



ZIPPY TECHNOLOGY CORP.

Mean Time Between Failures PREDICTION REPORT

MIL-HDBK-217F, Notice 2

Product : Switching Power Supply

Model/Type : DR1T-2180V2(RoHS)(PMBus WP1.2)

Approval By		正式 資料 用 章	
Prepared By			

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 : JUL-27-2022 Time : 15:48:34
End Item Title : DR1T SERIES MTBF
End Item Part Number : DR1T-2180V2(RoHS)(PMBus WP1.2)
DR1T-2180V2(RoHS)(PMBus WP1.2) MTBF : 192,210
Module Title : ZIPPY TECHNOLOGY CORP
Module Part Number : DR1T / MTBF
Module Reference Designation : DR1T
Environmental Condition : GB
Ambient Temperature: 25°C

DR1T-2180V2(RoHS)(PMBus WP1.2)

ITEM #	Part Number	Ref Desig	Qual Level	Quant	Individual Failure Rate (F/10^6Hrs)	Total Failure Rate (F/10^6Hrs)
1	B105190015	BOM	SPECIAL	1	0.185981	0.185981
2	B106290007	BOM	SPECIAL	1	0.408971	0.408971
3	B106380002	BOM	SPECIAL	1	0.198611	0.198611
4	B106380005	BOM	SPECIAL	1	0.213709	0.213709
5	B106380008	BOM	SPECIAL	1	0.509336	0.509336
6	B106380010	BOM	SPECIAL	1	0.200521	0.200521
7	B200000521	BOM	NMIL	1	0.005806	0.005806
8	B200010052	BOM	NMIL	2	0.000627	0.001254
9	B200010099	BOM	NMIL	1	0.009694	0.009694
10	B200010109	BOM	NMIL	5	0.000627	0.003135
11	B200010167	BOM	NMIL	2	0.000648	0.001296
12	B200010252	BOM	NMIL	4	0.072168	0.288672
13	B200010268	BOM	NMIL	3	0.062382	0.187146
14	B200040073	BOM	NMIL	6	0.011646	0.069876
15	B200040123	BOM	NMIL	1	0.015069	0.015069
16	B200090005	BOM	NMIL	1	0.001476	0.001476
17	B200110042	BOM	NMIL	7	0.002210	0.015470
18	B200110123	BOM	NMIL	2	0.002210	0.004420
19	B200110156	BOM	NMIL	2	0.002896	0.005792
20	B200110227	BOM	NMIL	1	0.002896	0.002896
21	B200110235	BOM	NMIL	2	0.002896	0.005792
22	B200110279	BOM	NMIL	1	0.002210	0.002210
23	B200110325	BOM	NMIL	1	0.002896	0.002896
24	B200110357	BOM	NMIL	2	0.002896	0.005792

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25	B200110502	BOM	NMIL	1	0.002210	0.002210
26	B200110508	BOM	NMIL	1	0.002210	0.002210
27	B200110512	BOM	NMIL	1	0.002210	0.002210
28	B200110564	BOM	NMIL	1	0.002210	0.002210
29	B200110638	BOM	NMIL	1	0.002319	0.002319
30	B200170019	BOM	NMIL	1	0.003721	0.003721
31	B200170029	BOM	NMIL	2	0.003721	0.007442
32	B200180112	BOM	NMIL	2	0.002134	0.004268
33	B200190098	BOM	NMIL	1	0.004493	0.004493
34	B200200082	BOM	NMIL	3	0.008395	0.025185
35	B200200086	BOM	NMIL	2	0.003089	0.006178
36	B200200092	BOM	NMIL	15	0.009620	0.144300
37	B200200153	BOM	NMIL	2	0.005166	0.010332
38	B200200156	BOM	NMIL	1	0.006356	0.006356
39	B200200205	BOM	NMIL	1	0.007820	0.007820
40	B200200218	BOM	NMIL	2	0.009620	0.019240
41	B200220014	BOM	NMIL	1	0.002796	0.002796
42	B200220054	BOM	NMIL	2	0.003943	0.007886
43	B200220082	BOM	NMIL	3	0.001208	0.003624
44	B200230198	BOM	NMIL	2	0.010273	0.020546
45	B200230377	BOM	NMIL	1	0.012682	0.012682
46	B200230564	BOM	NMIL	1	0.018460	0.018460
47	B200250057	BOM	NMIL	1	0.000220	0.000220
48	B200260280	BOM	NMIL	1	0.000187	0.000187
49	B200260441	BOM	NMIL	1	0.000212	0.000212
50	B200260442	BOM	NMIL	1	0.000246	0.000246
51	B200280017	BOM	NMIL	2	0.000623	0.001246
52	B200290015	BOM	NMIL	2	0.011159	0.022318
53	B200300505	BOM	NMIL	1	0.088152	0.088152
54	B200370102	BOM	NMIL	1	0.001091	0.001091
55	B200370114	BOM	NMIL	1	0.000962	0.000962
56	B200370115	BOM	NMIL	1	0.001196	0.001196
57	B210090243	BOM	SPECIAL	1	2.376670	2.376670
58	B210160044	BOM	NMIL	1	0.016264	0.016264
59	B210160069	BOM	NMIL	1	0.010000	0.010000
60	B210192875	BOM	NMIL	1	0.000733	0.000733
61	B210192917	BOM	NMIL	1	0.020842	0.020842

Total Failure Rate (F/10^6Hrs) : 5.202648

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ITEM #	Part Number	Ref Desig	Qual Level	Quant	Individual Failure Rate (F/10 ⁶ Hrs)	Total Failure Rate (F/10 ⁶ Hrs)
Mean Time (in hours) Between Failures (MTBF) :						192,210