

MPC-8890 Rev:A0.2

Reliability Prediction Report

(MTBF)

Report NO : 04E070004

03-10-2004

Issue Stamp

Wenyuan Yang

Manager

Jessica Chou

Test Engineer

Reliability Prediction (MTBF)

- . **Model Name:** MPC-8890 (Rev.A0.2)
- . **Description:** W/Socket.479&Giga Lan&10/100 Lan
- . **Prediction Date:** March. 10, 2004
- . **Prediction Site:** AAEON Q.E. Dept.
- . **Predicted by :** Jessica Chou
- . **Equipment:** Relx Ver.7.2 Visual Reliability Software
- . **Simulation Environment:**
 - Temperature: 21.8 degrees C
 - Standard: Telcordia (Bellcore) Standard

. Term and Definition:

- | | |
|--------------|---|
| Unit | An assembly of device. |
| Duty Cycle | Used to specify the percentage of time that the element is in an on state, and it is equal to the percentage of total time the item is in the active environment. |
| Quantity | The quantity of the selected item. |
| Failure Rate | Used to specify that the failure rate is to be calculated based the selected Calculation models. The multiplier is 1,000,000. |
| MTBF | MTBF is always specified in hours. |

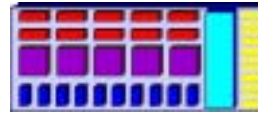
IX. Prediction Result:

Failure Rate: 17.815548 ppm
MTBF: 56,131Hours

X. Prediction Table

AAEON Reliability Prediction Report

Part Number MPC-8890-A02
Reference Des
Date 03. 10, 2004
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 21.80

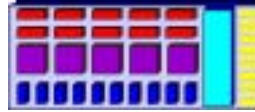


Description Top-level assembly
File Name MPC-8890-A02.RPJ
Time 4:03 PM
Failure Rate 17.815548
MTBF 56,131

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
System	MPC-8890-A02	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	17.815548	56,131

AAEON Reliability Prediction Report

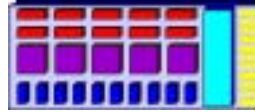
Part Number MPC-8890-A02
Reference Des
Date 03. 10, 2004
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 21.80



Description Top-level assembly
File Name MPC-8890-A02.RPJ
Time 4:03 PM
Failure Rate 17.815548
MTBF 56,131

