

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 : SEP-12-2016      Time : 16:43:28  
End Item Title : M1X SERIES MTBF  
End Item Part Number : M1X-3702V(RoHS)  
M1X-3702V(RoHS) MTBF : 95,314  
Module Title : ZIPPY TECHNOLOGY CORP  
Module Part Number : M1X / MTBF  
Module Reference Designation : M1X  
Environmental Condition : GB  
Ambient Temperature: 45°C

**M1X-3702V(RoHS)**

ITEM #	Part Number	Ref Desig	Qual Level	Quant	Individual Failure Rate (F/10 <sup>6</sup> Hrs)	Total Failure Rate (F/10 <sup>6</sup> Hrs)
1	B102130002	BOM	NMIL	1	0.074349	0.074349
2	B102720004	BOM	NMIL	1	0.071520	0.071520
3	B104730002	BOM	NMIL	1	0.220751	0.220751
4	B104730015	BOM	NMIL	1	0.197783	0.197783
5	B104730016	BOM	NMIL	1	0.026430	0.026430
6	B200000080	BOM	SPECIAL	2	0.094935	0.189870
7	B200000092	BOM	SPECIAL	1	0.137128	0.137128
8	B200000144	BOM	SPECIAL	1	0.094935	0.094935
9	B200000252	BOM	SPECIAL	1	0.094935	0.094935
10	B200000268	BOM	SPECIAL	1	0.094935	0.094935
11	B200000276	BOM	SPECIAL	1	0.094935	0.094935
12	B200000308	BOM	SPECIAL	3	0.094935	0.284805
13	B200000316	BOM	SPECIAL	1	0.094935	0.094935
14	B200000443	BOM	SPECIAL	1	0.094935	0.094935
15	B200010022	BOM	NMIL	1	0.000162	0.000162
16	B200010056	BOM	NMIL	4	0.000116	0.000464
17	B200010080	BOM	NMIL	2	0.059800	0.119600
18	B200010083	BOM	NMIL	2	0.010465	0.020930
19	B200010084	BOM	NMIL	1	0.054600	0.054600
20	B200010166	BOM	NMIL	1	0.004410	0.004410
21	B200010176	BOM	NMIL	2	0.059800	0.119600
22	B200010186	BOM	NMIL	2	0.059800	0.119600
23	B200020014	BOM	NMIL	1	0.006751	0.006751
24	B200020021	BOM	NMIL	1	0.006751	0.006751

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25	B200020024	BOM	NMIL	12	0.005156	0.061872
26	B200030019	BOM	NMIL	1	0.007617	0.007617
27	B200040063	BOM	NMIL	1	0.023271	0.023271
28	B200040069	BOM	NMIL	1	0.002929	0.002929
29	B200050024	BOM	NMIL	1	0.005218	0.005218
30	B200050039	BOM	NMIL	1	0.005218	0.005218
31	B200050040	BOM	NMIL	4	0.005218	0.020872
32	B200050063	BOM	NMIL	1	0.098640	0.098640
33	B200060009	BOM	NMIL	1	0.021099	0.021099
34	B200090005	BOM	NMIL	1	0.001518	0.001518
35	B200110001	BOM	NMIL	1	0.004650	0.004650
36	B200110021	BOM	NMIL	2	0.004650	0.009300
37	B200110035	BOM	NMIL	2	0.004650	0.009300
38	B200110040	BOM	NMIL	11	0.004650	0.051150
39	B200110042	BOM	NMIL	2	0.004650	0.009300
40	B200110046	BOM	NMIL	7	0.004650	0.032550
41	B200110120	BOM	NMIL	3	0.004650	0.013950
42	B200110141	BOM	NMIL	1	0.004650	0.004650
43	B200110172	BOM	NMIL	4	0.004650	0.018600
44	B200110177	BOM	NMIL	1	0.004650	0.004650
45	B200110190	BOM	NMIL	1	0.004650	0.004650
46	B200110202	BOM	NMIL	1	0.004650	0.004650
47	B200110227	BOM	NMIL	6	0.004650	0.027900
48	B200110251	BOM	NMIL	1	0.004650	0.004650
49	B200110261	BOM	NMIL	2	0.004650	0.009300
50	B200110270	BOM	NMIL	2	0.004650	0.009300
51	B200110276	BOM	NMIL	2	0.004650	0.009300
52	B200110282	BOM	NMIL	8	0.004650	0.037200
53	B200110298	BOM	NMIL	1	0.004650	0.004650
54	B200110303	BOM	NMIL	4	0.005115	0.020460
55	B200110309	BOM	NMIL	1	0.004650	0.004650
56	B200110313	BOM	NMIL	1	0.004650	0.004650
57	B200110340	BOM	NMIL	1	0.004650	0.004650
58	B200110343	BOM	NMIL	1	0.004650	0.004650
59	B200110348	BOM	NMIL	1	0.004650	0.004650
60	B200110354	BOM	NMIL	1	0.004650	0.004650
61	B200110422	BOM	NMIL	1	0.004650	0.004650
62	B200110463	BOM	NMIL	1	0.005115	0.005115
63	B200110487	BOM	NMIL	1	0.004650	0.004650
64	B200110489	BOM	NMIL	1	0.004650	0.004650

