



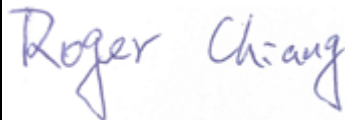
ZIPPY TECHNOLOGY CORP.

Mean Time Between Failures PREDICTION REPORT

MIL-HDBK-217F, Notice 2

Product : Switching Power Supply

Model/Type : ZRH-2CB0K2(RoHS)(PMBus WP1.2)

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 : DEC-24-2021 Time : 15:17:38
End Item Title : ZRH SERIES MTBF
End Item Part Number : ZRH-2CB0K2(RoHS)(PMBus WP1.2)
ZRH-2CB0K2(RoHS)(PMBus WP1.2) MTBF : 145,437
Module Title : ZIPPY TECHNOLOGY CORP
Module Part Number : ZRH / MTBF
Module Reference Designation : ZRH
Environmental Condition : GB
Ambient Temperature: 25°C

ZRH-2CB0K2(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	B105950008	BOM	SPECIAL	1	0.150631	0.150631
2	B106310034	BOM	SPECIAL	1	0.062714	0.062714
3	B106310037	BOM	SPECIAL	1	1.621830	1.621830
4	B106310039	BOM	SPECIAL	1	0.662993	0.662993
5	B106310040	BOM	SPECIAL	1	0.018806	0.018806
6	B200000558	BOM	NMIL	1	0.005248	0.005248
7	B200000601	BOM	NMIL	2	0.005806	0.011612
8	B200000603	BOM	NMIL	1	0.005248	0.005248
9	B200000637	BOM	NMIL	1	0.006974	0.006974
10	B200000638	BOM	NMIL	1	0.013289	0.013289
11	B200010052	BOM	NMIL	2	0.000627	0.001254
12	B200010109	BOM	NMIL	2	0.000627	0.001254
13	B200010167	BOM	NMIL	1	0.000648	0.000648
14	B200010249	BOM	NMIL	1	0.000540	0.000540
15	B200010260	BOM	NMIL	1	0.000585	0.000585
16	B200010276	BOM	NMIL	4	0.094254	0.377016
17	B200010282	BOM	NMIL	2	0.094254	0.188508
18	B200010325	BOM	NMIL	6	0.072168	0.433008
19	B200020016	BOM	NMIL	4	0.000647	0.002588
20	B200020024	BOM	NMIL	1	0.000424	0.000424
21	B200020045	BOM	NMIL	2	0.001228	0.002456
22	B200030069	BOM	NMIL	2	0.001906	0.003812
23	B200030119	BOM	NMIL	1	0.000712	0.000712
24	B200040065	BOM	NMIL	2	0.011646	0.023292

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ITEM #	Part Number	Ref Desig	Qual Level	Quant	Individual Failure Rate (F/10 ⁶ Hrs)	Total Failure Rate (F/10 ⁶ Hrs)
25	B200040073	BOM	NMIL	8	0.011646	0.093168
26	B200040108	BOM	NMIL	1	0.011646	0.011646
27	B200040151	BOM	NMIL	1	0.008485	0.008485
28	B200040157	BOM	NMIL	1	0.005395	0.005395
29	B200050083	BOM	NMIL	2	0.003013	0.006026
30	B200050084	BOM	NMIL	4	0.003013	0.012052
31	B200060029	BOM	NMIL	1	0.013160	0.013160
32	B200090005	BOM	NMIL	1	0.001476	0.001476
33	B200110006	BOM	NMIL	2	0.002896	0.005792
34	B200110042	BOM	NMIL	6	0.002210	0.013260
35	B200110046	BOM	NMIL	4	0.002896	0.011584
36	B200110095	BOM	NMIL	2	0.002896	0.005792
37	B200110123	BOM	NMIL	4	0.002210	0.008840
38	B200110128	BOM	NMIL	1	0.001551	0.001551
39	B200110190	BOM	NMIL	1	0.002896	0.002896
40	B200110202	BOM	NMIL	1	0.002896	0.002896
41	B200110223	BOM	NMIL	4	0.003039	0.012156
42	B200110227	BOM	NMIL	1	0.002896	0.002896
43	B200110235	BOM	NMIL	2	0.002896	0.005792
44	B200110282	BOM	NMIL	1	0.002896	0.002896
45	B200110309	BOM	NMIL	2	0.002896	0.005792
46	B200110313	BOM	NMIL	1	0.002896	0.002896
47	B200110325	BOM	NMIL	2	0.002896	0.005792
48	B200110441	BOM	NMIL	1	0.002896	0.002896
49	B200110490	BOM	NMIL	1	0.002210	0.002210
50	B200110501	BOM	NMIL	1	0.002210	0.002210
51	B200110524	BOM	NMIL	1	0.002210	0.002210
52	B200110574	BOM	NMIL	1	0.002319	0.002319
53	B200110635	BOM	NMIL	2	0.002210	0.004420
54	B200110652	BOM	NMIL	1	0.002210	0.002210
55	B200110733	BOM	NMIL	1	0.002026	0.002026
56	B200110743	BOM	NMIL	1	0.002026	0.002026
57	B200110864	BOM	NMIL	1	0.002026	0.002026
58	B200160060	BOM	NMIL	1	0.008611	0.008611
59	B200170033	BOM	NMIL	3	0.003177	0.009531
60	B200170057	BOM	NMIL	6	0.003177	0.019062
61	B200170064	BOM	NMIL	1	0.009270	0.009270
62	B200180095	BOM	NMIL	1	0.001907	0.001907
63	B200180097	BOM	NMIL	1	0.002048	0.002048
64	B200180098	BOM	NMIL	1	0.001845	0.001845