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1655305020	Connection	CN20	Bellcore Issue 6	Level I		0.002402	1.00	.0135	0.002402	416244287.99
1112610190	Capacitor	C166	Bellcore Issue 6	Level I		0.012238	1.00	.0687	0.012238	81713736.21
14S6200400	Integrated Circuit	U18	Bellcore Issue 6	Level I		0.119389	1.00	.6701	0.119389	8375961.10
1654260201	Connection	PCI1	Bellcore Issue 6	Level I		1.441461	1.00	8.0910	1.441461	693740.48
1652522201	Connection	RJUSB1	Bellcore Issue 6	Level I		0.010571	1.00	.0593	0.010571	94600974.54
1119622193	Capacitor	EC2,EC3,TC6,TC7	Bellcore Issue 6	Level I		0.011749	4.00	.2638	0.046994	85116604.65
1653220208	Connection	IDE1	Bellcore Issue 6	Level I		0.019219	1.00	.1079	0.019219	52030536.00
1654612304	Connection	KBMS1	Bellcore Issue 6	Level I		0.005766	1.00	.0324	0.005766	173435120.00
1750119011	Miscellaneous	BAT1	Bellcore Issue 6	Level I		0.900000	1.00	5.0518	0.900000	1111111.11
1655304020	Connection	CN6	Bellcore Issue 6	Level I		0.001922	1.00	.0108	0.001922	520305359.99
1653213220	Connection	CN10	Bellcore Issue 6	Level I		0.312317	1.00	1.7531	0.312317	3201879.14
1653006100	Connection	CN14	Bellcore Issue 6	Level I		0.002883	1.00	.0162	0.002883	346870239.99
1654907000	Connection	SATA1,SATA2	Bellcore Issue 6	Level I		0.168170	2.00	1.8879	0.336341	5946346.97
1654543500	Connection	PCON1	Bellcore Issue 6	Level I		0.020661	1.00	.1160	0.020661	48400498.60
1652522200	Connection	RJUSB2	Bellcore Issue 6	Level I		0.010571	1.00	.0593	0.010571	94600974.54
1651592490	Connection	DIMM1	Bellcore Issue 6	Level I		2.210241	1.00	12.4062	2.210241	452439.44
1653003201	Connection	JP1	Bellcore Issue 6	Level I		0.072073	1.00	.4046	0.072073	13874809.60
1653003100	Connection	JP6	Bellcore Issue 6	Level I		0.036037	1.00	.2023	0.036037	27749619.20
1653003100	Connection	JP8	Bellcore Issue 6	Level I		0.001441	1.00	.0081	0.001441	693740479.98
1750220323	Connection	BAT1	Bellcore Issue 6	Level I		0.024024	1.00	.1349	0.024024	41624428.80
1655004022	Connection	CN1	Bellcore Issue 6	Level I		0.001922	1.00	.0108	0.001922	520305359.99
1655005021	Connection	CN5	Bellcore Issue 6	Level I		0.060061	1.00	.3371	0.060061	16649771.52
1655417020	Connection	CN7	Bellcore Issue 6	Level I		0.240244	1.00	1.3485	0.240244	4162442.88
1655003000	Connection	CN18,CN8	Bellcore Issue 6	Level I		0.001441	2.00	.0162	0.002883	693740479.98
1653222208	Connection	CN11	Bellcore Issue 6	Level I		0.528536	1.00	2.9667	0.528536	1892019.49
1653005200	Connection	CN17	Bellcore Issue 6	Level I		0.004805	1.00	.0270	0.004805	208122143.99
1655306121	Connection	CN19	Bellcore Issue 6	Level I		0.002883	1.00	.0162	0.002883	346870239.99
1654530300	Connection	CRTAUD1	Bellcore Issue 6	Level I		0.014415	1.00	.0809	0.014415	69374048.00
1653004200	Connection	CN4	Bellcore Issue 6	Level I		0.096097	1.00	.5394	0.096097	10406107.20
1124568280	Capacitor	C340	Bellcore Issue 6	Level I		0.000846	1.00	.0047	0.000846	1182522766.89
1124522881	Capacitor	C349	Bellcore Issue 6	Level I		0.000846	1.00	.0047	0.000846	1182522766.89

AAEON Reliability Prediction Report

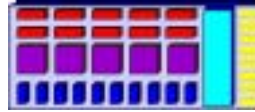


Part Number MPC-8890-A02
Reference Des
Date 03. 10, 2004
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 21.80

Description Top-level assembly
File Name MPC-8890-A02.RPJ
Time 4:03 PM
Failure Rate 17.815548
MTBF 56,131

