



ZIPPY TECHNOLOGY CORP.

Mean Time Between Failures PREDICTION REPORT

MIL-HDBK-217F, Notice 2

Product : Switching Power Supply

Model/Type : DR1U-2600V2(RoHS)(PMBus WP1.2)

Approval By		正式 資料 用 章	
Prepared By			

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-05-2020 Time : 11:22:23
End Item Title : DR1U SERIES MTBF
End Item Part Number : DR1U-2600V2(RoHS)(PMBus WP1.2)
DR1U-2600V2(RoHS)(PMBus WP1.2) MTBF : 175,217
Module Title : ZIPPY TECHNOLOGY CORP
Module Part Number : DR1U / MTBF
Module Reference Designation : DR1U
Environmental Condition : GB
Ambient Temperature: 25°C

DR1U-2600V2(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	B106080003	BOM	SPECIAL	1	0.290440	0.290440
2	B106580002	BOM	SPECIAL	1	0.120063	0.120063
3	B106580003	BOM	SPECIAL	1	0.582545	0.582545
4	B106580004	BOM	SPECIAL	1	0.244162	0.244162
5	B106580005	BOM	SPECIAL	1	0.268431	0.268431
6	B200000296	BOM	NMIL	1	0.005248	0.005248
7	B200000308	BOM	NMIL	2	0.013289	0.026578
8	B200000316	BOM	NMIL	1	0.005601	0.005601
9	B200000357	BOM	NMIL	1	0.013289	0.013289
10	B200000559	BOM	NMIL	1	0.005483	0.005483
11	B200000603	BOM	NMIL	1	0.005248	0.005248
12	B200000612	BOM	NMIL	1	0.004716	0.004716
13	B200010162	BOM	NMIL	1	0.073390	0.073390
14	B200010190	BOM	NMIL	1	0.004985	0.004985
15	B200010238	BOM	NMIL	2	0.073390	0.146780
16	B200010252	BOM	NMIL	6	0.072168	0.433008
17	B200010268	BOM	NMIL	4	0.065527	0.262108
18	B200010269	BOM	NMIL	3	0.000652	0.001956
19	B200010270	BOM	NMIL	3	0.000652	0.001956
20	B200020024	BOM	NMIL	1	0.000424	0.000424
21	B200030069	BOM	NMIL	1	0.001906	0.001906
22	B200030107	BOM	NMIL	4	0.001906	0.007624
23	B200040073	BOM	NMIL	13	0.011646	0.151398
24	B200040094	BOM	NMIL	1	0.015829	0.015829

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25	B200040120	BOM	NMIL	1	0.011646	0.011646
26	B200040133	BOM	NMIL	2	0.011646	0.023292
27	B200040150	BOM	NMIL	1	0.011646	0.011646
28	B200050081	BOM	NMIL	5	0.003013	0.015065
29	B200050085	BOM	NMIL	1	0.003013	0.003013
30	B200050088	BOM	NMIL	1	0.003013	0.003013
31	B200090005	BOM	NMIL	1	0.001476	0.001476
32	B200110001	BOM	NMIL	1	0.002896	0.002896
33	B200110035	BOM	NMIL	1	0.002896	0.002896
34	B200110046	BOM	NMIL	1	0.002896	0.002896
35	B200110091	BOM	NMIL	2	0.002896	0.005792
36	B200110123	BOM	NMIL	1	0.002210	0.002210
37	B200110127	BOM	NMIL	1	0.003039	0.003039
38	B200110162	BOM	NMIL	1	0.002896	0.002896
39	B200110192	BOM	NMIL	1	0.002210	0.002210
40	B200110279	BOM	NMIL	1	0.002210	0.002210
41	B200110282	BOM	NMIL	1	0.002896	0.002896
42	B200110357	BOM	NMIL	4	0.002896	0.011584
43	B200110488	BOM	NMIL	2	0.002210	0.004420
44	B200110490	BOM	NMIL	1	0.002210	0.002210
45	B200110505	BOM	NMIL	3	0.002210	0.006630
46	B200110506	BOM	NMIL	1	0.002210	0.002210
47	B200110512	BOM	NMIL	1	0.002210	0.002210
48	B200110523	BOM	NMIL	3	0.002210	0.006630
49	B200110530	BOM	NMIL	1	0.002210	0.002210
50	B200110544	BOM	NMIL	1	0.002210	0.002210
51	B200110571	BOM	NMIL	2	0.002210	0.004420
52	B200110590	BOM	NMIL	3	0.002319	0.006957
53	B200110715	BOM	NMIL	2	0.002896	0.005792
54	B200110733	BOM	NMIL	11	0.002026	0.022286
55	B200110738	BOM	NMIL	6	0.002026	0.012156
56	B200110739	BOM	NMIL	1	0.002026	0.002026
57	B200110775	BOM	NMIL	1	0.002026	0.002026
58	B200110808	BOM	NMIL	8	0.002026	0.016208
59	B200110811	BOM	NMIL	1	0.002026	0.002026
60	B200110814	BOM	NMIL	1	0.002026	0.002026
61	B200110819	BOM	NMIL	1	0.002026	0.002026
62	B200110821	BOM	NMIL	1	0.002126	0.002126
63	B200110851	BOM	NMIL	1	0.002026	0.002026
64	B200110870	BOM	NMIL	1	0.002126	0.002126

