



ZIPPY TECHNOLOGY CORP.

**Mean Time Between Failures
PREDICTION REPORT**

MIL-HDBK-217F, Notice 2

Product : Switching Power Supply

Model/Type : M1R-2800K2(RoHS)(PMBus WP1.2)

Approval By	Jason Yu	正式資料 月章	A red circular stamp with a double border. Inside, the text '正式資料' (Official Document) is at the top, 'MAR-06-2018' is in the middle, and '研發本部' (R&D Department) is at the bottom.
Prepared By	Lin Huan Lin		

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 : MAR-06-2018 Time : 14:04:52
End Item Title : M1R SERIES MTBF
End Item Part Number : M1R-2800K2(RoHS)(PMBus WP1.2)
M1R-2800K2(RoHS)(PMBus WP1.2) MTBF : 183,332
Module Title : ZIPPY TECHNOLOGY CORP
Module Part Number : M1R / MTBF
Module Reference Designation : M1R
Environmental Condition : GB
Ambient Temperature: 25°C

M1R-2800K2(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	B105190088	BOM	SPECIAL	1	0.339641	0.339641
2	B105190091	BOM	SPECIAL	1	0.270313	0.270313
3	B105190092	BOM	SPECIAL	1	0.536205	0.536205
4	B105190093	BOM	SPECIAL	1	0.218347	0.218347
5	B200000627	BOM	NMIL	1	0.008946	0.008946
6	B200000637	BOM	NMIL	1	0.006974	0.006974
7	B200010052	BOM	NMIL	2	0.000337	0.000674
8	B200010109	BOM	NMIL	4	0.000723	0.002892
9	B200010167	BOM	NMIL	2	0.000747	0.001494
10	B200010252	BOM	NMIL	6	0.072168	0.433008
11	B200010253	BOM	NMIL	2	0.065527	0.131054
12	B200010254	BOM	NMIL	2	0.065527	0.131054
13	B200010260	BOM	NMIL	2	0.000674	0.001348
14	B200010262	BOM	NMIL	3	0.072168	0.216504
15	B200020024	BOM	NMIL	1	0.002332	0.002332
16	B200020034	BOM	NMIL	1	0.016175	0.016175
17	B200030069	BOM	NMIL	2	0.002308	0.004616
18	B200030107	BOM	NMIL	1	0.002308	0.002308
19	B200040065	BOM	NMIL	1	0.011646	0.011646
20	B200040073	BOM	NMIL	6	0.011646	0.069876
21	B200040147	BOM	NMIL	1	0.018259	0.018259
22	B200050032	BOM	NMIL	1	0.003013	0.003013
23	B200060030	BOM	NMIL	1	0.009149	0.009149
24	B200090005	BOM	NMIL	1	0.001476	0.001476

ZIPPY TECHNOLOGY CORP.
10F.,No.50,MINQUAN RD.,
XINDIAN DIST.,NEW TAIPEI CITY,TAIWAN,R.O.C.

