ZIPPY TECHNOLOGY CORP.

Mean Time Between Failures

PREDICTION REPORT

MIL-HDBK-217F,Notice 2

Product : Switching Power Supply

Model/Type : DZRE-1930V2(RoHS)(PMBus WP1.2)

Approval By	Chacha Ho	正式資料用章	正式資料 NOV-29-2019 研發本部
Prepared By	TsaiYuanLin		

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 : NOV-29-2019 Time : 10:23:41
End Item Title : DZRE SERIES MTBF
End Item Part Number : DZRE-1930V2(RoHS)(PMBus WP1.2)
DZRE-1930V2(RoHS)(PMBus WP1.2) MTBF : 153,854
Module Title : ZIPPY TECHNOLOGY CORP
Module Part Number : DZRE / MTBF
Module Reference Designation : DZRE
Environmental Condition : GB
Ambient Temperature: 25℃

DZRE-1930V2(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	B106550002	BOM	SPECIAL	1	0.285101	0.285101
2	B106550003	BOM	SPECIAL	1	0.799745	0.799745
3	B106550005	BOM	SPECIAL	1	0.049243	0.049243
4	B106550009	BOM	SPECIAL	1	1.709853	1.709853
5	B200000066	BOM	NMIL	1	0.006152	0.006152
6	B200000357	BOM	NMIL	1	0.013289	0.013289
7	B200000628	BOM	NMIL	1	0.006015	0.006015
8	B200000640	BOM	NMIL	3	0.006522	0.019566
9	B200000641	BOM	NMIL	2	0.008063	0.016126
10	B200010022	BOM	NMIL	1	0.000843	0.000843
11	B200010116	BOM	NMIL	2	0.058450	0.116900
12	B200010190	BOM	NMIL	1	0.004985	0.004985
13	B200010192	BOM	NMIL	1	0.009694	0.009694
14	B200010238	BOM	NMIL	2	0.065464	0.130928
15	B200010262	BOM	NMIL	1	0.072168	0.072168
16	B200010268	BOM	NMIL	4	0.058450	0.233800
17	B200020024	BOM	NMIL	2	0.000424	0.000848
18	B200030083	BOM	NMIL	1	0.000712	0.000712
19	B200030107	BOM	NMIL	4	0.001906	0.007624
20	B200040120	BOM	NMIL	1	0.011646	0.011646
21	B200040133	BOM	NMIL	9	0.011646	0.104814
22	B200040139	BOM	NMIL	2	0.014119	0.028238
23	B200040141	BOM	NMIL	1	0.000362	0.000362
24	B200050036	BOM	NMIL	2	0.003013	0.006026

