



ZIPPY TECHNOLOGY CORP.

Mean Time Between Failures PREDICTION REPORT

MIL-HDBK-217F, Notice 2

Product : Switching Power Supply

Model/Type : P1H-5AD1G(RoHS)(PMBus WP1.2)

Approval By		正式 資料 用 章	
Prepared By			

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 : FEB-07-2020 Time : 11:50:46
End Item Title : P1H SERIES MTBF
End Item Part Number : P1H-5AD1G(RoHS)(PMBus WP1.2)
P1H-5AD1G(RoHS)(PMBus WP1.2) MTBF : 147,455
Module Title : ZIPPY TECHNOLOGY CORP
Module Part Number : P1H / MTBF
Module Reference Designation : P1H
Environmental Condition : GB
Ambient Temperature: 25°C

P1H-5AD1G(RoHS)(PMBus WP1.2)

ITEM #	Part Number	Ref Desig	Qual Level	Quant	Individual Failure Rate (F/10 ⁶ Hrs)	Total Failure Rate (F/10 ⁶ Hrs)
1	B102710132	BOM	SPECIAL	1	0.450732	0.450732
2	B103210004	BOM	SPECIAL	1	0.033835	0.033835
3	B104430007	BOM	SPECIAL	1	0.259934	0.259934
4	B104430015	BOM	SPECIAL	1	0.086128	0.086128
5	B105530002	BOM	SPECIAL	1	0.098741	0.098741
6	B106490002	BOM	SPECIAL	1	0.111570	0.111570
7	B106490003	BOM	SPECIAL	1	0.440116	0.440116
8	B106490004	BOM	SPECIAL	1	0.221327	0.221327
9	B106490005	BOM	SPECIAL	1	0.384753	0.384753
10	B200000242	BOM	NMIL	1	0.015207	0.015207
11	B200000272	BOM	NMIL	1	0.004579	0.004579
12	B200000308	BOM	NMIL	1	0.013289	0.013289
13	B200000321	BOM	NMIL	1	0.007024	0.007024
14	B200000559	BOM	NMIL	1	0.005483	0.005483
15	B200000601	BOM	NMIL	2	0.005806	0.011612
16	B200010009	BOM	NMIL	3	0.000843	0.002529
17	B200010022	BOM	NMIL	4	0.000843	0.003372
18	B200010068	BOM	NMIL	1	0.069762	0.069762
19	B200010087	BOM	NMIL	1	0.009694	0.009694
20	B200010192	BOM	NMIL	1	0.009694	0.009694
21	B200010235	BOM	NMIL	4	0.065527	0.262108
22	B200010243	BOM	NMIL	12	0.072168	0.866016
23	B200010253	BOM	NMIL	3	0.065527	0.196581
24	B200010270	BOM	NMIL	1	0.000652	0.000652

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25	B200020034	BOM	NMIL	1	0.002941	0.002941
26	B200020037	BOM	NMIL	8	0.000424	0.003392
27	B200030069	BOM	NMIL	1	0.001906	0.001906
28	B200030077	BOM	NMIL	1	0.001224	0.001224
29	B200040063	BOM	NMIL	1	0.015829	0.015829
30	B200040073	BOM	NMIL	1	0.011646	0.011646
31	B200040104	BOM	NMIL	1	0.003751	0.003751
32	B200040133	BOM	NMIL	1	0.011646	0.011646
33	B200050081	BOM	NMIL	5	0.003013	0.015065
34	B200050085	BOM	NMIL	2	0.003013	0.006026
35	B200050088	BOM	NMIL	4	0.003013	0.012052
36	B200060029	BOM	NMIL	1	0.013678	0.013678
37	B200110035	BOM	NMIL	1	0.002896	0.002896
38	B200110046	BOM	NMIL	9	0.002896	0.026064
39	B200110127	BOM	NMIL	4	0.003039	0.012156
40	B200110149	BOM	NMIL	3	0.002896	0.008688
41	B200110303	BOM	NMIL	2	0.003039	0.006078
42	B200110317	BOM	NMIL	1	0.002896	0.002896
43	B200110336	BOM	NMIL	1	0.002032	0.002032
44	B200110348	BOM	NMIL	1	0.002896	0.002896
45	B200110473	BOM	NMIL	4	0.002896	0.011584
46	B200110573	BOM	NMIL	2	0.002319	0.004638
47	B200110583	BOM	NMIL	2	0.002210	0.004420
48	B200110715	BOM	NMIL	5	0.002896	0.014480
49	B200110729	BOM	NMIL	4	0.002026	0.008104
50	B200110733	BOM	NMIL	17	0.002026	0.034442
51	B200110734	BOM	NMIL	1	0.002026	0.002026
52	B200110738	BOM	NMIL	10	0.002026	0.020260
53	B200110739	BOM	NMIL	2	0.002026	0.004052
54	B200110741	BOM	NMIL	2	0.002026	0.004052
55	B200110789	BOM	NMIL	1	0.002210	0.002210
56	B200110807	BOM	NMIL	1	0.002026	0.002026
57	B200110808	BOM	NMIL	3	0.002026	0.006078
58	B200110811	BOM	NMIL	1	0.002026	0.002026
59	B200110812	BOM	NMIL	2	0.002026	0.004052
60	B200110814	BOM	NMIL	3	0.002026	0.006078
61	B200110816	BOM	NMIL	1	0.002026	0.002026
62	B200110830	BOM	NMIL	1	0.002026	0.002026
63	B200110831	BOM	NMIL	1	0.002026	0.002026
64	B200110834	BOM	NMIL	1	0.002026	0.002026