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1122747880	Capacitor	C437	Bellcore Issue 6	Level I		0.000846	1.00	.0047	0.000846	1182522766.89
1124547280	Capacitor	C576	Bellcore Issue 6	Level I		0.000846	1.00	.0047	0.000846	1182522766.89
1301005441	Semiconductor	D10-D16,D26-D29,D9	Bellcore Issue 6	Level I		0.021761	12.00	1.4657	0.261131	45953886.23
1301053040	Semiconductor	D17,D20,D21,D23,D24,D31,D34,D-35	Bellcore Issue 6	Level I		0.021761	8.00	.9772	0.174088	45953886.23
1301005442	Semiconductor	D18,D38,D39	Bellcore Issue 6	Level I		0.021761	3.00	.3664	0.065283	45953886.23
1301005440	Semiconductor	D25,D30,D32,D33,D36,D37	Bellcore Issue 6	Level I		0.021761	6.00	.7329	0.130566	45953886.23
1111610210	Capacitor	EC1	Bellcore Issue 6	Level I		0.020396	1.00	.1145	0.020396	49028241.72
1212306035	Inductor	FB1,FB11,FB16,FB17,FB2-FB6,L15-L27	Bellcore Issue 6	Level I		0.002128	22.00	.2628	0.046825	469830354.25
1212306030	Inductor	FB12-FB15,FB25,FB26,FB30,FB31-FB34,FB38,FB7,R418	Bellcore Issue 6	Level I		0.002128	12.00	.1434	0.025541	469830354.25
1212308054	Inductor	FB10,FB20-FB23,FB27,FB9,L1,L2,-L28,L30	Bellcore Issue 6	Level I		0.002128	11.00	.1314	0.023413	469830354.25
121230603F	Inductor	FB29,FB32,FB35,FB36,FB37	Bellcore Issue 6	Level I		0.002128	5.00	.0597	0.010642	469830354.25
1653217209	Connection	FDD1	Bellcore Issue 6	Level I		0.408414	1.00	2.2925	0.408414	2448495.81
1315970110	Semiconductor	FS1-FS3,U20	Bellcore Issue 6	Level I		0.072536	4.00	1.6286	0.290146	13786165.87
1653004202	Connection	CN15,JP2	Bellcore Issue 6	Level I		0.096097	2.00	1.0788	0.192195	10406107.20
1653003202	Connection	JP3,JP5,JP7	Bellcore Issue 6	Level I		0.072073	3.00	1.2137	0.216219	13874809.60
1304001340	Semiconductor	LED1-LED5	Bellcore Issue 6	Level I		0.003628	5.00	.1018	0.018139	275645993.90
1304101340	Semiconductor	LED6	Bellcore Issue 6	Level I		0.003628	1.00	.0204	0.003628	275645993.90
1213103008	Inductor	LN1,LN2	Bellcore Issue 6	Level I		0.002128	2.00	.0239	0.004257	469830354.25
1214309000	Inductor	L3-L6	Bellcore Issue 6	Level I		0.002128	4.00	.0478	0.008514	469830354.25
1211103362	Inductor	L13,L7,L8	Bellcore Issue 6	Level I		0.080880	3.00	1.3620	0.242641	12363956.69
1211103360	Inductor	L10,L9	Bellcore Issue 6	Level I		0.080880	2.00	.9080	0.161761	12363956.69
1211100160	Inductor	L31,L32	Bellcore Issue 6	Level I		0.080880	2.00	.9080	0.161761	12363956.69
1213160008	Inductor	BP1,BP10,BP2-BP5,BP7-BP9	Bellcore Issue 6	Level I		0.002128	9.00	.1075	0.019156	469830354.25
1540775080	Resistor	BP6	Bellcore Issue 6	Level I		0.005387	1.00	.0302	0.005387	185622598.94
1653925216	Connection	CFD1	Bellcore Issue 6	Level I		0.024024	1.00	.1349	0.024024	41624428.80
1653207201	Connection	CN3	Bellcore Issue 6	Level I		0.006727	1.00	.0378	0.006727	148658674.28
1654030000	Connection	CN16	Bellcore Issue 6	Level I		0.014415	1.00	.0809	0.014415	69374048.00
1124410190	Capacitor	C1-C4,C201,C203,C554,C571,C599-C603,C607,C7	Bellcore Issue 6	Level I		0.000846	12.00	.0570	0.010148	1182522766.89

AAEON Reliability Prediction Report

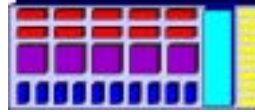


Part Number MPC-8890-A02
Reference Des
Date 03. 10, 2004
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 21.80

Description Top-level assembly
File Name MPC-8890-A02.RPJ
Time 4:03 PM
Failure Rate 17.815548
MTBF 56,131

