

ZIPPY TECHNOLOGY CORP  
2F,No.50,MIN CHYUAN RD  
SHIN-TIEN,TAIPEI HSIEN,TAIWAN,R.O.C.

|                                         |                                        |                             |              |              |                     |                     |
|-----------------------------------------|----------------------------------------|-----------------------------|--------------|--------------|---------------------|---------------------|
|                                         | RELIABILITY PREDICTION STANDARD REPORT |                             |              |              |                     |                     |
|                                         |                                        | (Sorted by Part Number)     |              |              |                     |                     |
|                                         |                                        | MIL - HDBK - 217F, Notice 2 |              |              |                     |                     |
|                                         |                                        |                             |              |              |                     |                     |
| Date : FEB-05-2002      Time : 10:12:35 |                                        |                             |              |              |                     |                     |
| End Item Title :HP2 SERIES MTBF         |                                        |                             |              |              |                     |                     |
| End Item Part Number :HP2-6500P-R       |                                        |                             |              |              |                     |                     |
| Module Title : ZIPPY TECHNOLOGY CORP    |                                        |                             |              |              |                     |                     |
| Module Part Number : HP2/MTBF           |                                        |                             |              |              |                     |                     |
| Module Reference Designation : HP2      |                                        |                             |              |              |                     |                     |
| Environmental Condition : GB            |                                        |                             |              |              |                     |                     |
|                                         |                                        |                             |              |              |                     |                     |
|                                         |                                        |                             |              |              |                     |                     |
| <b><u>HP2-6500P-R</u></b>               |                                        |                             |              |              |                     |                     |
|                                         |                                        |                             |              |              |                     |                     |
| <b>ITEM</b>                             | <b>Part</b>                            | <b>Ref</b>                  | <b>Qual</b>  | <b>Quant</b> | <b>Individual</b>   | <b>Total</b>        |
| <b>#</b>                                | <b>Number</b>                          | <b>Desig</b>                | <b>Level</b> |              | <b>Failure Rate</b> | <b>Failure Rate</b> |
|                                         |                                        |                             |              |              | <b>(F/10^6Hrs)</b>  | <b>(F/10^6Hrs)</b>  |
| 1                                       | 200-78127LR0                           | BOM                         | SPECIAL      | 1            | 0.094935            | 0.094935            |