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65	B200110872	BOM	NMIL	1	0.002026	0.002026
66	B200110891	BOM	NMIL	1	0.002126	0.002126
67	B200110928	BOM	NMIL	1	0.002026	0.002026
68	B200110970	BOM	NMIL	1	0.002126	0.002126
69	B200111016	BOM	NMIL	1	0.002026	0.002026
70	B200111022	BOM	NMIL	1	0.002026	0.002026
71	B200111024	BOM	NMIL	1	0.002026	0.002026
72	B200120170	BOM	NMIL	1	0.005001	0.005001
73	B200160017	BOM	NMIL	1	0.004760	0.004760
74	B200160053	BOM	NMIL	1	0.008611	0.008611
75	B200170047	BOM	NMIL	2	0.003721	0.007442
76	B200170071	BOM	NMIL	1	0.003177	0.003177
77	B200170079	BOM	NMIL	2	0.003721	0.007442
78	B200180112	BOM	NMIL	2	0.002134	0.004268
79	B200200075	BOM	NMIL	1	0.009676	0.009676
80	B200200082	BOM	NMIL	7	0.008395	0.058765
81	B200200092	BOM	NMIL	8	0.009620	0.076960
82	B200200140	BOM	NMIL	1	0.003664	0.003664
83	B200200142	BOM	NMIL	1	0.007306	0.007306
84	B200200143	BOM	NMIL	4	0.004199	0.016796
85	B200200153	BOM	NMIL	2	0.005166	0.010332
86	B200200158	BOM	NMIL	1	0.004508	0.004508
87	B200200193	BOM	NMIL	1	0.004827	0.004827
88	B200200197	BOM	NMIL	1	0.005939	0.005939
89	B200200205	BOM	NMIL	2	0.007820	0.015640
90	B200200207	BOM	NMIL	2	0.005166	0.010332
91	B200200208	BOM	NMIL	5	0.006356	0.031780
92	B200200213	BOM	NMIL	1	0.003924	0.003924
93	B200200237	BOM	NMIL	1	0.006824	0.006824
94	B200220010	BOM	NMIL	1	0.003943	0.003943
95	B200220020	BOM	NMIL	1	0.003440	0.003440
96	B200220082	BOM	NMIL	1	0.001208	0.001208
97	B200220087	BOM	NMIL	2	0.001125	0.002250
98	B200230210	BOM	NMIL	1	0.009001	0.009001
99	B200230263	BOM	NMIL	2	0.001263	0.002526
100	B200230281	BOM	NMIL	1	0.006574	0.006574
101	B200230288	BOM	NMIL	1	0.001165	0.001165
102	B200230381	BOM	NMIL	1	0.008569	0.008569
103	B200230388	BOM	NMIL	2	0.012204	0.024408
104	B200230436	BOM	NMIL	2	0.001803	0.003606

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105	B200230514	BOM	NMIL	1	0.001661	0.001661
106	B200230537	BOM	NMIL	1	0.016249	0.016249
107	B200230538	BOM	NMIL	2	0.018274	0.036548
108	B200230590	BOM	NMIL	1	0.015038	0.015038
109	B200240005	BOM	NMIL	1	0.009934	0.009934
110	B200250009	BOM	NMIL	1	0.000205	0.000205
111	B200260271	BOM	NMIL	1	0.000251	0.000251
112	B200260277	BOM	NMIL	1	0.000196	0.000196
113	B200270025	BOM	NMIL	1	0.000227	0.000227
114	B200280017	BOM	NMIL	1	0.000623	0.000623
115	B200300525	BOM	NMIL	1	0.094536	0.094536
116	B200300526	BOM	NMIL	1	0.007615	0.007615
117	B200370069	BOM	NMIL	1	0.001373	0.001373
118	B200370081	BOM	NMIL	1	0.000962	0.000962
119	B200370085	BOM	NMIL	1	0.001196	0.001196
120	B210090232	BOM	SPECIAL	1	2.182912	2.182912
121	B210160024	BOM	NMIL	1	0.016264	0.016264
122	B210160062	BOM	NMIL	1	0.010000	0.010000
123	B210193129	BOM	NMIL	1	0.023541	0.023541
124	B200110709	BOM	NMIL	1	0.002026	0.002026

Total Failure Rate (F/10⁶Hrs) : 5.707204
Mean Time (in hours) Between Failures (MTBF) : **175,217**