



ZIPPY TECHNOLOGY CORP.

Mean Time Between Failures PREDICTION REPORT

MIL-HDBK-217F, Notice 2

Product : Switching Power Supply

Model/Type : M1W1-5A10V3H(RoHS)

Approval By		正式 資料 用 章	
Prepared By			

ZIPPY TECHNOLOGY CORP.
6F.,NO.48,WUQUAN RD.,
WUGU DIST.,NEW TAIPEI CITY,TAIWAN,R.O.C.
RELIABILITY PREDICTION STANDARD REPORT
(Sorted by Part Number)
MIL-HDBK-217F, Notice 2

Date : SEP-19-2022 Time : 16:52:35
End Item Title : M1W1 SERIES MTBF
End Item Part Number : M1W1-5A10V3H(RoHS)
M1W1-5A10V3H(RoHS) MTBF : 105,674
Module Title : ZIPPY TECHNOLOGY CORP
Module Part Number : M1W / MTBF
Module Reference Designation : M1W
Environmental Condition : GB
Ambient Temperature: 25°C

M1W1-5A10V3H(RoHS)

ITEM #	Part Number	Ref Desig	Qual Level	Quant	Individual Failure Rate (F/10 ⁶ Hrs)	Total Failure Rate (F/10 ⁶ Hrs)
1	B102130002	BOM	NMIL	1	0.074349	0.074349
2	B102270003	BOM	NMIL	1	0.128027	0.128027
3	B102330003	BOM	NMIL	1	0.132621	0.132621
4	B102330005	BOM	NMIL	1	0.125731	0.125731
5	B102720004	BOM	NMIL	1	0.069564	0.069564
6	B102890004	BOM	NMIL	1	1.154544	1.154544
7	B103370006	BOM	NMIL	1	0.579409	0.579409
8	B200000001	BOM	SPECIAL	1	0.094935	0.094935
9	B200000276	BOM	SPECIAL	1	0.094935	0.094935
10	B200000296	BOM	SPECIAL	1	0.094935	0.094935
11	B200000332	BOM	SPECIAL	2	0.094935	0.189870
12	B200000333	BOM	SPECIAL	1	0.094935	0.094935
13	B200010052	BOM	NMIL	4	0.000798	0.003192
14	B200010080	BOM	NMIL	6	0.022732	0.136392
15	B200010087	BOM	NMIL	2	0.000798	0.001596
16	B200010091	BOM	NMIL	1	0.000578	0.000578
17	B200010098	BOM	NMIL	1	0.000798	0.000798
18	B200010099	BOM	NMIL	1	0.000798	0.000798
19	B200010105	BOM	NMIL	7	0.022732	0.159124
20	B200010109	BOM	NMIL	11	0.000798	0.008778
21	B200020004	BOM	NMIL	1	0.005156	0.005156
22	B200020017	BOM	NMIL	2	0.005156	0.010312
23	B200020020	BOM	NMIL	2	0.005156	0.010312
24	B200020021	BOM	NMIL	1	0.006751	0.006751

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25	B200030038	BOM	NMIL	1	0.007617	0.007617
26	B200030041	BOM	NMIL	1	0.007617	0.007617
27	B200040034	BOM	NMIL	1	0.005967	0.005967
28	B200040053	BOM	NMIL	1	0.011664	0.011664
29	B200040063	BOM	NMIL	1	0.011664	0.011664
30	B200040072	BOM	NMIL	1	0.005967	0.005967
31	B200040073	BOM	NMIL	13	0.005967	0.077571
32	B200040085	BOM	NMIL	1	0.011664	0.011664
33	B200050024	BOM	NMIL	1	0.005218	0.005218
34	B200050032	BOM	NMIL	7	0.005218	0.036526
35	B200050037	BOM	NMIL	2	0.005218	0.010436
36	B200060009	BOM	NMIL	1	0.010575	0.010575
37	B200070007	BOM	NMIL	2	0.004510	0.009020
38	B200110006	BOM	NMIL	7	0.004650	0.032550
39	B200110016	BOM	NMIL	3	0.004650	0.013950
40	B200110040	BOM	NMIL	7	0.004650	0.032550
41	B200110042	BOM	NMIL	5	0.004650	0.023250
42	B200110046	BOM	NMIL	17	0.004650	0.079050
43	B200110095	BOM	NMIL	2	0.004650	0.009300
44	B200110120	BOM	NMIL	4	0.004650	0.018600
45	B200110123	BOM	NMIL	2	0.004650	0.009300
46	B200110172	BOM	NMIL	3	0.004650	0.013950
47	B200110182	BOM	NMIL	2	0.004650	0.009300
48	B200110192	BOM	NMIL	3	0.004650	0.013950
49	B200110202	BOM	NMIL	4	0.004650	0.018600
50	B200110223	BOM	NMIL	4	0.005115	0.020460
51	B200110227	BOM	NMIL	3	0.004650	0.013950
52	B200110276	BOM	NMIL	2	0.004650	0.009300
53	B200110279	BOM	NMIL	3	0.004650	0.013950
54	B200110282	BOM	NMIL	4	0.004650	0.018600
55	B200110311	BOM	NMIL	1	0.004650	0.004650
56	B200110487	BOM	NMIL	1	0.004650	0.004650
57	B200110493	BOM	NMIL	3	0.005115	0.015345
58	B200110494	BOM	NMIL	2	0.004650	0.009300
59	B200110498	BOM	NMIL	1	0.004650	0.004650
60	B200110502	BOM	NMIL	1	0.004650	0.004650
61	B200110506	BOM	NMIL	2	0.004650	0.009300
62	B200110508	BOM	NMIL	1	0.004650	0.004650
63	B200110523	BOM	NMIL	1	0.004650	0.004650
64	B200110524	BOM	NMIL	1	0.004650	0.004650