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1129701080	Capacitor	C10,C103,C11,C114,C12,C127,C1-28,C129,C13,C168,C17,C171	Bellcore Issue 6	Level I		0.000789	12.00	.0531	0.009465	1267884959.13
1129701080	Capacitor	C178,C183,C188,C19,C195,C196,-C198,C206,C21,C22,C221	Bellcore Issue 6	Level I		0.000789	11.00	.0487	0.008676	1267884959.13
1129701080	Capacitor	C23-C25,C262,C268,C271,C273,C-279,C284,C292,C319,C356	Bellcore Issue 6	Level I		0.000789	12.00	.0531	0.009465	1267884959.13
1129701080	Capacitor	C362,C403,C404,C406,C415,C438,-C443,C464,C508,C517,C543	Bellcore Issue 6	Level I		0.000789	11.00	.0487	0.008676	1267884959.13
1129701080	Capacitor	C544,C547,C565,C57,C580,C6	Bellcore Issue 6	Level I		0.000789	6.00	.0266	0.004732	1267884959.13
1121733780	Capacitor	C182,C272,C274,C280,C8,C9	Bellcore Issue 6	Level I		0.000846	6.00	.0285	0.005074	1182522766.89
1121722650	Capacitor	C134,C16,C18,C411,C472	Bellcore Issue 6	Level I		0.000846	5.00	.0237	0.004228	1182522766.89
1121633180	Capacitor	C176,C177,C32,C550,C577,C589,-C601,C605,C609,C679	Bellcore Issue 6	Level I		0.000846	10.00	.0475	0.008456	1182522766.89
1129610050	Capacitor	C100-C102,C112,C113,C116,C117,-C120-C126,C89,C92,C94	Bellcore Issue 6	Level I		0.000789	17.00	.0753	0.013408	1267884959.13
1129610050	Capacitor	C96,C97,C99	Bellcore Issue 6	Level I		0.000789	3.00	.0133	0.002366	1267884959.13
1124515850	Capacitor	C132	Bellcore Issue 6	Level I		0.000846	1.00	.0047	0.000846	1182522766.89
1129710090	Capacitor	C167,C230,C231,C303,C306,C396,-C435,C436,C456,C457	Bellcore Issue 6	Level I		0.000846	10.00	.0475	0.008456	1182522766.89
105A515003	Resistor	R542,R587,R605,R633,R693,R695	Bellcore Issue 6	Level I		0.001113	6.00	.0375	0.006675	898810031.27
105A522663	Resistor	R553	Bellcore Issue 6	Level I		0.001113	1.00	.0062	0.001113	898810031.27
105A560463	Resistor	R283,R284,R555,R671,R678	Bellcore Issue 6	Level I		0.001113	5.00	.0312	0.005563	898810031.27
105A513703	Resistor	R570	Bellcore Issue 6	Level I		0.001113	1.00	.0062	0.001113	898810031.27
105A549963	Resistor	R575	Bellcore Issue 6	Level I		0.001113	1.00	.0062	0.001113	898810031.27
105A530103	Resistor	R606,R632	Bellcore Issue 6	Level I		0.001113	2.00	.0125	0.002225	898810031.27
105A524303	Resistor	R654	Bellcore Issue 6	Level I		0.001113	1.00	.0062	0.001113	898810031.27
105A519103	Resistor	R682	Bellcore Issue 6	Level I		0.001113	1.00	.0062	0.001113	898810031.27
105A532423	Resistor	R684	Bellcore Issue 6	Level I		0.001113	1.00	.0062	0.001113	898810031.27
14S3020100	Integrated Circuit	U2	Bellcore Issue 6	Level I		0.046856	1.00	.2630	0.046856	21341911.51
1124405080	Capacitor	C218-C220,C232-C234,C267,C283,-C352,C353	Bellcore Issue 6	Level I		0.000846	10.00	.0475	0.008456	1182522766.89
14S4070610	Integrated Circuit	U10	Bellcore Issue 6	Level I		0.046856	1.00	.2630	0.046856	21341911.51
14S4630000	Integrated Circuit	U12	Bellcore Issue 6	Level I	15.60	0.079118	1.00	.4441	0.079118	12639337.65
105A710039	Resistor	R234,R267,R303,R37,R38,R408,R-451,R584,R628,R629,R630,R638	Bellcore Issue 6	Level I		0.001206	12.00	.0812	0.014472	829208549.52
1050700002	Resistor	L14,R62-R64	Bellcore Issue 6	Level I		0.001115	4.00	.0250	0.004462	896476151.64

