



ZIPPY TECHNOLOGY CORP.

**Mean Time Between Failures
PREDICTION REPORT**

MIL-HDBK-217F, Notice 2

Product : Switching Power Supply

Model/Type : DZRH-2800V2(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, 'JAN-10-2018' is in the middle, and '研發本部' (R&D Department) is at the bottom.
Prepared By	<i>Fain 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 : JAN-10-2018 Time : 11:42:33
End Item Title : DZRH SERIES MTBF
End Item Part Number : DZRH-2800V2(RoHS)(PMBus WP1.2)
DZRH-2800V2(RoHS)(PMBus WP1.2) MTBF : 173,645
Module Title : ZIPPY TECHNOLOGY CORP
Module Part Number : DZRH / MTBF
Module Reference Designation : DZRH
Environmental Condition : GB
Ambient Temperature: 25°C

DZRH-2800V2(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	B103590002	BOM	SPECIAL	1	0.062505	0.062505
2	B106130005	BOM	SPECIAL	1	0.709416	0.709416
3	B106130006	BOM	SPECIAL	1	0.125044	0.125044
4	B106130007	BOM	SPECIAL	1	0.138499	0.138499
5	B106130008	BOM	SPECIAL	1	0.536111	0.536111
6	B106130009	BOM	SPECIAL	1	0.214017	0.214017
7	B106130010	BOM	SPECIAL	1	0.047663	0.047663
8	B200000316	BOM	NMIL	1	0.005601	0.005601
9	B200000357	BOM	NMIL	1	0.013289	0.013289
10	B200000558	BOM	NMIL	1	0.005248	0.005248
11	B200000601	BOM	NMIL	2	0.005806	0.011612
12	B200000603	BOM	NMIL	1	0.005248	0.005248
13	B200000637	BOM	NMIL	1	0.006974	0.006974
14	B200000638	BOM	NMIL	1	0.013289	0.013289
15	B200000656	BOM	NMIL	1	0.005248	0.005248
16	B200010167	BOM	NMIL	1	0.000747	0.000747
17	B200010190	BOM	NMIL	1	0.002434	0.002434
18	B200010233	BOM	NMIL	2	0.000351	0.000702
19	B200010234	BOM	NMIL	2	0.000351	0.000702
20	B200010249	BOM	NMIL	1	0.000290	0.000290
21	B200010260	BOM	NMIL	2	0.000674	0.001348
22	B200010262	BOM	NMIL	3	0.072168	0.216504
23	B200010268	BOM	NMIL	8	0.065527	0.524216
24	B200020017	BOM	NMIL	1	0.002332	0.002332

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 ⁶ Hrs)	Total Failure Rate (F/10 ⁶ Hrs)
25	B200030069	BOM	NMIL	2	0.002308	0.004616
26	B200030107	BOM	NMIL	4	0.002308	0.009232
27	B200040035	BOM	NMIL	1	0.001366	0.001366
28	B200040065	BOM	NMIL	2	0.011646	0.023292
29	B200040073	BOM	NMIL	9	0.011646	0.104814
30	B200040108	BOM	NMIL	1	0.011646	0.011646
31	B200040139	BOM	NMIL	1	0.015829	0.015829
32	B200050032	BOM	NMIL	3	0.003013	0.009039
33	B200050083	BOM	NMIL	2	0.003013	0.006026
34	B200090055	BOM	NMIL	1	0.001476	0.001476
35	B200110006	BOM	NMIL	4	0.002896	0.011584
36	B200110042	BOM	NMIL	10	0.002210	0.022100
37	B200110046	BOM	NMIL	4	0.002896	0.011584
38	B200110095	BOM	NMIL	2	0.002896	0.005792
39	B200110123	BOM	NMIL	3	0.002210	0.006630
40	B200110190	BOM	NMIL	1	0.002896	0.002896
41	B200110202	BOM	NMIL	1	0.002896	0.002896
42	B200110227	BOM	NMIL	1	0.002896	0.002896
43	B200110235	BOM	NMIL	1	0.002896	0.002896
44	B200110279	BOM	NMIL	2	0.002210	0.004420
45	B200110282	BOM	NMIL	1	0.002896	0.002896
46	B200110313	BOM	NMIL	1	0.002896	0.002896
47	B200110357	BOM	NMIL	2	0.002896	0.005792
48	B200110468	BOM	NMIL	3	0.002896	0.008688
49	B200110488	BOM	NMIL	2	0.002210	0.004420
50	B200110489	BOM	NMIL	1	0.002210	0.002210
51	B200110490	BOM	NMIL	2	0.002210	0.004420
52	B200110501	BOM	NMIL	1	0.002210	0.002210
53	B200110505	BOM	NMIL	3	0.002210	0.006630
54	B200110506	BOM	NMIL	1	0.002210	0.002210
55	B200110508	BOM	NMIL	1	0.002210	0.002210
56	B200110512	BOM	NMIL	1	0.002210	0.002210
57	B200110523	BOM	NMIL	1	0.002210	0.002210
58	B200110524	BOM	NMIL	1	0.002210	0.002210
59	B200110541	BOM	NMIL	1	0.002210	0.002210
60	B200110550	BOM	NMIL	2	0.002210	0.004420
61	B200110571	BOM	NMIL	2	0.002210	0.004420
62	B200110574	BOM	NMIL	1	0.002319	0.002319
63	B200110581	BOM	NMIL	3	0.002210	0.006630
64	B200110627	BOM	NMIL	2	0.002319	0.004638