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65	B200110490	BOM	NMIL	1	0.004650	0.004650
66	B200110494	BOM	NMIL	1	0.004650	0.004650
67	B200110517	BOM	NMIL	1	0.004650	0.004650
68	B200110541	BOM	NMIL	1	0.004650	0.004650
69	B200110544	BOM	NMIL	1	0.004650	0.004650
70	B200110626	BOM	NMIL	1	0.004650	0.004650
71	B200110627	BOM	NMIL	1	0.005115	0.005115
72	B200110635	BOM	NMIL	1	0.004650	0.004650
73	B200110907	BOM	NMIL	3	0.004650	0.013950
74	B200110908	BOM	NMIL	1	0.004650	0.004650
75	B200120015	BOM	NMIL	1	0.007557	0.007557
76	B200120017	BOM	NMIL	1	0.009576	0.009576
77	B200120154	BOM	NMIL	1	0.008509	0.008509
78	B200120162	BOM	NMIL	1	0.007735	0.007735
79	B200160011	BOM	NMIL	1	0.065000	0.065000
80	B200160017	BOM	NMIL	1	0.065000	0.065000
81	B200170020	BOM	NMIL	3	0.004875	0.014625
82	B200170026	BOM	NMIL	3	0.004875	0.014625
83	B200180075	BOM	N/A	3	0.008923	0.026769
84	B200190033	BOM	N/A	1	0.013308	0.013308
85	B200190035	BOM	N/A	1	0.015889	0.015889
86	B200200057	BOM	N/A	2	0.018108	0.036216
87	B200200060	BOM	N/A	2	0.012930	0.025860
88	B200200061	BOM	N/A	3	0.008470	0.025410
89	B200200066	BOM	N/A	1	0.010911	0.010911
90	B200200069	BOM	N/A	1	0.006575	0.006575
91	B200200074	BOM	N/A	4	0.015274	0.061096
92	B200200078	BOM	N/A	1	0.010037	0.010037
93	B200200083	BOM	N/A	2	0.007144	0.014288
94	B200200156	BOM	N/A	5	0.011856	0.059280
95	B200200158	BOM	N/A	3	0.007791	0.023373
96	B200220021	BOM	N/A	1	0.002337	0.002337
97	B200220028	BOM	N/A	3	0.002647	0.007941
98	B200220041	BOM	N/A	1	0.002198	0.002198
99	B200230036	BOM	N/A	1	0.072956	0.072956
100	B200230149	BOM	N/A	1	0.079186	0.079186
101	B200230198	BOM	N/A	5	0.084081	0.420405
102	B200230276	BOM	N/A	1	0.039598	0.039598
103	B200230277	BOM	N/A	2	0.059934	0.119868

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104	B200230288	BOM	N/A	1	0.027800	0.027800
105	B200230335	BOM	N/A	1	0.258069	0.258069
106	B200230336	BOM	N/A	1	0.036702	0.036702
107	B200230338	BOM	N/A	4	0.042077	0.168308
108	B200230384	BOM	N/A	2	0.065725	0.131450
109	B200250009	BOM	NMIL	1	0.033453	0.033453
110	B200260127	BOM	NMIL	1	0.039636	0.039636
111	B200260204	BOM	NMIL	1	0.039636	0.039636
112	B200260245	BOM	NMIL	1	0.039636	0.039636
113	B200260251	BOM	NMIL	1	0.039636	0.039636
114	B200280012	BOM	NMIL	2	0.015958	0.031916
115	B200290009	BOM	NMIL	2	0.013740	0.027480
116	B200300166	BOM	NMIL	1	0.005554	0.005554
117	B200300219	BOM	NMIL	1	0.005554	0.005554
118	B200300237	BOM	NMIL	1	0.005554	0.005554
119	B200300238	BOM	NMIL	1	0.037764	0.037764
120	B200310004	BOM	NMIL	1	0.044200	0.044200
121	B210140037	BOM	KNOWNFR	2	2.666868	5.333736
122	B210160059	BOM	N/A	1	0.010000	0.010000
123	B210191721	N/A	STANDARD	1	0.020588	0.020588
124	B210191722	N/A	STANDARD	1	0.022077	0.022077

Total Failure Rate (F/10<sup>6</sup>Hrs) : 10.491635  
 Mean Time (in hours) Between Failures (MTBF) : **95,314**