



ZIPPY TECHNOLOGY CORP.

Mean Time Between Failures

PREDICTION REPORT

MIL-HDBK-217F, Notice 2

Product : Switching Power Supply

Model/Type : ZRH-2B00K2(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 : MAY-19-2020 Time : 15:30:24
End Item Title : ZRH SERIES MTBF
End Item Part Number : ZRH-2B00K2(RoHS)(PMBus WP1.2)
ZRH-2B00K2(RoHS)(PMBus WP1.2) MTBF : 142,196
Module Title : ZIPPY TECHNOLOGY CORP
Module Part Number : ZRH / MTBF
Module Reference Designation : ZRH
Environmental Condition : GB
Ambient Temperature: 25°C

ZRH-2B00K2(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	B106020029	BOM	SPECIAL	1	1.399484	1.399484
2	B106020030	BOM	SPECIAL	1	1.290811	1.290811
3	B106020031	BOM	SPECIAL	1	0.357649	0.357649
4	B200000582	BOM	NMIL	1	0.012722	0.012722
5	B200000641	BOM	NMIL	2	0.006522	0.013044
6	B200000694	BOM	NMIL	3	0.006522	0.019566
7	B200010052	BOM	NMIL	1	0.000337	0.000337
8	B200010109	BOM	NMIL	1	0.000723	0.000723
9	B200010192	BOM	NMIL	1	0.008014	0.008014
10	B200010261	BOM	NMIL	1	0.000290	0.000290
11	B200010262	BOM	NMIL	1	0.012629	0.012629
12	B200010263	BOM	NMIL	1	0.001343	0.001343
13	B200010273	BOM	NMIL	6	0.012629	0.075774
14	B200010274	BOM	NMIL	2	0.088173	0.176346
15	B200010275	BOM	NMIL	4	0.088173	0.352692
16	B200020039	BOM	NMIL	1	0.002332	0.002332
17	B200030115	BOM	NMIL	2	0.002308	0.004616
18	B200040062	BOM	NMIL	1	0.000870	0.000870
19	B200040141	BOM	NMIL	13	0.000253	0.003289
20	B200040142	BOM	NMIL	1	0.011646	0.011646
21	B200040157	BOM	NMIL	1	0.004351	0.004351
22	B200050070	BOM	NMIL	1	0.003013	0.003013
23	B200050082	BOM	NMIL	1	0.003013	0.003013
24	B200050090	BOM	NMIL	2	0.003013	0.006026

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25	B200050094	BOM	NMIL	2	0.003013	0.006026
26	B200060024	BOM	NMIL	1	0.021049	0.021049
27	B200090055	BOM	NMIL	1	0.001476	0.001476
28	B200110042	BOM	NMIL	6	0.002210	0.013260
29	B200110046	BOM	NMIL	2	0.002896	0.005792
30	B200110120	BOM	NMIL	1	0.002896	0.002896
31	B200110198	BOM	NMIL	1	0.002896	0.002896
32	B200110223	BOM	NMIL	3	0.003039	0.009117
33	B200110325	BOM	NMIL	1	0.002896	0.002896
34	B200110346	BOM	NMIL	1	0.002896	0.002896
35	B200110470	BOM	NMIL	3	0.003716	0.011148
36	B200110508	BOM	NMIL	1	0.002210	0.002210
37	B200110512	BOM	NMIL	6	0.002210	0.013260
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	B200110727	BOM	NMIL	2	0.002210	0.004420
42	B200110732	BOM	NMIL	2	0.002026	0.004052
43	B200110733	BOM	NMIL	8	0.002026	0.016208
44	B200110737	BOM	NMIL	1	0.002210	0.002210
45	B200110739	BOM	NMIL	7	0.002026	0.014182
46	B200110743	BOM	NMIL	1	0.002026	0.002026
47	B200110744	BOM	NMIL	2	0.002026	0.004052
48	B200110771	BOM	NMIL	1	0.002026	0.002026
49	B200110775	BOM	NMIL	1	0.002026	0.002026
50	B200110789	BOM	NMIL	6	0.002210	0.013260
51	B200110794	BOM	NMIL	2	0.002026	0.004052
52	B200110800	BOM	NMIL	2	0.002026	0.004052
53	B200110821	BOM	NMIL	2	0.002126	0.004252
54	B200110850	BOM	NMIL	1	0.002126	0.002126
55	B200110865	BOM	NMIL	1	0.002026	0.002026
56	B200111014	BOM	NMIL	1	0.002026	0.002026
57	B200111107	BOM	NMIL	3	0.003716	0.011148
58	B200120204	BOM	NMIL	1	0.003700	0.003700
59	B200160054	BOM	NMIL	1	0.001469	0.001469
60	B200160056	BOM	NMIL	1	0.008899	0.008899
61	B200170029	BOM	NMIL	2	0.003721	0.007442
62	B200170073	BOM	NMIL	1	0.002424	0.002424
63	B200170074	BOM	NMIL	5	0.002840	0.014200
64	B200170075	BOM	NMIL	1	0.002424	0.002424

