



ZIPPY TECHNOLOGY CORP.

Mean Time Between Failures PREDICTION REPORT

MIL-HDBK-217F, Notice 2

Product : Switching Power Supply

Model/Type : S1U-2AF0T2(RoHS)(PMBus WP1.2)

Approval By	<i>Wei Di Huang</i>	正式 資料 用 章	
Prepared By	<i>Jain Huan Lin</i>		

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 : MAR-06-2023 Time : 16:38:28
End Item Title : S1U SERIES MTBF
End Item Part Number : S1U-2AF0T2(RoHS)(PMBus WP1.2)
S1U-2AF0T2(RoHS)(PMBus WP1.2) MTBF : 130,877
Module Title : ZIPPY TECHNOLOGY CORP
Module Part Number : S1U / MTBF
Module Reference Designation : S1U
Environmental Condition : GB
Ambient Temperature: 25°C

S1U-2AF0T2(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	B106020040	BOM	SPECIAL	1	0.255002	0.255002
2	B106020041	BOM	SPECIAL	1	1.146475	1.146475
3	B106920003	BOM	SPECIAL	1	1.483021	1.483021
4	B106920005	BOM	SPECIAL	1	0.360723	0.360723
5	B106920006	BOM	SPECIAL	1	0.433125	0.433125
6	B200000582	BOM	NMIL	1	0.009454	0.009454
7	B200000640	BOM	NMIL	3	0.006522	0.019566
8	B200000641	BOM	NMIL	2	0.008063	0.016126
9	B200010192	BOM	NMIL	1	0.009694	0.009694
10	B200010261	BOM	NMIL	1	0.000689	0.000689
11	B200010262	BOM	NMIL	1	0.072168	0.072168
12	B200010263	BOM	NMIL	1	0.002333	0.002333
13	B200010276	BOM	NMIL	4	0.065527	0.262108
14	B200010299	BOM	NMIL	2	0.073390	0.146780
15	B200010342	BOM	NMIL	1	0.000652	0.000652
16	B200010343	BOM	NMIL	1	0.000652	0.000652
17	B200020050	BOM	NMIL	1	0.002071	0.002071
18	B200030115	BOM	NMIL	2	0.000712	0.001424
19	B200040062	BOM	NMIL	1	0.001242	0.001242
20	B200040141	BOM	NMIL	13	0.008485	0.110305
21	B200040142	BOM	NMIL	1	0.011646	0.011646
22	B200040191	BOM	NMIL	1	0.018259	0.018259
23	B200050070	BOM	NMIL	1	0.003013	0.003013
24	B200050082	BOM	NMIL	1	0.003013	0.003013

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25	B200050090	BOM	NMIL	2	0.003013	0.006026
26	B200050094	BOM	NMIL	2	0.003013	0.006026
27	B200090055	BOM	NMIL	1	0.001476	0.001476
28	B200110001	BOM	NMIL	2	0.002896	0.005792
29	B200110042	BOM	NMIL	6	0.002210	0.013260
30	B200110046	BOM	NMIL	2	0.002896	0.005792
31	B200110120	BOM	NMIL	1	0.002896	0.002896
32	B200110198	BOM	NMIL	1	0.002896	0.002896
33	B200110223	BOM	NMIL	3	0.003039	0.009117
34	B200110325	BOM	NMIL	1	0.002896	0.002896
35	B200110508	BOM	NMIL	2	0.002210	0.004420
36	B200110512	BOM	NMIL	6	0.002210	0.013260
37	B200110523	BOM	NMIL	1	0.002210	0.002210
38	B200110573	BOM	NMIL	4	0.002319	0.009276
39	B200110574	BOM	NMIL	6	0.002319	0.013914
40	B200110629	BOM	NMIL	4	0.002319	0.009276
41	B200110695	BOM	NMIL	3	0.003716	0.011148
42	B200110727	BOM	NMIL	2	0.002210	0.004420
43	B200110732	BOM	NMIL	2	0.002026	0.004052
44	B200110733	BOM	NMIL	7	0.002026	0.014182
45	B200110737	BOM	NMIL	1	0.002210	0.002210
46	B200110739	BOM	NMIL	6	0.002026	0.012156
47	B200110743	BOM	NMIL	1	0.002026	0.002026
48	B200110744	BOM	NMIL	2	0.002026	0.004052
49	B200110745	BOM	NMIL	1	0.002026	0.002026
50	B200110771	BOM	NMIL	1	0.002026	0.002026
51	B200110775	BOM	NMIL	1	0.002026	0.002026
52	B200110789	BOM	NMIL	6	0.002210	0.013260
53	B200110794	BOM	NMIL	2	0.002026	0.004052
54	B200110800	BOM	NMIL	2	0.002026	0.004052
55	B200110821	BOM	NMIL	1	0.002126	0.002126
56	B200110839	BOM	NMIL	1	0.002126	0.002126
57	B200110848	BOM	NMIL	1	0.002026	0.002026
58	B200111014	BOM	NMIL	1	0.002026	0.002026
59	B200111107	BOM	NMIL	3	0.003716	0.011148
60	B200120204	BOM	NMIL	1	0.003637	0.003637
61	B200160054	BOM	NMIL	1	0.002852	0.002852
62	B200160056	BOM	NMIL	1	0.009711	0.009711
63	B200170029	BOM	NMIL	2	0.003721	0.007442
64	B200170073	BOM	NMIL	1	0.002424	0.002424

