

ZIPPY TECHNOLOGY CORP
10F, No. 50, MIN CHYUAN 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-29-2013 Time : 14:21:42
End Item Title : MRT SERIES MTBF
End Item Part Number : MRT-2320G-R (RoHS)
MRT-2320G-R (RoHS) MTBF : 117,673
Module Title : ZIPPY TECHNOLOGY CORP
Module Part Number : MRT / MTBF
Module Reference Designation : MRT
Environmental Condition : GB
Ambient Temperature: 25°C

MRT-2320G-R (RoHS)

ITEM #	Part Number	Ref Desig	Qual Level	Quant	Individual Failure Rate (F/10 ⁶ Hrs)	Total Failure Rate (F/10 ⁶ Hrs)
1	B102330004	BOM	NMIL	1	0.069564	0.069564
2	B103210004	BOM	NMIL	1	0.065162	0.065162
3	B104540002	BOM	NMIL	1	0.204674	0.204674
4	B104540003	BOM	NMIL	1	0.267539	0.267539
5	B200000080	BOM	SPECIAL	1	0.094935	0.094935
6	B200000252	BOM	SPECIAL	2	0.094935	0.189870
7	B200000268	BOM	SPECIAL	1	0.094935	0.094935
8	B200000308	BOM	SPECIAL	4	0.094935	0.379740
9	B200000325	BOM	SPECIAL	1	0.094935	0.094935
10	B200000442	BOM	SPECIAL	1	0.094935	0.094935
11	B200000455	BOM	SPECIAL	1	0.094935	0.094935
12	B200010009	BOM	NMIL	1	0.000798	0.000798
13	B200010022	BOM	NMIL	3	0.000798	0.002394
14	B200010052	BOM	NMIL	3	0.000798	0.002394
15	B200010175	BOM	NMIL	4	0.031398	0.125592
16	B200010176	BOM	NMIL	3	0.031398	0.094194
17	B200010192	BOM	NMIL	5	0.000798	0.003990
18	B200020021	BOM	NMIL	1	0.006751	0.006751
19	B200020024	BOM	NMIL	15	0.005156	0.077340
20	B200030019	BOM	NMIL	2	0.007617	0.015234
21	B200030023	BOM	NMIL	1	0.007617	0.007617
22	B200030042	BOM	NMIL	1	0.007617	0.007617
23	B200040015	BOM	NMIL	1	0.005967	0.005967
24	B200040059	BOM	NMIL	1	0.005967	0.005967

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25	B200040102	BOM	NMIL	1	0.016111	0.016111
26	B200040110	BOM	NMIL	1	0.016111	0.016111
27	B200050040	BOM	NMIL	5	0.005218	0.026090
28	B200050048	BOM	NMIL	1	0.005218	0.005218
29	B200060019	BOM	NMIL	1	0.014607	0.014607
30	B200090006	BOM	NMIL	1	0.001518	0.001518
31	B200110001	BOM	NMIL	1	0.004650	0.004650
32	B200110040	BOM	NMIL	2	0.004650	0.009300
33	B200110042	BOM	NMIL	2	0.004650	0.009300
34	B200110046	BOM	NMIL	1	0.004650	0.004650
35	B200110120	BOM	NMIL	1	0.004650	0.004650
36	B200110138	BOM	NMIL	1	0.004650	0.004650
37	B200110176	BOM	NMIL	1	0.004650	0.004650
38	B200110282	BOM	NMIL	1	0.004650	0.004650
39	B200110317	BOM	NMIL	1	0.004650	0.004650
40	B200110337	BOM	NMIL	2	0.005115	0.010230
41	B200110422	BOM	NMIL	2	0.004650	0.009300
42	B200110512	BOM	NMIL	1	0.004650	0.004650
43	B200110588	BOM	NMIL	1	0.004650	0.004650
44	B200110709	BOM	NMIL	2	0.004650	0.009300
45	B200110729	BOM	NMIL	4	0.004650	0.018600
46	B200110730	BOM	NMIL	1	0.004650	0.004650
47	B200110733	BOM	NMIL	16	0.004650	0.074400
48	B200110735	BOM	NMIL	1	0.004650	0.004650
49	B200110738	BOM	NMIL	7	0.004650	0.032550
50	B200110740	BOM	NMIL	2	0.004650	0.009300
51	B200110743	BOM	NMIL	1	0.004650	0.004650
52	B200110744	BOM	NMIL	1	0.004650	0.004650
53	B200110771	BOM	NMIL	1	0.005115	0.005115
54	B200110775	BOM	NMIL	2	0.004650	0.009300
55	B200110794	BOM	NMIL	1	0.004650	0.004650
56	B200110800	BOM	NMIL	2	0.004650	0.009300
57	B200110807	BOM	NMIL	1	0.004650	0.004650
58	B200110808	BOM	NMIL	4	0.004650	0.018600
59	B200110811	BOM	NMIL	1	0.004650	0.004650
60	B200110817	BOM	NMIL	1	0.004650	0.004650
61	B200110828	BOM	NMIL	1	0.004650	0.004650
62	B200110829	BOM	NMIL	3	0.007440	0.022320
63	B200110831	BOM	NMIL	3	0.004650	0.013950
64	B200110834	BOM	NMIL	2	0.004650	0.009300
65	B200110835	BOM	NMIL	2	0.004650	0.009300
66	B200110841	BOM	NMIL	1	0.004650	0.004650
67	B200110842	BOM	NMIL	1	0.004650	0.004650
68	B200110845	BOM	NMIL	1	0.004650	0.004650