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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	B200180105	BOM	NMIL	1	0.001845	0.001845
66	B200180106	BOM	NMIL	1	0.001845	0.001845
67	B200190103	BOM	NMIL	1	0.013004	0.013004
68	B200200085	BOM	NMIL	1	0.007553	0.007553
69	B200200117	BOM	NMIL	1	0.005546	0.005546
70	B200200119	BOM	NMIL	1	0.004827	0.004827
71	B200200123	BOM	NMIL	5	0.003413	0.017065
72	B200200141	BOM	NMIL	1	0.007820	0.007820
73	B200200156	BOM	NMIL	3	0.006356	0.019068
74	B200200167	BOM	NMIL	1	0.009620	0.009620
75	B200200171	BOM	NMIL	2	0.004441	0.008882
76	B200200186	BOM	NMIL	1	0.003189	0.003189
77	B200200205	BOM	NMIL	4	0.007820	0.031280
78	B200200207	BOM	NMIL	1	0.005166	0.005166
79	B200200208	BOM	NMIL	2	0.006356	0.012712
80	B200200217	BOM	NMIL	3	0.006356	0.019068
81	B200200218	BOM	NMIL	15	0.009620	0.144300
82	B200200219	BOM	NMIL	4	0.005166	0.020664
83	B200220082	BOM	NMIL	1	0.001208	0.001208
84	B200220086	BOM	NMIL	2	0.001208	0.002416
85	B200220089	BOM	NMIL	2	0.001208	0.002416
86	B200230524	BOM	NMIL	1	0.002680	0.002680
87	B200230537	BOM	NMIL	4	0.018849	0.075396
88	B200230548	BOM	NMIL	1	0.040041	0.040041
89	B200260411	BOM	NMIL	1	0.026826	0.026826
90	B200260427	BOM	NMIL	1	0.026826	0.026826
91	B200260464	BOM	NMIL	1	0.026826	0.026826
92	B200270026	BOM	NMIL	1	0.020184	0.020184
93	B200280012	BOM	NMIL	1	0.000623	0.000623
94	B200310012	BOM	NMIL	1	0.007040	0.007040
95	B200360074	BOM	NMIL	1	0.001938	0.001938
96	B210000120	BOM	NMIL	3	0.002026	0.006078
97	B210000121	BOM	NMIL	1	0.001565	0.001565
98	B210060136	BOM	NMIL	1	0.024396	0.024396
99	B210090257	BOM	SPECIAL	1	2.276868	2.276868
100	B210160078	BOM	NMIL	1	0.010000	0.010000
101	B210192786	BOM	NMIL	1	0.002468	0.002468
102	B210192811	BOM	NMIL	1	0.095528	0.095528
103	B210193178	BOM	NMIL	1	0.025102	0.025102

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Total Failure Rate (F/10^6Hrs) :	7.032549
Mean Time (in hours) Between Failures (MTBF) :	142,196