



ZIPPY TECHNOLOGY CORP.

**Mean Time Between Failures
PREDICTION REPORT**

MIL-HDBK-217F, Notice 2

Product : Switching Power Supply

Model/Type : M1K-2AE0K2(RoHS)(PMBus WP1.2)

Approval By	<i>Matthew - Chou</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, 'MAR-21-2018' is in the middle, and '研發本部' (R&D Department) is at the bottom.
Prepared By	<i>Jain Huan Lin</i>		

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-21-2018 Time : 09:17:53
End Item Title : M1K SERIES MTBF
End Item Part Number : M1K-2AE0K2(RoHS)(PMBus WP1.2)
M1K-2AE0K2(RoHS)(PMBus WP1.2) MTBF : 173,278
Module Title : ZIPPY TECHNOLOGY CORP
Module Part Number : M1K / MTBF
Module Reference Designation : M1K
Environmental Condition : GB
Ambient Temperature: 25°C

M1K-2AE0K2(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	B102330005	BOM	SPECIAL	1	0.089124	0.089124
2	B106040004	BOM	SPECIAL	1	0.603179	0.603179
3	B106040005	BOM	SPECIAL	1	0.292977	0.292977
4	B106040006	BOM	SPECIAL	1	0.064105	0.064105
5	B106040007	BOM	SPECIAL	1	0.169055	0.169055
6	B106040011	BOM	SPECIAL	1	0.284956	0.284956
7	B106040013	BOM	SPECIAL	1	0.261338	0.261338
8	B106040015	BOM	SPECIAL	1	0.222399	0.222399
9	B200000001	BOM	NMIL	1	0.013289	0.013289
10	B200000296	BOM	NMIL	1	0.005248	0.005248
11	B200000333	BOM	NMIL	1	0.005806	0.005806
12	B200000364	BOM	NMIL	1	0.020588	0.020588
13	B200000601	BOM	NMIL	2	0.005806	0.011612
14	B200010052	BOM	NMIL	3	0.000337	0.001011
15	B200010091	BOM	NMIL	1	0.036974	0.036974
16	B200010109	BOM	NMIL	3	0.000723	0.002169
17	B200010235	BOM	NMIL	4	0.069459	0.277836
18	B200010253	BOM	NMIL	3	0.069459	0.208377
19	B200020017	BOM	NMIL	2	0.002332	0.004664
20	B200020024	BOM	NMIL	2	0.002332	0.004664
21	B200020034	BOM	NMIL	1	0.016175	0.016175
22	B200030037	BOM	NMIL	2	0.002308	0.004616
23	B200030107	BOM	NMIL	1	0.002308	0.002308
24	B200040065	BOM	NMIL	1	0.011646	0.011646

