
| 94        | B200120174     | BOM          | NMIL          | 1     | 0.004541                                              | 0.004541                                         |
| 95        | B200160017     | BOM          | NMIL          | 1     | 0.004760                                              | 0.004760                                         |
| 96        | B200160034     | BOM          | NMIL          | 1     | 0.029693                                              | 0.029693                                         |
| 97        | B200170020     | BOM          | NMIL          | 2     | 0.003721                                              | 0.007442                                         |
| 98        | B200170047     | BOM          | NMIL          | 2     | 0.003721                                              | 0.007442                                         |
| 99        | B200180068     | BOM          | NMIL          | 2     | 0.001845                                              | 0.003690                                         |
| 100       | B200200075     | BOM          | NMIL          | 1     | 0.009676                                              | 0.009676                                         |
| 101       | B200200082     | BOM          | NMIL          | 7     | 0.008395                                              | 0.058765                                         |
| 102       | B200200116     | BOM          | NMIL          | 2     | 0.004199                                              | 0.008398                                         |
| 103       | B200200119     | BOM          | NMIL          | 1     | 0.004827                                              | 0.004827                                         |

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|-----------|----------------|--------------|---------------|-------|-------------------------------------------------------|--------------------------------------------------|
| 104       | B200200140     | BOM          | NMIL          | 1     | 0.003664                                              | 0.003664                                         |
| 105       | B200200153     | BOM          | NMIL          | 3     | 0.005166                                              | 0.015498                                         |
| 106       | B200200155     | BOM          | NMIL          | 1     | 0.005166                                              | 0.005166                                         |
| 107       | B200200156     | BOM          | NMIL          | 3     | 0.006356                                              | 0.019068                                         |
| 108       | B200200187     | BOM          | NMIL          | 1     | 0.009037                                              | 0.009037                                         |
| 109       | B200200203     | BOM          | NMIL          | 1     | 0.003924                                              | 0.003924                                         |
| 110       | B200200205     | BOM          | NMIL          | 3     | 0.007820                                              | 0.023460                                         |
| 111       | B200200206     | BOM          | NMIL          | 1     | 0.008395                                              | 0.008395                                         |
| 112       | B200200207     | BOM          | NMIL          | 6     | 0.005166                                              | 0.030996                                         |
| 113       | B200200208     | BOM          | NMIL          | 5     | 0.006356                                              | 0.031780                                         |
| 114       | B200200210     | BOM          | NMIL          | 1     | 0.007820                                              | 0.007820                                         |
| 115       | B200200224     | BOM          | NMIL          | 1     | 0.004199                                              | 0.004199                                         |
| 116       | B200220010     | BOM          | NMIL          | 3     | 0.003943                                              | 0.011829                                         |
| 117       | B200220038     | BOM          | NMIL          | 1     | 0.001385                                              | 0.001385                                         |
| 118       | B200220081     | BOM          | NMIL          | 2     | 0.001125                                              | 0.002250                                         |
| 119       | B200230210     | BOM          | NMIL          | 1     | 0.008794                                              | 0.008794                                         |
| 120       | B200230276     | BOM          | NMIL          | 3     | 0.001395                                              | 0.004185                                         |
| 121       | B200230281     | BOM          | NMIL          | 3     | 0.008469                                              | 0.025407                                         |
| 122       | B200230337     | BOM          | NMIL          | 1     | 0.001484                                              | 0.001484                                         |
| 123       | B200230377     | BOM          | NMIL          | 2     | 0.009871                                              | 0.019742                                         |
| 124       | B200230460     | BOM          | NMIL          | 2     | 0.010491                                              | 0.020982                                         |
| 125       | B200230462     | BOM          | NMIL          | 4     | 0.013588                                              | 0.054352                                         |
| 126       | B200230499     | BOM          | NMIL          | 1     | 0.010862                                              | 0.010862                                         |
| 127       | B200250009     | BOM          | NMIL          | 1     | 0.012238                                              | 0.012238                                         |
| 128       | B200260271     | BOM          | NMIL          | 1     | 0.019936                                              | 0.019936                                         |
| 129       | B200260277     | BOM          | NMIL          | 1     | 0.019936                                              | 0.019936                                         |
| 130       | B200280017     | BOM          | NMIL          | 1     | 0.000623                                              | 0.000623                                         |
| 131       | B200300382     | BOM          | NMIL          | 1     | 0.005228                                              | 0.005228                                         |
| 132       | B200300462     | BOM          | NMIL          | 1     | 0.004212                                              | 0.004212                                         |
| 133       | B200300463     | BOM          | NMIL          | 1     | 0.004241                                              | 0.004241                                         |
| 134       | B200300464     | BOM          | NMIL          | 1     | 0.024824                                              | 0.024824                                         |
| 135       | B200330002     | BOM          | NMIL          | 1     | 0.015429                                              | 0.015429                                         |
| 136       | B200360067     | BOM          | NMIL          | 1     | 0.001671                                              | 0.001671                                         |
| 137       | B200370003     | BOM          | NMIL          | 1     | 0.000962                                              | 0.000962                                         |
| 138       | B200370069     | BOM          | NMIL          | 1     | 0.001373                                              | 0.001373                                         |
| 139       | B200370081     | BOM          | NMIL          | 2     | 0.000962                                              | 0.001924                                         |
| 140       | B200370085     | BOM          | NMIL          | 3     | 0.001196                                              | 0.003588                                         |
| 141       | B210090231     | BOM          | SPECIAL       | 1     | 1.995000                                              | 1.995000                                         |
| 142       | B210160043     | BOM          | NMIL          | 1     | 0.010000                                              | 0.010000                                         |
| 143       | B210192550     | BOM          | NMIL          | 1     | 0.001193                                              | 0.001193                                         |

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|-----------|----------------|--------------|---------------|-------|-------------------------------------------------------|--------------------------------------------------|
| 144       | B210192590     | BOM          | NMIL          | 1     | 0.017022                                              | 0.017022                                         |

Total Failure Rate (F/10<sup>6</sup>Hrs) : 5.093511  
Mean Time (in hours) Between Failures (MTBF) : 196,328