ZIPPY TECHNOLOGY CORP.

Mean Time Between Failures
PREDICTION REPORT

MIL-HDBK-217F,Notice 2

Product : Switching Power Supply

Model/Type : KIN1-5A00V4H(RoHS)

Approval By	Daniel Lin	正式資料用章	正式資料 MAR-28-2018 研發本部
Prepared By	Tain Yuan 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-28-2018 Time : 10:31:21
End Item Title : KIN SERIES MTBF
End Item Part Number : KIN1-5A00V4H(RoHS)
KIN1-5A00V4H(RoHS) MTBF : 139,506
Module Title : ZIPPY TECHNOLOGY CORP
Module Part Number : KIN / MTBF
Module Reference Designation : KIN
Environmental Condition : GB
Ambient Temperature: 25℃

KIN1-5A00V4H(RoHS)

ITEM #	Part Number	Ref Desig	Qual Level	Quant	Individual Failure Rate (F/10^6Hrs)	Total Failure Rate (F/10^6Hrs)
1	B102130002	BOM	NMIL	1	0.074349	0.074349
2	B102720003	BOM	NMIL	1	0.141808	0.141808
3	B102820030	BOM	NMIL	1	0.220751	0.220751
4	B103430007	BOM	NMIL	1	0.071032	0.071032
5	B103910004	BOM	NMIL	1	0.959656	0.959656
6	B200000001	BOM	SPECIAL	3	0.094935	0.284805
7	B200000080	BOM	SPECIAL	2	0.094935	0.189870
8	B200000092	BOM	SPECIAL	1	0.087340	0.087340
9	B200000144	BOM	SPECIAL	1	0.094935	0.094935
10	B200000252	BOM	SPECIAL	1	0.094935	0.094935
11	B200000268	BOM	SPECIAL	1	0.094935	0.094935
12	B200000316	BOM	SPECIAL	1	0.094935	0.094935
13	B200000364	BOM	SPECIAL	1	0.094935	0.094935
14	B200010022	BOM	NMIL	1	0.000798	0.000798
15	B200010056	BOM	NMIL	5	0.000798	0.003990
16	B200010083	BOM	NMIL	2	0.000734	0.001468
17	B200010084	BOM	NMIL	1	0.028886	0.028886
18	B200010112	BOM	NMIL	5	0.028886	0.144430
19	B200010141	BOM	NMIL	3	0.028886	0.086658
20	B200010192	BOM	NMIL	3	0.000798	0.002394
21	B200020016	BOM	NMIL	2	0.005156	0.010312
22	B200020021	BOM	NMIL	1	0.006751	0.006751
23	B200020024	BOM	NMIL	12	0.005156	0.061872
24	B200030019	BOM	NMIL	1	0.007617	0.007617

ITEM #	Part Number	Ref Desig	Qual Level	Quant	Individual Failure Rate (F/10^6Hrs)	Total Failure Rate (F/10^6Hrs)
25	B200040059	BOM	NMIL	1	0.005967	0.005967
26	B200040063	BOM	NMIL	1	0.014822	0.014822
27	B200040093	BOM	NMIL	1	0.014822	0.014822
28	B200050040	BOM	NMIL	5	0.005218	0.026090
29	B200050045	BOM	NMIL	1	0.005218	0.005218
30	B200060009	BOM	NMIL	2	0.013438	0.026876
31	B200090006	BOM	NMIL	1	0.001518	0.001518
32	B200110001	BOM	NMIL	3	0.004650	0.013950
33	B200110040	BOM	NMIL	1	0.004650	0.004650
34	B200110042	BOM	NMIL	3	0.004650	0.013950
35	B200110046	BOM	NMIL	5	0.004650	0.023250
36	B200110120	BOM	NMIL	1	0.004650	0.004650
37	B200110123	BOM	NMIL	3	0.004650	0.013950
38	B200110127	BOM	NMIL	7	0.007440	0.052080
39	B200110227	BOM	NMIL	2	0.004650	0.009300
40	B200110261	BOM	NMIL	2	0.004650	0.009300
41	B200110270	BOM	NMIL	2	0.004650	0.009300
42	B200110276	BOM	NMIL	2	0.004650	0.009300
43	B200110279	BOM	NMIL	1	0.004650	0.004650
44	B200110282	BOM	NMIL	12	0.004650	0.055800
45	B200110317	BOM	NMIL	2	0.004650	0.009300
46	B200110343	BOM	NMIL	1	0.004650	0.004650
47	B200110348	BOM	NMIL	1	0.004650	0.004650
48	B200110379	BOM	NMIL	1	0.004650	0.004650
49	B200110406	BOM	NMIL	1	0.004650	0.004650
50	B200110430	BOM	NMIL	2	0.004650	0.009300
51	B200110464	BOM	NMIL	1	0.004650	0.004650
52	B200110489	BOM	NMIL	1	0.004650	0.004650
53	B200110491	BOM	NMIL	1	0.004650	0.004650
54	B200110494	BOM	NMIL	1	0.004650	0.004650
55	B200110503	BOM	NMIL	1	0.005115	0.005115
56	B200110505	BOM	NMIL	2	0.004650	0.009300
57	B200110508	BOM	NMIL	1	0.004650	0.004650
58	B200110510	BOM	NMIL	1	0.004650	0.004650
59	B200110512	BOM	NMIL	1	0.004650	0.004650
60	B200110523	BOM	NMIL	2	0.004650	0.009300
61	B200110525	BOM	NMIL	1	0.004650	0.004650
62	B200110528	BOM	NMIL	1	0.004650	0.004650
63	B200110529	BOM	NMIL	2	0.004650	0.009300
64	B200110530	BOM	NMIL	1	0.004650	0.004650

