

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 : SEP-17-2014 Time : 08:45:56
End Item Title : Q1N SERIES MTBF
End Item Part Number : Q1N-2400K (RoHS)
Q1N-2400K (RoHS) MTBF : 309,429
Module Title : ZIPPY TECHNOLOGY CORP
Module Part Number : Q1N / MTBF
Module Reference Designation : Q1N
Environmental Condition : GB
Ambient Temperature: 25°C

Q1N-2400K (RoHS)

ITEM #	Part Number	Ref Desig	Qual Level	Quant	Individual Failure Rate (F/10 ⁶ Hrs)	Total Failure Rate (F/10 ⁶ Hrs)
1	B104530009	BOM	NMIL	1	0.265242	0.265242
2	B104530011	BOM	NMIL	1	0.210479	0.210479
3	B104720003	BOM	NMIL	1	0.078943	0.078943
4	B200000144	BOM	SPECIAL	1	0.094935	0.094935
5	B200000308	BOM	SPECIAL	2	0.094935	0.189870
6	B200000503	BOM	SPECIAL	1	0.094935	0.094935
7	B200010022	BOM	NMIL	1	0.000798	0.000798
8	B200010052	BOM	NMIL	7	0.000798	0.005586
9	B200010098	BOM	NMIL	1	0.000798	0.000798
10	B200010109	BOM	NMIL	5	0.000798	0.003990
11	B200010166	BOM	NMIL	3	0.000798	0.002394
12	B200010176	BOM	NMIL	2	0.031398	0.062796
13	B200010185	BOM	NMIL	2	0.031398	0.062796
14	B200010186	BOM	NMIL	4	0.031398	0.125592
15	B200020017	BOM	NMIL	1	0.005156	0.005156
16	B200020020	BOM	NMIL	4	0.005156	0.020624
17	B200020021	BOM	NMIL	1	0.006751	0.006751
18	B200020024	BOM	NMIL	8	0.005156	0.041248
19	B200030064	BOM	NMIL	1	0.007617	0.007617
20	B200030065	BOM	NMIL	2	0.007617	0.015234
21	B200040073	BOM	NMIL	1	0.005967	0.005967
22	B200040101	BOM	NMIL	1	0.016111	0.016111
23	B200050032	BOM	NMIL	4	0.005218	0.020872
24	B200050035	BOM	NMIL	1	0.005218	0.005218

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25	B200060023	BOM	NMIL	1	0.014607	0.014607
26	B200070007	BOM	NMIL	2	0.006229	0.012458
27	B200110042	BOM	NMIL	10	0.004650	0.046500
28	B200110123	BOM	NMIL	9	0.004650	0.041850
29	B200110192	BOM	NMIL	2	0.004650	0.009300
30	B200110279	BOM	NMIL	4	0.004650	0.018600
31	B200110350	BOM	NMIL	2	0.005115	0.010230
32	B200110503	BOM	NMIL	1	0.005115	0.005115
33	B200110508	BOM	NMIL	1	0.004650	0.004650
34	B200110512	BOM	NMIL	3	0.004650	0.013950
35	B200110519	BOM	NMIL	1	0.004650	0.004650
36	B200110523	BOM	NMIL	1	0.004650	0.004650
37	B200110527	BOM	NMIL	1	0.004650	0.004650
38	B200110530	BOM	NMIL	2	0.004650	0.009300
39	B200110548	BOM	NMIL	1	0.004650	0.004650
40	B200110549	BOM	NMIL	1	0.004650	0.004650
41	B200110564	BOM	NMIL	1	0.004650	0.004650
42	B200110601	BOM	NMIL	1	0.004650	0.004650
43	B200110666	BOM	NMIL	2	0.004650	0.009300
44	B200110733	BOM	NMIL	1	0.004650	0.004650
45	B200110737	BOM	NMIL	4	0.004650	0.018600
46	B200110812	BOM	NMIL	1	0.004650	0.004650
47	B200160028	BOM	NMIL	1	0.065000	0.065000
48	B200160038	BOM	NMIL	1	0.105000	0.105000
49	B200170018	BOM	NMIL	2	0.004875	0.009750
50	B200170042	BOM	NMIL	2	0.004875	0.009750
51	B200180072	BOM	N/A	2	0.008552	0.017105
52	B200190076	BOM	N/A	1	0.016840	0.016840
53	B200190077	BOM	N/A	1	0.016840	0.016840
54	B200190078	BOM	N/A	1	0.014104	0.014104
55	B200200074	BOM	N/A	1	0.015274	0.015274
56	B200200075	BOM	N/A	1	0.018108	0.018108
57	B200200087	BOM	N/A	4	0.014056	0.056224
58	B200200114	BOM	N/A	1	0.011856	0.011856
59	B200200153	BOM	N/A	1	0.009203	0.009203
60	B200200156	BOM	N/A	7	0.011856	0.082992
61	B200220028	BOM	N/A	2	0.002647	0.005294
62	B200220040	BOM	N/A	2	0.002198	0.004396
63	B200230132	BOM	N/A	1	0.036220	0.036220
64	B200230277	BOM	N/A	1	0.041493	0.041493
65	B200230336	BOM	N/A	1	0.025409	0.025409
66	B200230350	BOM	N/A	3	0.144509	0.433527
67	B200230429	BOM	N/A	7	0.048735	0.341145
68	B200250035	BOM	NMIL	1	0.023160	0.023160

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69	B200260288	BOM	NMIL	2	0.027440	0.054880
70	B200280012	BOM	NMIL	1	0.015958	0.015958
71	B200290015	BOM	NMIL	8	0.013740	0.109920
72	B200300365	BOM	NMIL	1	0.003845	0.003845
73	B200300384	BOM	NMIL	1	0.003845	0.003845
74	B200300385	BOM	NMIL	1	0.026144	0.026144
75	B200300386	BOM	NMIL	1	0.026144	0.026144
76	B210160019	BOM	N/A	1	0.010000	0.010000
77	B210191782	N/A	STANDARD	1	0.022077	0.022077

Total Failure Rate (F/10⁶Hrs) : 3.231764
Mean Time (in hours) Between Failures (MTBF) : **309,429**