| 2                                       | 200-HA174313                           | BOM                         | SPECIAL      | 4            | 0.094935            | 0.379740            |
| 3                                       | 200-L6385UU0                           | BOM                         | SPECIAL      | 1            | 0.094935            | 0.094935            |
| 4                                       | 200-LM393UU1                           | BOM                         | SPECIAL      | 1            | 0.094935            | 0.094935            |
| 5                                       | 200-LTV817B0                           | BOM                         | SPECIAL      | 3            | 0.094935            | 0.284805            |
| 6                                       | 200-ML4824C0                           | BOM                         | SPECIAL      | 1            | 0.094935            | 0.094935            |
| 7                                       | 200-NJM7812F                           | BOM                         | SPECIAL      | 1            | 0.094935            | 0.094935            |
| 8                                       | 200-TOP233Y0                           | BOM                         | SPECIAL      | 1            | 0.094935            | 0.094935            |
| 9                                       | 200-WT751010                           | BOM                         | SPECIAL      | 1            | 0.094935            | 0.094935            |
| 10                                      | 201-20N60S50                           | BOM                         | NMIL         | 2            | 0.116461            | 0.232922            |
| 11                                      | 201-2SB12601                           | BOM                         | NMIL         | 1            | 0.031398            | 0.031398            |
| 12                                      | 201-2SC50531                           | BOM                         | NMIL         | 1            | 0.031398            | 0.031398            |
| 13                                      | 201-CEP70600                           | BOM                         | NMIL         | 2            | 0.116461            | 0.232922            |
| 14                                      | 201-MMBT2221                           | BOM                         | NMIL         | 2            | 0.031398            | 0.062796            |
| 15                                      | 201-PN2907U1                           | BOM                         | NMIL         | 1            | 0.031398            | 0.031398            |
| 16                                      | 201-SPP20N60                           | BOM                         | NMIL         | 2            | 0.116461            | 0.232922            |
| 17                                      | 202-11N41482                           | BOM                         | NMIL         | 9            | 0.005152            | 0.046368            |
| 18                                      | 202-11N58220                           | BOM                         | NMIL         | 1            | 0.005152            | 0.005152            |
| 19                                      | 202-1GS1MUU1                           | BOM                         | NMIL         | 2            | 0.005152            | 0.010304            |
| 20                                      | 202-2TZMC160                           | BOM                         | NMIL         | 1            | 0.128888            | 0.128888            |
| 21                                      | 202-331DF200                           | BOM                         | NMIL         | 1            | 0.116461            | 0.116461            |

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|    |              |     |      |    |          |          |
|----|--------------|-----|------|----|----------|----------|
| 22 | 202-340CPQ10 | BOM | NMIL | 1  | 0.116461 | 0.116461 |
| 23 | 202-372CPQ00 | BOM | NMIL | 1  | 0.116461 | 0.116461 |
| 24 | 202-3MBR4040 | BOM | NMIL | 1  | 0.116461 | 0.116461 |
| 25 | 202-3SB36000 | BOM | NMIL | 1  | 0.116461 | 0.116461 |