ITEM #	Part Number	Ref Desig	Qual Level	Quant	Individual Failure Rate (F/10^6Hrs)	Total Failure Rate (F/10^6Hrs)
65	B200110531	BOM	NMIL	1	0.004650	0.004650
66	B200110541	BOM	NMIL	1	0.004650	0.004650
67	B200110544	BOM	NMIL	1	0.004650	0.004650
68	B200110547	BOM	NMIL	1	0.005115	0.005115
69	B200110550	BOM	NMIL	1	0.004650	0.004650
70	B200110554	BOM	NMIL	10	0.004650	0.046500
71	B200110561	BOM	NMIL	1	0.004650	0.004650
72	B200110576	BOM	NMIL	1	0.004650	0.004650
73	B200110588	BOM	NMIL	1	0.004650	0.004650
74	B200110612	BOM	NMIL	1	0.004650	0.004650
75	B200110626	BOM	NMIL	1	0.004650	0.004650
76	B200110646	BOM	NMIL	1	0.004650	0.004650
77	B200120015	BOM	NMIL	1	0.007557	0.007557
78	B200120154	BOM	NMIL	1	0.008509	0.008509
79	B200120160	BOM	NMIL	1	0.005425	0.005425
80	B200160011	BOM	NMIL	1	0.065000	0.065000
81	B200160017	BOM	NMIL	1	0.065000	0.065000
82	B200170021	BOM	NMIL	3	0.004875	0.014625
83	B200170036	BOM	NMIL	3	0.004875	0.014625
84	B200180011	BOM	N/A	1	0.008552	0.008552
85	B200180075	BOM	N/A	2	0.008923	0.017846
86	B200190022	BOM	N/A	1	0.015889	0.015889
87	B200190033	BOM	N/A	1	0.013308	0.013308
88	B200200021	BOM	N/A	3	0.015274	0.045822
89	B200200053	BOM	N/A	1	0.014056	0.014056
90	B200200061	BOM	N/A	3	0.008470	0.025410
91	B200200066	BOM	N/A	1	0.010911	0.010911
92	B200200069	BOM	N/A	1	0.006575	0.006575
93	B200200071	BOM	N/A	1	0.006048	0.006048
94	B200200083	BOM	N/A	4	0.007144	0.028576
95	B200200153	BOM	N/A	1	0.009203	0.009203
96	B200200156	BOM	N/A	3	0.011856	0.035568
97	B200200158	BOM	N/A	2	0.007791	0.015582
98	B200200166	BOM	N/A	1	0.012930	0.012930
99	B200210007	BOM	N/A	1	0.021805	0.021805
100	B200220018	BOM	N/A	3	0.002416	0.007248
101	B200220020	BOM	N/A	1	0.002337	0.002337
102	B200220046	BOM	N/A	1	0.002198	0.002198
103	B200230057	BOM	N/A	1	0.029066	0.029066

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)
104	B200230198	BOM	N/A	6	0.053553	0.321318
105	B200230210	BOM	N/A	1	0.046467	0.046467
106	B200230277	BOM	N/A	2	0.038174	0.076348
107	B200230288	BOM	N/A	3	0.017706	0.053118
108	B200230335	BOM	N/A	1	0.164370	0.164370
109	B200230338	BOM	N/A	3	0.026800	0.080400
110	B200230380	BOM	N/A	1	0.185545	0.185545
111	B200250009	BOM	NMIL	1	0.021307	0.021307
112	B200260204	BOM	NMIL	1	0.025245	0.025245
113	B200260228	BOM	NMIL	1	0.025245	0.025245
114	B200260293	BOM	NMIL	1	0.025245	0.025245
115	B200260302	BOM	NMIL	1	0.025245	0.025245
116	B200280012	BOM	NMIL	3	0.015958	0.047874
117	B200300219	BOM	NMIL	1	0.003537	0.003537
118	B200300236	BOM	NMIL	1	0.003537	0.003537
119	B200300273	BOM	NMIL	1	0.024052	0.024052
120	B200300274	BOM	NMIL	1	0.003537	0.003537
121	B200310003	BOM	NMIL	1	0.028152	0.028152
122	B210090138	BOM	KNOWNFR	1	2.057637	2.057637
123	B210160025	BOM	N/A	1	0.010000	0.010000
124	B210191559	N/A	STANDARD	1	0.016567	0.016567
125	B210191722	N/A	STANDARD	1	0.019996	0.019996

Total Failure Rate (F/10^6Hrs) : 7.168148
Mean Time (in hours) Between Failures (MTBF) : **139,506**