ITEM #	Part Number	Ref Desig	Qual Level	Quant	Individual Failure Rate (F/10^6Hrs)	Total Failure Rate (F/10^6Hrs)
25	B200090055	BOM	NMIL	1	0.001476	0.001476
26	B200110001	BOM	NMIL	1	0.002896	0.002896
27	B200110016	BOM	NMIL	1	0.002896	0.002896
28	B200110042	BOM	NMIL	1	0.002210	0.002210
29	B200110046	BOM	NMIL	1	0.002896	0.002896
30	B200110054	BOM	NMIL	1	0.003039	0.003039
31	B200110120	BOM	NMIL	1	0.002896	0.002896
32	B200110198	BOM	NMIL	1	0.002896	0.002896
33	B200110279	BOM	NMIL	1	0.002210	0.002210
34	B200110357	BOM	NMIL	2	0.002896	0.005792
35	B200110488	BOM	NMIL	1	0.002210	0.002210
36	B200110503	BOM	NMIL	1	0.002210	0.002210
37	B200110505	BOM	NMIL	7	0.002210	0.015470
38	B200110520	BOM	NMIL	1	0.002210	0.002210
39	B200110555	BOM	NMIL	2	0.002210	0.004420
40	B200110564	BOM	NMIL	2	0.002210	0.004420
41	B200110627	BOM	NMIL	3	0.002319	0.006957
42	B200110691	BOM	NMIL	4	0.002210	0.008840
43	B200110709	BOM	NMIL	2	0.002026	0.004052
44	B200110729	BOM	NMIL	1	0.002026	0.002026
45	B200110733	BOM	NMIL	14	0.002026	0.028364
46	B200110737	BOM	NMIL	2	0.002210	0.004420
47	B200110739	BOM	NMIL	7	0.002026	0.014182
48	B200110740	BOM	NMIL	2	0.002026	0.004052
49	B200110743	BOM	NMIL	1	0.002026	0.002026
50	B200110744	BOM	NMIL	2	0.002026	0.004052
51	B200110746	BOM	NMIL	2	0.002026	0.004052
52	B200110771	BOM	NMIL	2	0.002026	0.004052
53	B200110775	BOM	NMIL	1	0.002026	0.002026
54	B200110789	BOM	NMIL	1	0.002210	0.002210
55	B200110821	BOM	NMIL	1	0.002126	0.002126
56	B200110865	BOM	NMIL	1	0.002026	0.002026
57	B200111009	BOM	NMIL	3	0.002319	0.006957
58	B200120174	BOM	NMIL	1	0.004868	0.004868
59	B200160034	BOM	NMIL	1	0.029693	0.029693
60	B200160054	BOM	NMIL	1	0.002852	0.002852
61	B200170023	BOM	NMIL	2	0.003466	0.006932
62	B200170073	BOM	NMIL	1	0.002424	0.002424
63	B200170074	BOM	NMIL	4	0.002840	0.011360
64	B200190031	BOM	NMIL	1	0.013460	0.013460

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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	B200200082	BOM	NMIL	10	0.008395	0.083950
66	B200200085	BOM	NMIL	1	0.007553	0.007553
67	B200200119	BOM	NMIL	1	0.004827	0.004827
68	B200200123	BOM	NMIL	6	0.003413	0.020478
69	B200200126	BOM	NMIL	3	0.010356	0.031068
70	B200200155	BOM	NMIL	3	0.005166	0.015498
71	B200200156	BOM	NMIL	5	0.006356	0.031780
72	B200200186	BOM	NMIL	1	0.003189	0.003189
73	B200200199	BOM	NMIL	1	0.005546	0.005546
74	B200200205	BOM	NMIL	6	0.007820	0.046920
75	B200200207	BOM	NMIL	1	0.005166	0.005166
76	B200220010	BOM	NMIL	1	0.003943	0.003943
77	B200220084	BOM	NMIL	2	0.001294	0.002588
78	B200220090	BOM	NMIL	3	0.001385	0.004155
79	B200230376	BOM	NMIL	2	0.006447	0.012894
80	B200230377	BOM	NMIL	2	0.011882	0.023764
81	B200230379	BOM	NMIL	3	0.014540	0.043620
82	B200230388	BOM	NMIL	2	0.010886	0.021772
83	B200260458	BOM	NMIL	1	0.000224	0.000224
84	B200260459	BOM	NMIL	1	0.000206	0.000206
85	B200260460	BOM	NMIL	1	0.000224	0.000224
86	B200260461	BOM	NMIL	1	0.000224	0.000224
87	B200270020	BOM	NMIL	1	0.000202	0.000202
88	B200280017	BOM	NMIL	1	0.000623	0.000623
89	B200290024	BOM	NMIL	2	0.011159	0.022318
90	B200360083	BOM	NMIL	1	0.002189	0.002189
91	B210000120	BOM	NMIL	2	0.002450	0.004900
92	B210090242	BOM	SPECIAL	1	2.182912	2.182912
93	B210160091	BOM	NMIL	2	0.010000	0.020000
94	B210193017	BOM	NMIL	1	0.003870	0.003870
95	B210193078	BOM	NMIL	1	0.024248	0.024248

Total Failure Rate (F/10^6Hrs) : 6.499685
Mean Time (in hours) Between Failures (MTBF) : 153,854