

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-19-2014      Time : 09:42:33  
End Item Title : M1Y SERIES MTBF  
End Item Part Number : M1Y-2152V (RoHS)(PMBus NP1.2)  
M1Y-2152V (RoHS)(PMBus NP1.2) MTBF : 162,184  
Module Title : ZIPPY TECHNOLOGY CORP  
Module Part Number : M1Y / MTBF  
Module Reference Designation : M1Y  
Environmental Condition : GB  
Ambient Temperature: 25°C

M1Y-2152V (RoHS)(PMBus NP1.2)

ITEM #	Part Number	Ref Desig	Qual Level	Quant	Individual Failure Rate (F/10 <sup>6</sup> Hrs)	Total Failure Rate (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	B104470003	BOM	NMIL	1	0.197783	0.197783
4	B105250002	BOM	NMIL	1	0.195486	0.195486
5	B105250005	BOM	NMIL	1	0.026430	0.026430
6	B200000144	BOM	SPECIAL	1	0.094935	0.094935
7	B200000268	BOM	SPECIAL	1	0.094935	0.094935
8	B200000281	BOM	SPECIAL	2	0.094935	0.189870
9	B200000308	BOM	SPECIAL	4	0.094935	0.379740
10	B200000521	BOM	SPECIAL	1	0.094935	0.094935
11	B200000552	BOM	SPECIAL	1	0.094935	0.094935
12	B200000553	BOM	SPECIAL	1	0.094935	0.094935
13	B200000554	BOM	SPECIAL	1	0.094935	0.094935
14	B200000555	BOM	SPECIAL	1	0.094935	0.094935
15	B200010022	BOM	NMIL	2	0.000798	0.001596
16	B200010052	BOM	NMIL	3	0.000798	0.002394
17	B200010056	BOM	NMIL	2	0.000798	0.001596
18	B200010087	BOM	NMIL	2	0.000798	0.001596
19	B200010216	BOM	NMIL	2	0.029514	0.059028
20	B200020024	BOM	NMIL	10	0.005156	0.051560
21	B200020034	BOM	NMIL	1	0.005156	0.005156
22	B200030055	BOM	NMIL	1	0.007617	0.007617
23	B200030061	BOM	NMIL	1	0.003446	0.003446
24	B200030080	BOM	NMIL	1	0.005259	0.005259

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25	B200030081	BOM	NMIL	1	0.003446	0.003446
26	B200040015	BOM	NMIL	1	0.005967	0.005967
27	B200040059	BOM	NMIL	1	0.005967	0.005967
28	B200040112	BOM	NMIL	1	0.005967	0.005967
29	B200040115	BOM	NMIL	1	0.015144	0.015144
30	B200040116	BOM	NMIL	1	0.015144	0.015144
31	B200050035	BOM	NMIL	1	0.005218	0.005218
32	B200050036	BOM	NMIL	1	0.005218	0.005218
33	B200050037	BOM	NMIL	1	0.005218	0.005218
34	B200050045	BOM	NMIL	3	0.005218	0.015654
35	B200060025	BOM	NMIL	1	0.007950	0.007950
36	B200090005	BOM	NMIL	1	0.001518	0.001518
37	B200110040	BOM	NMIL	1	0.004650	0.004650
38	B200110042	BOM	NMIL	3	0.004650	0.013950
39	B200110123	BOM	NMIL	2	0.004650	0.009300
40	B200110127	BOM	NMIL	1	0.007440	0.007440
41	B200110190	BOM	NMIL	1	0.004650	0.004650
42	B200110261	BOM	NMIL	1	0.004650	0.004650
43	B200110279	BOM	NMIL	2	0.004650	0.009300
44	B200110319	BOM	NMIL	1	0.004650	0.004650
45	B200110337	BOM	NMIL	2	0.005115	0.010230
46	B200110343	BOM	NMIL	1	0.004650	0.004650
47	B200110506	BOM	NMIL	1	0.004650	0.004650
48	B200110512	BOM	NMIL	2	0.004650	0.009300
49	B200110523	BOM	NMIL	1	0.004650	0.004650
50	B200110529	BOM	NMIL	4	0.004650	0.018600
51	B200110531	BOM	NMIL	2	0.004650	0.009300
52	B200110542	BOM	NMIL	2	0.004650	0.009300
53	B200110557	BOM	NMIL	2	0.007440	0.014880
54	B200110564	BOM	NMIL	1	0.004650	0.004650
55	B200110615	BOM	NMIL	1	0.004650	0.004650
56	B200110691	BOM	NMIL	1	0.004650	0.004650
57	B200110695	BOM	NMIL	3	0.007440	0.022320
58	B200110696	BOM	NMIL	3	0.007440	0.022320
59	B200110729	BOM	NMIL	2	0.004650	0.009300
60	B200110732	BOM	NMIL	1	0.004650	0.004650
61	B200110733	BOM	NMIL	5	0.004650	0.023250
62	B200110734	BOM	NMIL	1	0.004650	0.004650
63	B200110737	BOM	NMIL	1	0.004650	0.004650
64	B200110739	BOM	NMIL	1	0.004650	0.004650
65	B200110743	BOM	NMIL	5	0.004650	0.023250
66	B200110746	BOM	NMIL	1	0.004650	0.004650
67	B200110775	BOM	NMIL	6	0.004650	0.027900
68	B200110776	BOM	NMIL	3	0.004650	0.013950