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69	B200110864	BOM	NMIL	1	0.004650	0.004650
70	B200110867	BOM	NMIL	2	0.004650	0.009300
71	B200110869	BOM	NMIL	1	0.004650	0.004650
72	B200120047	BOM	NMIL	1	0.008705	0.008705
73	B200140010	BOM	NMIL	1	0.067385	0.067385
74	B200140011	BOM	NMIL	1	0.035297	0.035297
75	B200160011	BOM	NMIL	1	0.065000	0.065000
76	B200160017	BOM	NMIL	1	0.065000	0.065000
77	B200170018	BOM	NMIL	4	0.004875	0.019500
78	B200170041	BOM	NMIL	2	0.005940	0.011880
79	B200180070	BOM	N/A	1	0.008146	0.008146
80	B200180086	BOM	N/A	1	0.008146	0.008146
81	B200190035	BOM	N/A	1	0.015889	0.015889
82	B200190064	BOM	N/A	1	0.016840	0.016840
83	B200200064	BOM	N/A	1	0.008470	0.008470
84	B200200074	BOM	N/A	1	0.015274	0.015274
85	B200200092	BOM	N/A	1	0.019676	0.019676
86	B200200113	BOM	N/A	3	0.009203	0.027609
87	B200200114	BOM	N/A	3	0.011856	0.035568
88	B200200115	BOM	N/A	1	0.007791	0.007791
89	B200200116	BOM	N/A	3	0.007144	0.021432
90	B200200118	BOM	N/A	3	0.015274	0.045822
91	B200200123	BOM	N/A	1	0.005546	0.005546
92	B200200140	BOM	N/A	1	0.006048	0.006048
93	B200200142	BOM	N/A	2	0.014056	0.028112
94	B200200154	BOM	N/A	1	0.009203	0.009203
95	B200220063	BOM	N/A	1	0.002416	0.002416
96	B200230026	BOM	N/A	1	0.050508	0.050508
97	B200230198	BOM	N/A	1	0.058210	0.058210
98	B200230276	BOM	N/A	1	0.027414	0.027414
99	B200230288	BOM	N/A	4	0.019246	0.076984
100	B200230336	BOM	N/A	1	0.025409	0.025409
101	B200230338	BOM	N/A	5	0.029130	0.145650
102	B200230382	BOM	N/A	2	0.150432	0.300864
103	B200230433	BOM	N/A	7	0.048735	0.341145
104	B200250009	BOM	NMIL	1	0.023160	0.023160
105	B200260208	BOM	NMIL	1	0.027440	0.027440
106	B200260274	BOM	NMIL	1	0.027440	0.027440
107	B200280012	BOM	NMIL	3	0.015958	0.047874
108	B200290005	BOM	NMIL	1	0.013740	0.013740
109	B200300361	BOM	NMIL	1	0.003845	0.003845
110	B200300363	BOM	NMIL	1	0.026144	0.026144
111	B200300370	BOM	NMIL	1	0.003845	0.003845
112	B200300371	BOM	NMIL	1	0.003845	0.003845

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113	B200300382	BOM	NMIL	1	0.003845	0.003845
114	B200310007	BOM	NMIL	1	0.030600	0.030600
115	B210090168	BOM	KNOWNFR	2	2.098560	4.197120
116	B210160023	BOM	N/A	1	0.010000	0.010000
117	B210191725	N/A	STANDARD	1	0.015865	0.015865

Total Failure Rate (F/10 ⁶ Hrs) :	8.498151
Mean Time (in hours) Between Failures (MTBF) :	117,673