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65	B200170074	BOM	NMIL	5	0.002840	0.014200
66	B200170075	BOM	NMIL	1	0.002424	0.002424
67	B200180095	BOM	NMIL	1	0.001907	0.001907
68	B200180105	BOM	NMIL	1	0.001845	0.001845
69	B200190103	BOM	NMIL	1	0.013004	0.013004
70	B200200085	BOM	NMIL	1	0.007553	0.007553
71	B200200117	BOM	NMIL	1	0.005546	0.005546
72	B200200119	BOM	NMIL	1	0.004827	0.004827
73	B200200123	BOM	NMIL	5	0.003413	0.017065
74	B200200141	BOM	NMIL	1	0.007820	0.007820
75	B200200156	BOM	NMIL	3	0.006356	0.019068
76	B200200167	BOM	NMIL	1	0.010356	0.010356
77	B200200171	BOM	NMIL	2	0.003664	0.007328
78	B200200186	BOM	NMIL	1	0.003189	0.003189
79	B200200205	BOM	NMIL	4	0.007820	0.031280
80	B200200207	BOM	NMIL	2	0.005166	0.010332
81	B200200208	BOM	NMIL	2	0.006356	0.012712
82	B200200218	BOM	NMIL	12	0.009620	0.115440
83	B200200219	BOM	NMIL	4	0.005166	0.020664
84	B200220082	BOM	NMIL	1	0.001208	0.001208
85	B200220086	BOM	NMIL	2	0.001208	0.002416
86	B200220089	BOM	NMIL	2	0.001253	0.002506
87	B200230524	BOM	NMIL	1	0.001803	0.001803
88	B200230537	BOM	NMIL	4	0.016249	0.064996
89	B200230639	BOM	NMIL	1	0.026105	0.026105
90	B200260411	BOM	NMIL	1	0.000251	0.000251
91	B200260428	BOM	NMIL	1	0.000251	0.000251
92	B200260498	BOM	NMIL	1	0.000251	0.000251
93	B200270023	BOM	NMIL	1	0.000227	0.000227
94	B200280012	BOM	NMIL	1	0.000623	0.000623
95	B200290024	BOM	NMIL	2	0.011159	0.022318
96	B200310028	BOM	NMIL	1	0.004075	0.004075
97	B200340083	BOM	NMIL	1	0.142937	0.142937
98	B210000120	BOM	NMIL	3	0.002027	0.006081
99	B210000121	BOM	NMIL	1	0.001858	0.001858
100	B210060136	BOM	NMIL	1	0.015494	0.015494
101	B210090336	BOM	SPECIAL	1	2.276868	2.276868
102	B210160078	BOM	NMIL	1	0.010000	0.010000
103	B210191722	BOM	NMIL	1	0.000429	0.000429
104	B210193338	BOM	NMIL	1	0.097031	0.097031

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105	B210193637	BOM	NMIL	1	0.051203	0.051203

Total Failure Rate (F/10⁶Hrs) : 7.640771
Mean Time (in hours) Between Failures (MTBF) : 130,877