



ZIPPY TECHNOLOGY CORP.

Mean Time Between Failures PREDICTION REPORT

MIL-HDBK-217F, Notice 2

Product : Switching Power Supply

Model/Type : P1P-5AE0G2(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 : SEP-16-2022 Time : 16:23:46
End Item Title : P1P SERIES MTBF
End Item Part Number : P1P-5AE0G2(RoHS)(PMBus WP1.2)
P1P-5AE0G2(RoHS)(PMBus WP1.2) MTBF : 162,594
Module Title : ZIPPY TECHNOLOGY CORP
Module Part Number : P1P / MTBF
Module Reference Designation : P1P
Environmental Condition : GB
Ambient Temperature: 25°C

P1P-5AE0G2(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	B103820015	BOM	SPECIAL	1	0.081436	0.081436
2	B106280002	BOM	SPECIAL	1	0.208069	0.208069
3	B106280003	BOM	SPECIAL	1	0.093588	0.093588
4	B106280009	BOM	SPECIAL	1	0.467352	0.467352
5	B106790003	BOM	SPECIAL	1	0.230238	0.230238
6	B106790014	BOM	SPECIAL	1	0.482066	0.482066
7	B106790015	BOM	SPECIAL	1	1.621830	1.621830
8	B200000416	BOM	NMIL	2	0.004932	0.009864
9	B200000598	BOM	NMIL	1	0.013289	0.013289
10	B200000760	BOM	NMIL	1	0.006549	0.006549
11	B200010260	BOM	NMIL	1	0.001254	0.001254
12	B200010269	BOM	NMIL	4	0.000652	0.002608
13	B200010270	BOM	NMIL	2	0.000652	0.001304
14	B200010280	BOM	NMIL	2	0.073390	0.146780
15	B200010314	BOM	NMIL	2	0.055396	0.110792
16	B200020024	BOM	NMIL	1	0.000414	0.000414
17	B200020046	BOM	NMIL	1	0.000755	0.000755
18	B200030052	BOM	NMIL	1	0.000712	0.000712
19	B200030107	BOM	NMIL	1	0.001906	0.001906
20	B200040073	BOM	NMIL	4	0.011646	0.046584
21	B200040111	BOM	NMIL	1	0.004201	0.004201
22	B200050084	BOM	NMIL	1	0.003013	0.003013
23	B200060030	BOM	NMIL	1	0.002981	0.002981
24	B200070009	BOM	NMIL	1	0.000649	0.000649

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25	B200110006	BOM	NMIL	2	0.002896	0.005792
26	B200110042	BOM	NMIL	4	0.002210	0.008840
27	B200110123	BOM	NMIL	5	0.002210	0.011050
28	B200110162	BOM	NMIL	1	0.002896	0.002896
29	B200110223	BOM	NMIL	4	0.003039	0.012156
30	B200110235	BOM	NMIL	1	0.002896	0.002896
31	B200110317	BOM	NMIL	1	0.002896	0.002896
32	B200110325	BOM	NMIL	2	0.002896	0.005792
33	B200110488	BOM	NMIL	1	0.002210	0.002210
34	B200110743	BOM	NMIL	1	0.002026	0.002026
35	B200110973	BOM	NMIL	2	0.002210	0.004420
36	B200160022	BOM	NMIL	1	0.009218	0.009218
37	B200170011	BOM	NMIL	1	0.013316	0.013316
38	B200170018	BOM	NMIL	2	0.003177	0.006354
39	B200170057	BOM	NMIL	3	0.003177	0.009531
40	B200170069	BOM	NMIL	3	0.003177	0.009531
41	B200180087	BOM	NMIL	2	0.001243	0.002486
42	B200180097	BOM	NMIL	1	0.002048	0.002048
43	B200180103	BOM	NMIL	1	0.001845	0.001845
44	B200190065	BOM	NMIL	1	0.010191	0.010191
45	B200190105	BOM	NMIL	1	0.013460	0.013460
46	B200200126	BOM	NMIL	2	0.010356	0.020712
47	B200200156	BOM	NMIL	4	0.006356	0.025424
48	B200200204	BOM	NMIL	4	0.007306	0.029224
49	B200200205	BOM	NMIL	1	0.007820	0.007820
50	B200220010	BOM	NMIL	1	0.003943	0.003943
51	B200220073	BOM	NMIL	1	0.002605	0.002605
52	B200220082	BOM	NMIL	5	0.001208	0.006040
53	B200230354	BOM	NMIL	2	0.013266	0.026532
54	B200230613	BOM	NMIL	1	0.030523	0.030523
55	B200260407	BOM	NMIL	1	0.000281	0.000281
56	B200260429	BOM	NMIL	1	0.000281	0.000281
57	B200280012	BOM	NMIL	1	0.000623	0.000623
58	B200290015	BOM	NMIL	2	0.011159	0.022318
59	B200300561	BOM	NMIL	1	0.042755	0.042755
60	B200310025	BOM	NMIL	1	0.005860	0.005860
61	B200370051	BOM	NMIL	1	0.001196	0.001196
62	B210060136	BOM	NMIL	1	0.024396	0.024396
63	B210090241	BOM	SPECIAL	1	2.182912	2.182912
64	B210160094	BOM	NMIL	1	0.010000	0.010000

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ITEM #	Part Number	Ref Desig	Qual Level	Quant	Individual Failure Rate (F/10^6Hrs)	Total Failure Rate (F/10^6Hrs)
65	B210191722	BOM	NMIL	1	0.000429	0.000429
66	B210193590	BOM	NMIL	1	0.029237	0.029237

Total Failure Rate (F/10^6Hrs) :	6.150299
Mean Time (in hours) Between Failures (MTBF) :	162,594