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65	B200110525	BOM	NMIL	1	0.004650	0.004650
66	B200110608	BOM	NMIL	3	0.007440	0.022320
67	B200110660	BOM	NMIL	1	0.004650	0.004650
68	B200110668	BOM	NMIL	1	0.004650	0.004650
69	B200120015	BOM	NMIL	1	0.007557	0.007557
70	B200120160	BOM	NMIL	1	0.005425	0.005425
71	B200120168	BOM	NMIL	1	0.007735	0.007735
72	B200160022	BOM	NMIL	1	0.065000	0.065000
73	B200170021	BOM	NMIL	3	0.004875	0.014625
74	B200170031	BOM	NMIL	3	0.004875	0.014625
75	B200180005	BOM	N/A	1	0.009769	0.009769
76	B200180015	BOM	N/A	1	0.008923	0.008923
77	B200190022	BOM	N/A	2	0.015889	0.031778
78	B200190024	BOM	N/A	1	0.015889	0.015889
79	B200200012	BOM	N/A	1	0.009203	0.009203
80	B200200017	BOM	N/A	12	0.011856	0.142272
81	B200200053	BOM	N/A	2	0.014056	0.028112
82	B200200060	BOM	N/A	1	0.012930	0.012930
83	B200200062	BOM	N/A	1	0.007791	0.007791
84	B200200064	BOM	N/A	1	0.008470	0.008470
85	B200200069	BOM	N/A	1	0.006575	0.006575
86	B200200093	BOM	N/A	6	0.018108	0.108648
87	B200200095	BOM	N/A	2	0.016657	0.033314
88	B200200096	BOM	N/A	4	0.008147	0.032588
89	B200220021	BOM	N/A	1	0.002337	0.002337
90	B200220042	BOM	N/A	1	0.002416	0.002416
91	B200220043	BOM	N/A	2	0.002416	0.004832
92	B200220054	BOM	N/A	2	0.003478	0.006956
93	B200230036	BOM	N/A	1	0.036568	0.036568
94	B200230100	BOM	N/A	1	0.042144	0.042144
95	B200230143	BOM	N/A	1	0.031921	0.031921
96	B200230281	BOM	N/A	1	0.024160	0.024160
97	B200230313	BOM	N/A	2	0.121067	0.242134
98	B200230336	BOM	N/A	2	0.018396	0.036792
99	B200230338	BOM	N/A	2	0.021090	0.042180
100	B200230356	BOM	N/A	6	0.031921	0.191526
101	B200250009	BOM	NMIL	1	0.016768	0.016768
102	B200260125	BOM	NMIL	1	0.019867	0.019867
103	B200260228	BOM	NMIL	1	0.019867	0.019867

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104	B200260231	BOM	NMIL	1	0.019867	0.019867
105	B200260247	BOM	NMIL	1	0.019867	0.019867
106	B200260248	BOM	NMIL	2	0.019867	0.039734
107	B200280012	BOM	NMIL	1	0.015958	0.015958
108	B200290002	BOM	NMIL	1	0.013740	0.013740
109	B200290011	BOM	NMIL	2	0.013740	0.027480
110	B200300219	BOM	NMIL	1	0.002784	0.002784
111	B200300248	BOM	NMIL	1	0.002784	0.002784
112	B200300264	BOM	NMIL	1	0.018928	0.018928
113	B210140013	BOM	KNOWNFR	2	2.070550	4.141100
114	B210160025	BOM	N/A	1	0.010000	0.010000
115	B210190961	N/A	STANDARD	1	0.016567	0.016567

Total Failure Rate (F/10⁶Hrs) : 9.463029
Mean Time (in hours) Between Failures (MTBF) : **105,674**