



ZIPPY TECHNOLOGY CORP.

Mean Time Between Failures PREDICTION REPORT

MIL-HDBK-217F, Notice 2

Product : Switching Power Supply

Model/Type : ZRE-1AH0K2(RoHS)(PMBus WP1.2)

Approval By	<i>Matthew - Chiu</i>	正式 資料 用 章	A red circular stamp with a double border. Inside, the text '正式資料' (Official Document) is at the top, 'JUN-04-2020' is in the middle, and '研發本部' (R&D Department) is at the bottom.
Prepared By	<i>Tain 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 : JUN-04-2020 Time : 09:33:47
End Item Title : ZRE SERIES MTBF
End Item Part Number : ZRE-1AH0K2(RoHS)(PMBus WP1.2)
ZRE-1AH0K2(RoHS)(PMBus WP1.2) MTBF : 184,400
Module Title : ZIPPY TECHNOLOGY CORP
Module Part Number : ZRE / MTBF
Module Reference Designation : ZRE
Environmental Condition : GB
Ambient Temperature: 25°C

ZRE-1AH0K2(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	B106620002	BOM	SPECIAL	1	0.361969	0.361969
2	B106620003	BOM	SPECIAL	1	0.544935	0.544935
3	B106620004	BOM	SPECIAL	1	1.039715	1.039715
4	B200000601	BOM	NMIL	2	0.005806	0.011612
5	B200000721	BOM	NMIL	1	0.010211	0.010211
6	B200010052	BOM	NMIL	2	0.000627	0.001254
7	B200010253	BOM	NMIL	6	0.065527	0.393162
8	B200010269	BOM	NMIL	2	0.000652	0.001304
9	B200010294	BOM	NMIL	2	0.072168	0.144336
10	B200010296	BOM	NMIL	1	0.001286	0.001286
11	B200020024	BOM	NMIL	1	0.000424	0.000424
12	B200020034	BOM	NMIL	1	0.002941	0.002941
13	B200030069	BOM	NMIL	2	0.001906	0.003812
14	B200030119	BOM	NMIL	1	0.000712	0.000712
15	B200040073	BOM	NMIL	8	0.011646	0.093168
16	B200040171	BOM	NMIL	1	0.018259	0.018259
17	B200050036	BOM	NMIL	1	0.003013	0.003013
18	B200050084	BOM	NMIL	3	0.003013	0.009039
19	B200060037	BOM	NMIL	1	0.009149	0.009149
20	B200090055	BOM	NMIL	1	0.001476	0.001476
21	B200110046	BOM	NMIL	4	0.002896	0.011584
22	B200110095	BOM	NMIL	2	0.002896	0.005792
23	B200110128	BOM	NMIL	1	0.001551	0.001551
24	B200110167	BOM	NMIL	1	0.002896	0.002896

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25	B200110223	BOM	NMIL	4	0.003039	0.012156
26	B200110235	BOM	NMIL	3	0.002896	0.008688
27	B200110298	BOM	NMIL	4	0.002896	0.011584
28	B200110317	BOM	NMIL	1	0.002896	0.002896
29	B200110325	BOM	NMIL	2	0.002896	0.005792
30	B200110471	BOM	NMIL	1	0.002896	0.002896
31	B200110530	BOM	NMIL	1	0.002210	0.002210
32	B200110635	BOM	NMIL	2	0.002210	0.004420
33	B200110729	BOM	NMIL	5	0.002026	0.010130
34	B200110733	BOM	NMIL	7	0.002026	0.014182
35	B200110771	BOM	NMIL	1	0.002026	0.002026
36	B200111007	BOM	NMIL	1	0.002026	0.002026
37	B200111056	BOM	NMIL	1	0.002026	0.002026
38	B200160056	BOM	NMIL	1	0.009711	0.009711
39	B200170018	BOM	NMIL	2	0.003177	0.006354
40	B200170082	BOM	NMIL	3	0.003177	0.009531
41	B200180094	BOM	NMIL	1	0.001723	0.001723
42	B200180095	BOM	NMIL	1	0.001907	0.001907
43	B200180103	BOM	NMIL	1	0.001845	0.001845
44	B200180118	BOM	NMIL	2	0.001605	0.003210
45	B200190065	BOM	NMIL	1	0.010191	0.010191
46	B200190105	BOM	NMIL	1	0.013460	0.013460
47	B200200125	BOM	NMIL	1	0.003924	0.003924
48	B200200126	BOM	NMIL	5	0.010356	0.051780
49	B200200166	BOM	NMIL	2	0.006824	0.013648
50	B200200204	BOM	NMIL	3	0.007306	0.021918
51	B200200208	BOM	NMIL	1	0.006356	0.006356
52	B200200230	BOM	NMIL	3	0.007820	0.023460
53	B200220010	BOM	NMIL	1	0.003943	0.003943
54	B200220082	BOM	NMIL	3	0.001208	0.003624
55	B200220084	BOM	NMIL	2	0.001294	0.002588
56	B200220089	BOM	NMIL	1	0.001253	0.001253
57	B200230568	BOM	NMIL	2	0.016811	0.033622
58	B200230593	BOM	NMIL	1	0.025835	0.025835
59	B200240010	BOM	NMIL	2	0.004594	0.009188
60	B200250062	BOM	NMIL	1	0.000231	0.000231
61	B200250064	BOM	NMIL	1	0.000205	0.000205
62	B200260454	BOM	NMIL	1	0.000231	0.000231
63	B200260465	BOM	NMIL	1	0.000251	0.000251
64	B200260466	BOM	NMIL	1	0.000251	0.000251

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ITEM #	Part Number	Ref Desig	Qual Level	Quant	Individual Failure Rate (F/10^6Hrs)	Total Failure Rate (F/10^6Hrs)
65	B200280012	BOM	NMIL	1	0.000623	0.000623
66	B200290011	BOM	NMIL	2	0.002901	0.005802
67	B200290015	BOM	NMIL	2	0.011159	0.022318
68	B200300532	BOM	NMIL	1	0.038174	0.038174
69	B200310025	BOM	NMIL	1	0.005232	0.005232
70	B200360083	BOM	NMIL	1	0.002189	0.002189
71	B200370051	BOM	NMIL	1	0.001196	0.001196
72	B210060136	BOM	NMIL	1	0.024396	0.024396
73	B210090240	BOM	SPECIAL	1	2.276868	2.276868
74	B210160094	BOM	NMIL	1	0.010000	0.010000
75	B210191722	BOM	NMIL	1	0.000429	0.000429
76	B210193098	BOM	NMIL	1	0.003870	0.003870
77	B210193184	BOM	NMIL	1	0.017022	0.017022

Total Failure Rate (F/10^6Hrs) : 5.422991
Mean Time (in hours) Between Failures (MTBF) : **184,400**