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 ⁶ Hrs)	Total Failure Rate (F/10 ⁶ Hrs)
65	B200110635	BOM	NMIL	2	0.002210	0.004420
66	B200110638	BOM	NMIL	1	0.002319	0.002319
67	B200110639	BOM	NMIL	1	0.002210	0.002210
68	B200110675	BOM	NMIL	2	0.002210	0.004420
69	B200110733	BOM	NMIL	1	0.002026	0.002026
70	B200110864	BOM	NMIL	1	0.002026	0.002026
71	B200111089	BOM	NMIL	2	0.002896	0.005792
72	B200160053	BOM	NMIL	1	0.008611	0.008611
73	B200170018	BOM	NMIL	2	0.003177	0.006354
74	B200200057	BOM	NMIL	2	0.008988	0.017976
75	B200200070	BOM	NMIL	1	0.007077	0.007077
76	B200200082	BOM	NMIL	7	0.008395	0.058765
77	B200200092	BOM	NMIL	7	0.009620	0.067340
78	B200200094	BOM	NMIL	1	0.004508	0.004508
79	B200200153	BOM	NMIL	2	0.005166	0.010332
80	B200200156	BOM	NMIL	5	0.006356	0.031780
81	B200200166	BOM	NMIL	4	0.006824	0.027296
82	B200200204	BOM	NMIL	2	0.007306	0.014612
83	B200200205	BOM	NMIL	2	0.007820	0.015640
84	B200200206	BOM	NMIL	1	0.008395	0.008395
85	B200200226	BOM	NMIL	1	0.002775	0.002775
86	B200210007	BOM	NMIL	1	0.021267	0.021267
87	B200220010	BOM	NMIL	1	0.003943	0.003943
88	B200220020	BOM	NMIL	1	0.003440	0.003440
89	B200220082	BOM	NMIL	3	0.001208	0.003624
90	B200230342	BOM	NMIL	1	0.002420	0.002420
91	B200230354	BOM	NMIL	2	0.011573	0.023146
92	B200230388	BOM	NMIL	2	0.009044	0.018088
93	B200230445	BOM	NMIL	1	0.002034	0.002034
94	B200230472	BOM	NMIL	2	0.013823	0.027646
95	B200230506	BOM	NMIL	1	0.001248	0.001248
96	B200230507	BOM	NMIL	2	0.011340	0.022680
97	B200240013	BOM	NMIL	2	0.009253	0.018506
98	B200250018	BOM	NMIL	1	0.015652	0.015652
99	B200260274	BOM	NMIL	1	0.019936	0.019936
100	B200260276	BOM	NMIL	1	0.019936	0.019936
101	B200260277	BOM	NMIL	1	0.019936	0.019936
102	B200280017	BOM	NMIL	3	0.000623	0.001869
103	B200290011	BOM	NMIL	2	0.002901	0.005802
104	B200300315	BOM	NMIL	1	0.008351	0.008351

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 ⁶ Hrs)	Total Failure Rate (F/10 ⁶ Hrs)
105	B200300478	BOM	NMIL	1	0.004836	0.004836
106	B200300479	BOM	NMIL	1	0.004127	0.004127
107	B200360064	BOM	NMIL	1	0.001528	0.001528
108	B200370051	BOM	NMIL	1	0.001196	0.001196
109	B200370085	BOM	NMIL	2	0.001196	0.002392
110	B200370111	BOM	NMIL	1	0.001196	0.001196
111	B210090232	BOM	SPECIAL	1	2.182912	2.182912
112	B210160043	BOM	NMIL	1	0.010000	0.010000
113	B210192649	BOM	NMIL	1	0.003548	0.003548
114	B210192691	BOM	NMIL	1	0.017022	0.017022

Total Failure Rate (F/10⁶Hrs) : 5.758873
Mean Time (in hours) Between Failures (MTBF) : **173,645**