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65	B200110845	BOM	NMIL	2	0.002026	0.004052
66	B200110848	BOM	NMIL	1	0.002026	0.002026
67	B200110854	BOM	NMIL	3	0.002026	0.006078
68	B200110862	BOM	NMIL	1	0.002835	0.002835
69	B200120170	BOM	NMIL	1	0.005001	0.005001
70	B200160017	BOM	NMIL	1	0.004760	0.004760
71	B200160022	BOM	NMIL	1	0.009218	0.009218
72	B200160030	BOM	NMIL	1	0.027833	0.027833
73	B200170018	BOM	NMIL	6	0.003177	0.019062
74	B200170026	BOM	NMIL	4	0.002840	0.011360
75	B200170029	BOM	NMIL	2	0.003721	0.007442
76	B200180094	BOM	NMIL	1	0.001723	0.001723
77	B200180108	BOM	NMIL	1	0.001974	0.001974
78	B200190038	BOM	NMIL	1	0.011714	0.011714
79	B200190072	BOM	NMIL	1	0.010940	0.010940
80	B200200075	BOM	NMIL	2	0.009676	0.019352
81	B200200092	BOM	NMIL	3	0.009620	0.028860
82	B200200094	BOM	NMIL	1	0.004508	0.004508
83	B200200123	BOM	NMIL	1	0.003413	0.003413
84	B200200142	BOM	NMIL	3	0.007306	0.021918
85	B200200143	BOM	NMIL	2	0.004199	0.008398
86	B200200204	BOM	NMIL	2	0.007306	0.014612
87	B200200205	BOM	NMIL	4	0.007820	0.031280
88	B200200207	BOM	NMIL	1	0.005166	0.005166
89	B200200208	BOM	NMIL	10	0.006356	0.063560
90	B200200213	BOM	NMIL	1	0.003924	0.003924
91	B200220021	BOM	NMIL	1	0.003440	0.003440
92	B200220082	BOM	NMIL	3	0.001208	0.003624
93	B200220087	BOM	NMIL	2	0.001125	0.002250
94	B200230210	BOM	NMIL	1	0.009001	0.009001
95	B200230281	BOM	NMIL	1	0.006574	0.006574
96	B200230288	BOM	NMIL	1	0.001165	0.001165
97	B200230338	BOM	NMIL	2	0.001978	0.003956
98	B200230378	BOM	NMIL	2	0.008607	0.017214
99	B200230469	BOM	NMIL	4	0.016249	0.064996
100	B200230491	BOM	NMIL	1	0.016249	0.016249
101	B200230497	BOM	NMIL	3	0.010179	0.030537
102	B200230548	BOM	NMIL	1	0.026105	0.026105
103	B200250009	BOM	NMIL	1	0.000205	0.000205
104	B200250016	BOM	NMIL	2	0.000245	0.000490

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105	B200260407	BOM	NMIL	1	0.000251	0.000251
106	B200260427	BOM	NMIL	1	0.000221	0.000221
107	B200260431	BOM	NMIL	1	0.000251	0.000251
108	B200260434	BOM	NMIL	1	0.000219	0.000219
109	B200260440	BOM	NMIL	1	0.000223	0.000223
110	B200280012	BOM	NMIL	1	0.000623	0.000623
111	B200290011	BOM	NMIL	2	0.002901	0.005802
112	B200290015	BOM	NMIL	2	0.011159	0.022318
113	B200300476	BOM	NMIL	1	0.007896	0.007896
114	B200300522	BOM	NMIL	1	0.082262	0.082262
115	B200310025	BOM	NMIL	1	0.005232	0.005232
116	B200330002	BOM	NMIL	2	0.015429	0.030858
117	B200370005	BOM	NMIL	1	0.001091	0.001091
118	B200370090	BOM	NMIL	1	0.001528	0.001528
119	B210060136	BOM	NMIL	1	0.024396	0.024396
120	B210090259	BOM	SPECIAL	1	2.182912	2.182912
121	B210160025	BOM	NMIL	1	0.010000	0.010000
122	B210192851	BOM	NMIL	1	0.000429	0.000429
123	B210193117	BOM	NMIL	1	0.022173	0.022173

Total Failure Rate (F/10⁶Hrs) : 6.781732
Mean Time (in hours) Between Failures (MTBF) : 147,455