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25	B200040073	BOM	NMIL	7	0.011646	0.081522
26	B200040083	BOM	NMIL	1	0.016779	0.016779
27	B200040104	BOM	NMIL	1	0.003174	0.003174
28	B200040110	BOM	NMIL	1	0.001088	0.001088
29	B200050024	BOM	NMIL	1	0.004016	0.004016
30	B200050032	BOM	NMIL	5	0.003013	0.015065
31	B200050083	BOM	NMIL	2	0.003013	0.006026
32	B200060030	BOM	NMIL	2	0.007108	0.014216
33	B200090005	BOM	NMIL	1	0.001476	0.001476
34	B200110006	BOM	NMIL	2	0.002896	0.005792
35	B200110042	BOM	NMIL	6	0.002210	0.013260
36	B200110095	BOM	NMIL	2	0.002896	0.005792
37	B200110123	BOM	NMIL	3	0.002210	0.006630
38	B200110128	BOM	NMIL	1	0.001551	0.001551
39	B200110172	BOM	NMIL	6	0.002896	0.017376
40	B200110192	BOM	NMIL	2	0.002210	0.004420
41	B200110202	BOM	NMIL	1	0.002896	0.002896
42	B200110223	BOM	NMIL	4	0.003039	0.012156
43	B200110227	BOM	NMIL	6	0.002896	0.017376
44	B200110235	BOM	NMIL	2	0.002896	0.005792
45	B200110276	BOM	NMIL	4	0.002896	0.011584
46	B200110282	BOM	NMIL	3	0.002896	0.008688
47	B200110311	BOM	NMIL	1	0.002210	0.002210
48	B200110313	BOM	NMIL	1	0.002896	0.002896
49	B200110317	BOM	NMIL	1	0.002896	0.002896
50	B200110493	BOM	NMIL	3	0.002319	0.006957
51	B200110494	BOM	NMIL	2	0.002210	0.004420
52	B200110503	BOM	NMIL	1	0.002210	0.002210
53	B200110506	BOM	NMIL	2	0.002210	0.004420
54	B200110508	BOM	NMIL	1	0.002210	0.002210
55	B200110524	BOM	NMIL	1	0.002210	0.002210
56	B200110551	BOM	NMIL	1	0.002210	0.002210
57	B200110668	BOM	NMIL	1	0.002210	0.002210
58	B200120170	BOM	NMIL	1	0.004786	0.004786
59	B200120171	BOM	NMIL	1	0.004848	0.004848
60	B200160022	BOM	NMIL	1	0.008899	0.008899
61	B200170032	BOM	NMIL	3	0.003177	0.009531
62	B200170057	BOM	NMIL	4	0.003177	0.012708
63	B200180094	BOM	NMIL	2	0.001723	0.003446
64	B200180103	BOM	NMIL	1	0.001845	0.001845

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65	B200180104	BOM	NMIL	1	0.001974	0.001974
66	B200190065	BOM	NMIL	1	0.010191	0.010191
67	B200190098	BOM	NMIL	1	0.004493	0.004493
68	B200200057	BOM	NMIL	1	0.008988	0.008988
69	B200200153	BOM	NMIL	2	0.005166	0.010332
70	B200200156	BOM	NMIL	6	0.006356	0.038136
71	B200200158	BOM	NMIL	1	0.004508	0.004508
72	B200200166	BOM	NMIL	4	0.006824	0.027296
73	B200200203	BOM	NMIL	1	0.003924	0.003924
74	B200200204	BOM	NMIL	3	0.007306	0.021918
75	B200220010	BOM	NMIL	1	0.003943	0.003943
76	B200220021	BOM	NMIL	1	0.003440	0.003440
77	B200220082	BOM	NMIL	3	0.001208	0.003624
78	B200220084	BOM	NMIL	2	0.001294	0.002588
79	B200230277	BOM	NMIL	1	0.002410	0.002410
80	B200230381	BOM	NMIL	2	0.007167	0.014334
81	B200230417	BOM	NMIL	3	0.001886	0.005658
82	B200230443	BOM	NMIL	1	0.001573	0.001573
83	B200230488	BOM	NMIL	3	0.021939	0.065817
84	B200230491	BOM	NMIL	3	0.013812	0.041436
85	B200260231	BOM	NMIL	1	0.014968	0.014968
86	B200260407	BOM	NMIL	1	0.021132	0.021132
87	B200260417	BOM	NMIL	1	0.014682	0.014682
88	B200280012	BOM	NMIL	1	0.000623	0.000623
89	B200290011	BOM	NMIL	2	0.002901	0.005802
90	B200290015	BOM	NMIL	2	0.011159	0.022318
91	B200300284	BOM	NMIL	1	0.004495	0.004495
92	B200310023	BOM	NMIL	1	0.005546	0.005546
93	B200340045	BOM	NMIL	1	0.022977	0.022977
94	B200370051	BOM	NMIL	1	0.001196	0.001196
95	B200370069	BOM	NMIL	1	0.001373	0.001373
96	B200370081	BOM	NMIL	2	0.000962	0.001924
97	B210060136	BOM	NMIL	1	0.024396	0.024396
98	B210090234	BOM	SPECIAL	1	2.276868	2.276868
99	B210160025	BOM	NMIL	1	0.010000	0.010000
100	B210192693	BOM	NMIL	1	0.114499	0.114499

Total Failure Rate (F/10⁶Hrs) : 5.771085

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Mean Time (in hours) Between Failures (MTBF) :						173,278