| 26 | 202-3SS16UU1 | BOM | NMIL | 2  | 0.128888 | 0.257776 |
| 27 | 202-4BYM26C1 | BOM | NMIL | 2  | 0.128888 | 0.257776 |
| 28 | 202-4HFA15T0 | BOM | NMIL | 1  | 0.128888 | 0.128888 |
| 29 | 202-4UGF10K0 | BOM | NMIL | 2  | 0.005156 | 0.010312 |
| 30 | 202-4US1DUU1 | BOM | NMIL | 4  | 0.005156 | 0.020624 |
| 31 | 202-5D10XB60 | BOM | NMIL | 1  | 0.019591 | 0.019591 |
| 32 | 210-101004L1 | BOM | NMIL | 5  | 0.012866 | 0.064330 |
| 33 | 210-101012J1 | BOM | NMIL | 1  | 0.012866 | 0.012866 |
| 34 | 210-101014L1 | BOM | NMIL | 1  | 0.012866 | 0.012866 |
| 35 | 210-101022J1 | BOM | NMIL | 1  | 0.012866 | 0.012866 |
| 36 | 210-101024L1 | BOM | NMIL | 12 | 0.012866 | 0.154392 |
| 37 | 210-101034L1 | BOM | NMIL | 9  | 0.012866 | 0.115794 |
| 38 | 210-101234L1 | BOM | NMIL | 1  | 0.012866 | 0.012866 |
| 39 | 210-101334L1 | BOM | NMIL | 2  | 0.012866 | 0.025732 |
| 40 | 210-101514L1 | BOM | NMIL | 1  | 0.012866 | 0.012866 |
| 41 | 210-101534L1 | BOM | NMIL | 2  | 0.012866 | 0.025732 |
| 42 | 210-101814L1 | BOM | NMIL | 1  | 0.012866 | 0.012866 |
| 43 | 210-101834L1 | BOM | NMIL | 1  | 0.012866 | 0.012866 |
| 44 | 210-102024L1 | BOM | NMIL | 5  | 0.012866 | 0.064330 |
| 45 | 210-102034L1 | BOM | NMIL | 1  | 0.012866 | 0.012866 |
| 46 | 210-102124L1 | BOM | NMIL | 2  | 0.012866 | 0.025732 |
| 47 | 210-102204L1 | BOM | NMIL | 11 | 0.012866 | 0.141526 |
| 48 | 210-102214L1 | BOM | NMIL | 1  | 0.012866 | 0.012866 |
| 49 | 210-102424L1 | BOM | NMIL | 2  | 0.012866 | 0.025732 |
| 50 | 210-102724L1 | BOM | NMIL | 1  | 0.012866 | 0.012866 |
| 51 | 210-102734L1 | BOM | NMIL | 1  | 0.012866 | 0.012866 |
| 52 | 210-103304L1 | BOM | NMIL | 1  | 0.012866 | 0.012866 |
| 53 | 210-103314L1 | BOM | NMIL | 2  | 0.012866 | 0.025732 |
| 54 | 210-103324L1 | BOM | NMIL | 2  | 0.012866 | 0.025732 |
| 55 | 210-103R34L1 | BOM | NMIL | 1  | 0.012866 | 0.012866 |
| 56 | 210-104304L1 | BOM | NMIL | 2  | 0.012866 | 0.025732 |
| 57 | 210-104704L1 | BOM | NMIL | 2  | 0.012866 | 0.025732 |
| 58 | 210-104724L1 | BOM | NMIL | 2  | 0.012866 | 0.025732 |
| 59 | 210-104R74L1 | BOM | NMIL | 2  | 0.012866 | 0.025732 |
| 60 | 210-105124L1 | BOM | NMIL | 1  | 0.012866 | 0.012866 |
| 61 | 210-105134L1 | BOM | NMIL | 1  | 0.012866 | 0.012866 |

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|     |               |     |      |   |          |          |
|-----|---------------|-----|------|---|----------|----------|
| 62  | 210-105624L1  | BOM | NMIL | 4 | 0.012866 | 0.051464 |
| 63  | 210-105644L1  | BOM | NMIL | 4 | 0.012866 | 0.051464 |
| 64  | 210-106244L1  | BOM | NMIL | 3 | 0.012866 | 0.038598 |
| 65  | 210-106824L1  | BOM | NMIL | 1 | 0.012866 | 0.012866 |
| 66  | 210-106834L1  | BOM | NMIL | 1 | 0.012866 | 0.012866 |
| 67  | 210-107514L1  | BOM | NMIL | 2 | 0.012866 | 0.025732 |
| 68  | 210-107534L1  | BOM | NMIL | 1 | 0.012866 | 0.012866 |
| 69  | 210-113334L1  | BOM | NMIL | 7 | 0.012866 | 0.090062 |
| 70  | 210-20103AJ0  | BOM | NMIL | 1 | 0.034747 | 0.034747 |
| 71  | 210-20221BJ0  | BOM | NMIL | 1 | 0.013000 | 0.013000 |
| 72  | 210-20270AJ0  | BOM | NMIL | 1 | 0.034747 | 0.034747 |
| 73  | 210-20470BJ0  | BOM | NMIL | 1 | 0.013000 | 0.013000 |
| 74  | 210-20R047CJA | BOM | NMIL | 1 | 0.060262 | 0.060262 |
| 75  | 210-20R068CJ0 | BOM | NMIL | 1 | 0.060262 | 0.060262 |
| 76  | 210-20R15CJ0  | BOM | NMIL | 1 | 0.060262 | 0.060262 |
| 77  | 210-501020XE  | BOM | NMIL | 1 | 0.021303 | 0.021303 |
| 78  | 210-502030XB  | BOM | NMIL | 1 | 0.021303 | 0.021303 |
| 79  | 210-7SCK2R59  | BOM | NMIL | 1 | 0.030153 | 0.030153 |
| 80  | 210-9R0040D0  | BOM | NMIL | 6 | 0.005156 | 0.030936 |
| 81  | 211-11053000  | BOM | N/A  | 1 | 0.000000 | 0.000000 |
| 82  | 211-14743000  | BOM | N/A  | 1 | 0.000000 | 0.000000 |
| 83  | 211-31020501  | BOM | N/A  | 7 | 0.001443 | 0.010101 |
| 84  | 211-31030503  | BOM | N/A  | 4 | 0.001443 | 0.005772 |
| 85  | 211-31040503  | BOM | N/A  | 8 | 0.001443 | 0.011544 |
| 86  | 211-32220502  | BOM | N/A  | 1 | 0.001443 | 0.001443 |
| 87  | 211-32240501  | BOM | N/A  | 1 | 0.001443 | 0.001443 |
| 88  | 211-34700500  | BOM | N/A  | 3 | 0.001443 | 0.004329 |
| 89  | 211-34720501  | BOM | N/A  | 1 | 0.001443 | 0.001443 |