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ITEM #	Part Number	Ref Desig	Qual Level	Quant	Individual Failure Rate (F/10 ⁶ Hrs)	Total Failure Rate (F/10 ⁶ Hrs)
65	B200190065	BOM	NMIL	1	0.010191	0.010191
66	B200190098	BOM	NMIL	1	0.004493	0.004493
67	B200200057	BOM	NMIL	2	0.008988	0.017976
68	B200200070	BOM	NMIL	1	0.007077	0.007077
69	B200200092	BOM	NMIL	2	0.009620	0.019240
70	B200200126	BOM	NMIL	2	0.010356	0.020712
71	B200200156	BOM	NMIL	2	0.006356	0.012712
72	B200200166	BOM	NMIL	2	0.006824	0.013648
73	B200200204	BOM	NMIL	3	0.007306	0.021918
74	B200200208	BOM	NMIL	1	0.006356	0.006356
75	B200200221	BOM	NMIL	2	0.008988	0.017976
76	B200210007	BOM	NMIL	1	0.021267	0.021267
77	B200220010	BOM	NMIL	1	0.003943	0.003943
78	B200220082	BOM	NMIL	4	0.001208	0.004832
79	B200230342	BOM	NMIL	1	0.004314	0.004314
80	B200230537	BOM	NMIL	1	0.023373	0.023373
81	B200230589	BOM	NMIL	3	0.026755	0.080265
82	B200230629	BOM	NMIL	1	0.040355	0.040355
83	B200250018	BOM	NMIL	1	0.000332	0.000332
84	B200260407	BOM	NMIL	1	0.000361	0.000361
85	B200260439	BOM	NMIL	1	0.000361	0.000361
86	B200280012	BOM	NMIL	1	0.000623	0.000623
87	B200290011	BOM	NMIL	2	0.002901	0.005802
88	B200300315	BOM	NMIL	1	0.072154	0.072154
89	B200300458	BOM	NMIL	1	0.011905	0.011905
90	B200300566	BOM	NMIL	1	0.043012	0.043012
91	B200310010	BOM	NMIL	1	0.013170	0.013170
92	B200360088	BOM	NMIL	1	0.001807	0.001807
93	B200370116	BOM	NMIL	1	0.001196	0.001196
94	B210060181	BOM	NMIL	1	0.034771	0.034771
95	B210090290	BOM	SPECIAL	1	2.385440	2.385440
96	B210160078	BOM	NMIL	1	0.010000	0.010000
97	B210193503	BOM	NMIL	1	0.046214	0.046214
98	B210193512	BOM	NMIL	1	0.003548	0.003548

Total Failure Rate (F/10⁶Hrs) : 6.875852
Mean Time (in hours) Between Failures (MTBF) : 145,437