ITEM #	Part Number	Ref Desig	Qual Level	Quant	Individual Failure Rate (F/10^6Hrs)	Total Failure Rate (F/10^6Hrs)
25	B200110006	BOM	NMIL	2	0.002896	0.005792
26	B200110042	BOM	NMIL	6	0.002210	0.013260
27	B200110128	BOM	NMIL	1	0.001551	0.001551
28	B200110223	BOM	NMIL	4	0.003039	0.012156
29	B200110235	BOM	NMIL	2	0.002896	0.005792
30	B200110279	BOM	NMIL	1	0.002210	0.002210
31	B200110317	BOM	NMIL	1	0.002896	0.002896
32	B200110325	BOM	NMIL	2	0.002896	0.005792
33	B200110490	BOM	NMIL	1	0.002210	0.002210
34	B200110496	BOM	NMIL	1	0.002210	0.002210
35	B200110501	BOM	NMIL	1	0.002210	0.002210
36	B200110503	BOM	NMIL	1	0.002210	0.002210
37	B200110550	BOM	NMIL	2	0.002210	0.004420
38	B200110574	BOM	NMIL	1	0.002319	0.002319
39	B200110635	BOM	NMIL	2	0.002210	0.004420
40	B200110652	BOM	NMIL	1	0.002210	0.002210
41	B200110733	BOM	NMIL	1	0.002026	0.002026
42	B200110737	BOM	NMIL	2	0.002210	0.004420
43	B200110743	BOM	NMIL	1	0.002026	0.002026
44	B200110789	BOM	NMIL	1	0.002210	0.002210
45	B200110864	BOM	NMIL	1	0.002026	0.002026
46	B200111088	BOM	NMIL	1	0.002896	0.002896
47	B200111099	BOM	NMIL	2	0.002210	0.004420
48	B200160022	BOM	NMIL	1	0.009711	0.009711
49	B200170018	BOM	NMIL	2	0.003177	0.006354
50	B200170069	BOM	NMIL	3	0.003177	0.009531
51	B200180092	BOM	NMIL	1	0.001845	0.001845
52	B200180095	BOM	NMIL	2	0.001907	0.003814
53	B200190065	BOM	NMIL	1	0.010191	0.010191
54	B200190100	BOM	NMIL	1	0.013004	0.013004
55	B200200070	BOM	NMIL	1	0.007077	0.007077
56	B200200083	BOM	NMIL	1	0.004199	0.004199
57	B200200092	BOM	NMIL	23	0.009620	0.221260
58	B200200126	BOM	NMIL	2	0.010356	0.020712
59	B200200156	BOM	NMIL	2	0.006356	0.012712
60	B200200204	BOM	NMIL	1	0.007306	0.007306
61	B200200205	BOM	NMIL	1	0.007820	0.007820
62	B200200208	BOM	NMIL	1	0.006356	0.006356
63	B200210007	BOM	NMIL	1	0.021267	0.021267
64	B200220010	BOM	NMIL	1	0.003943	0.003943

ZIPPY TECHNOLOGY CORP.
10F.,No.50,MINQUAN RD.,
XINDIAN DIST.,NEW TAIPEI CITY,TAIWAN,R.O.C.

ITEM #	Part Number	Ref Desig	Qual Level	Quant	Individual Failure Rate (F/10^6Hrs)	Total Failure Rate (F/10^6Hrs)
65	B200220073	BOM	NMIL	1	0.002605	0.002605
66	B200220074	BOM	NMIL	1	0.002117	0.002117
67	B200220082	BOM	NMIL	5	0.001208	0.006040
68	B200230354	BOM	NMIL	2	0.011573	0.023146
69	B200230542	BOM	NMIL	2	0.022086	0.044172
70	B200240010	BOM	NMIL	2	0.004594	0.009188
71	B200250018	BOM	NMIL	1	0.015652	0.015652
72	B200260332	BOM	NMIL	1	0.025995	0.025995
73	B200260401	BOM	NMIL	1	0.019936	0.019936
74	B200280012	BOM	NMIL	1	0.000623	0.000623
75	B200290015	BOM	NMIL	2	0.011159	0.022318
76	B200300480	BOM	NMIL	1	0.030704	0.030704
77	B200300481	BOM	NMIL	1	0.004799	0.004799
78	B200310019	BOM	NMIL	1	0.005232	0.005232
79	B200370051	BOM	NMIL	1	0.001196	0.001196
80	B200370085	BOM	NMIL	1	0.001196	0.001196
81	B210060136	BOM	NMIL	1	0.024396	0.024396
82	B210090240	BOM	SPECIAL	1	2.276868	2.276868
83	B210160002	BOM	NMIL	1	0.010000	0.010000
84	B210192701	BOM	NMIL	1	0.031846	0.031846
85	B210192704	BOM	NMIL	1	0.000482	0.000482

Total Failure Rate (F/10^6Hrs) : 5.454599
Mean Time (in hours) Between Failures (MTBF) : **183,332**