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69	B200110796	BOM	NMIL	1	0.004650	0.004650
70	B200110807	BOM	NMIL	1	0.004650	0.004650
71	B200110811	BOM	NMIL	1	0.004650	0.004650
72	B200110812	BOM	NMIL	1	0.004650	0.004650
73	B200110819	BOM	NMIL	1	0.004650	0.004650
74	B200110820	BOM	NMIL	1	0.004650	0.004650
75	B200110822	BOM	NMIL	1	0.005115	0.005115
76	B200110841	BOM	NMIL	2	0.004650	0.009300
77	B200110843	BOM	NMIL	1	0.005115	0.005115
78	B200110844	BOM	NMIL	1	0.004650	0.004650
79	B200110848	BOM	NMIL	1	0.004650	0.004650
80	B200110854	BOM	NMIL	2	0.004650	0.009300
81	B200110864	BOM	NMIL	1	0.004650	0.004650
82	B200110865	BOM	NMIL	1	0.004650	0.004650
83	B200110872	BOM	NMIL	1	0.004650	0.004650
84	B200110949	BOM	NMIL	1	0.005115	0.005115
85	B200110984	BOM	NMIL	2	0.004650	0.009300
86	B200110987	BOM	NMIL	2	0.004650	0.009300
87	B200110988	BOM	NMIL	1	0.004650	0.004650
88	B200110989	BOM	NMIL	1	0.004650	0.004650
89	B200110990	BOM	NMIL	1	0.005115	0.005115
90	B200110991	BOM	NMIL	1	0.004650	0.004650
91	B200110992	BOM	NMIL	1	0.005115	0.005115
92	B200110993	BOM	NMIL	1	0.007440	0.007440
93	B200160011	BOM	NMIL	1	0.065000	0.065000
94	B200160017	BOM	NMIL	1	0.065000	0.065000
95	B200170022	BOM	NMIL	1	0.004875	0.004875
96	B200170023	BOM	NMIL	1	0.004875	0.004875
97	B200180094	BOM	N/A	1	0.008146	0.008146
98	B200180095	BOM	N/A	1	0.009327	0.009327
99	B200190087	BOM	N/A	1	0.016840	0.016840
100	B200190088	BOM	N/A	3	0.015889	0.047667
101	B200190089	BOM	N/A	1	0.013308	0.013308
102	B200200020	BOM	N/A	1	0.011856	0.011856
103	B200200060	BOM	N/A	1	0.012930	0.012930
104	B200200066	BOM	N/A	1	0.010911	0.010911
105	B200200074	BOM	N/A	3	0.015274	0.045822
106	B200200075	BOM	N/A	4	0.018108	0.072432
107	B200200078	BOM	N/A	1	0.010037	0.010037
108	B200200113	BOM	N/A	4	0.009203	0.036812
109	B200200114	BOM	N/A	6	0.011856	0.071136
110	B200200115	BOM	N/A	3	0.007791	0.023373
111	B200200116	BOM	N/A	2	0.007144	0.014288
112	B200200117	BOM	N/A	2	0.010037	0.020074

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113	B200200125	BOM	N/A	1	0.006575	0.006575
114	B200200140	BOM	N/A	1	0.009335	0.009335
115	B200200157	BOM	N/A	2	0.011856	0.023712
116	B200200174	BOM	N/A	1	0.011856	0.011856
117	B200200175	BOM	N/A	1	0.007878	0.007878
118	B200220018	BOM	N/A	2	0.012681	0.025362
119	B200220064	BOM	N/A	1	0.010761	0.010761
120	B200230036	BOM	N/A	1	0.047478	0.047478
121	B200230198	BOM	N/A	2	0.054717	0.109434
122	B200230210	BOM	N/A	1	0.047478	0.047478
123	B200230289	BOM	N/A	2	0.034047	0.068094
124	B200230336	BOM	N/A	5	0.023884	0.119420
125	B200230338	BOM	N/A	1	0.027382	0.027382
126	B200230350	BOM	N/A	2	0.135838	0.271676
127	B200230424	BOM	N/A	2	0.049061	0.098122
128	B200250009	BOM	NMIL	1	0.021770	0.021770
129	B200260208	BOM	NMIL	1	0.025794	0.025794
130	B200260359	BOM	NMIL	1	0.025794	0.025794
131	B200280012	BOM	NMIL	1	0.015958	0.015958
132	B200290005	BOM	NMIL	1	0.013740	0.013740
133	B200300414	BOM	NMIL	1	0.024575	0.024575
134	B200300415	BOM	NMIL	1	0.003614	0.003614
135	B200310012	BOM	NMIL	1	0.028764	0.028764
136	B210090197	BOM	KNOWNFR	1	2.050780	2.050780
137	B210160047	BOM	N/A	1	0.010000	0.010000
138	B210192030	N/A	STANDARD	1	0.016567	0.016567

Total Failure Rate (F/10<sup>6</sup>Hrs) : 6.165822  
 Mean Time (in hours) Between Failures (MTBF) : **162,184**