| 90  | 211-34722000  | BOM | N/A  | 2 | 0.001443 | 0.002886 |
| 91  | 211-34740251  | BOM | N/A  | 4 | 0.001443 | 0.005772 |
| 92  | 211-5103A000  | BOM | N/A  | 1 | 0.026770 | 0.026770 |
| 93  | 211-54722500  | BOM | N/A  | 1 | 0.026770 | 0.026770 |
| 94  | 211-61050501  | BOM | N/A  | 2 | 0.013759 | 0.027518 |
| 95  | 211-61070250  | BOM | N/A  | 3 | 0.013759 | 0.041277 |
| 96  | 211-61080166  | BOM | N/A  | 2 | 0.013759 | 0.027518 |
| 97  | 211-61086R30  | BOM | N/A  | 1 | 0.013759 | 0.013759 |
| 98  | 211-62250500  | BOM | N/A  | 2 | 0.013759 | 0.027518 |
| 99  | 211-62250503  | BOM | N/A  | 1 | 0.013759 | 0.013759 |
| 100 | 211-62260251  | BOM | N/A  | 2 | 0.026770 | 0.053540 |
| 101 | 211-62286R30  | BOM | N/A  | 2 | 0.013759 | 0.027518 |

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|     |                |     |                                                |   |          |               |
|-----|----------------|-----|------------------------------------------------|---|----------|---------------|
| 102 | 211-63374000   | BOM | N/A                                            | 1 | 0.008369 | 0.008369      |
| 103 | 211-63380102   | BOM | N/A                                            | 2 | 0.013759 | 0.027518      |
| 104 | 211-64760252   | BOM | N/A                                            | 1 | 0.026770 | 0.026770      |
| 105 | 211-64760500   | BOM | N/A                                            | 2 | 0.013759 | 0.027518      |
| 106 | 211-64770101   | BOM | N/A                                            | 1 | 0.026770 | 0.026770      |
| 107 | 211-64770254   | BOM | N/A                                            | 2 | 0.026770 | 0.053540      |
| 108 | 212-2EMR1010   | BOM | NMIL                                           | 1 | 0.088051 | 0.088051      |
| 109 | 212-3EMR0880   | BOM | NMIL                                           | 1 | 0.088051 | 0.088051      |
| 110 | 212-3EMR0890   | BOM | NMIL                                           | 1 | 0.088051 | 0.088051      |
| 111 | 212-3EMR1180   | BOM | NMIL                                           | 1 | 0.088051 | 0.088051      |
| 112 | 212-3EMR1190   | BOM | NMIL                                           | 1 | 0.088051 | 0.088051      |
| 113 | 212-3EMR1200   | BOM | NMIL                                           | 1 | 0.088051 | 0.088051      |
| 114 | 212-3EMR1210   | BOM | NMIL                                           | 1 | 0.088051 | 0.088051      |
| 115 | 212-4EMR0200   | BOM | NMIL                                           | 3 | 0.088051 | 0.264153      |
| 116 | 213-00003      | BOM | NMIL                                           | 2 | 0.015958 | 0.031916      |
| 117 | 213-00022      | BOM | NMIL                                           | 1 | 0.015958 | 0.015958      |
| 118 | 214-EMT13100   | BOM | NMIL                                           | 1 | 0.021613 | 0.021613      |
| 119 | 214-EMT13200   | BOM | NMIL                                           | 1 | 0.021613 | 0.021613      |
| 120 | 225-32223(FAN) | BOM | KNOENFR                                        | 1 | 3.211000 | 3.211000      |
| 121 | 226-21821      | BOM | N/A                                            | 1 | 0.010000 | 0.010000      |
| 122 | 228-57000      | BOM | STANDAND                                       | 1 | 0.022077 | 0.022077      |
| 123 | 228-57001      | BOM | STANDAND                                       | 1 | 0.022077 | 0.022077      |
| 124 | 228-57004      | BOM | STANDAND                                       | 1 | 0.022077 | 0.022077      |
| 125 | 228-57005      | BOM | STANDAND                                       | 1 | 0.022077 | 0.022077      |
|     |                |     |                                                |   |          |               |
|     |                |     |                                                |   |          |               |
|     |                |     | Total Failure Rate (F/10 <sup>6</sup> Hrs) :   |   |          | 10.101488     |
|     |                |     | Mean Time (in hours) Between Failures (MTBF) : |   |          | <b>98,995</b> |