AAEON Reliability Prediction Report

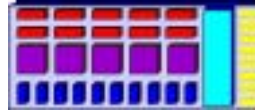


Part Number MPC-8890-A02
Reference Des
Date 03. 10, 2004
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 21.80

Description Top-level assembly
File Name MPC-8890-A02.RPJ
Time 4:03 PM
Failure Rate 17.815548
MTBF 56,131

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1059702261	Resistor	R115,R116,R119,R478,R494,R501-R517,R531,R567,R687-R689	Bellcore Issue 6	Level I		0.001113	12.00	.0749	0.013351	898810031.27
105A533203	Resistor	R128,R130,R139,R145	Bellcore Issue 6	Level I		0.001113	4.00	.0250	0.004450	898810031.27
105A503033	Resistor	R135,R272,R273,R397,R423,R479	Bellcore Issue 6	Level I		0.001113	6.00	.0375	0.006675	898810031.27
105A705133	Resistor	R142,R308,R345,R356,R382,R413-R425,R484,R487,R525	Bellcore Issue 6	Level I		0.001113	10.00	.0625	0.011126	898810031.27
105A702423	Resistor	R266,R331,R732	Bellcore Issue 6	Level I		0.001113	3.00	.0187	0.003338	898810031.27
105A505633	Resistor	R270,R278	Bellcore Issue 6	Level I		0.001113	2.00	.0125	0.002225	898810031.27
1059700001	Resistor	FB18,FB19,FB24,FB28,L29,R275,R277,R280,R314,R315,R483,R496	Bellcore Issue 6	Level I		0.001113	12.00	.0749	0.013351	898810031.27
1059700001	Resistor	R530,R672,R702	Bellcore Issue 6	Level I		0.001113	3.00	.0187	0.003338	898810031.27
105A700003	Resistor	FB33,FB8,R293,R302,R352	Bellcore Issue 6	Level I		0.001113	5.00	.0312	0.005563	898810031.27
105A554903	Resistor	R316	Bellcore Issue 6	Level I		0.001113	1.00	.0062	0.001113	898810031.27
105A506823	Resistor	R383,R420	Bellcore Issue 6	Level I		0.001113	2.00	.0125	0.002225	898810031.27
105A556223	Resistor	R415,R416	Bellcore Issue 6	Level I		0.001113	2.00	.0125	0.002225	898810031.27
105A547503	Resistor	R441	Bellcore Issue 6	Level I		0.001113	1.00	.0062	0.001113	898810031.27
105A500233	Resistor	R447,R449,R488	Bellcore Issue 6	Level I		0.001113	3.00	.0187	0.003338	898810031.27
105A707523	Resistor	R482	Bellcore Issue 6	Level I		0.001113	1.00	.0062	0.001113	898810031.27
105A527463	Resistor	R492,R586,R615,R624,R647	Bellcore Issue 6	Level I		0.001113	5.00	.0312	0.005563	898810031.27
105A571533	Resistor	R497	Bellcore Issue 6	Level I		0.001113	1.00	.0062	0.001113	898810031.27
105A524963	Resistor	R521,R576	Bellcore Issue 6	Level I		0.001113	2.00	.0125	0.002225	898810031.27
14S4147600	Inductor	U17	Bellcore Issue 6	Level I		0.127706	1.00	.7168	0.127706	7830505.90
1651203291	Connection	U18	Bellcore Issue 6	Level I		0.015376	1.00	.0863	0.015376	65038170.00
14S4048501	Integrated Circuit	U19,U24	Bellcore Issue 6	Level I		0.046856	2.00	.5260	0.093712	21341911.51
14S1488000	Integrated Circuit	U21	Bellcore Issue 6	Level I		0.046856	1.00	.2630	0.046856	21341911.51
14S5A05300	Integrated Circuit	U29	Bellcore Issue 6	Level I		0.046856	1.00	.2630	0.046856	21341911.51
14S2303700	Integrated Circuit	U31	Bellcore Issue 6	Level I	9.20	0.091286	1.00	.5124	0.091286	10954631.16
14S5A00401	Integrated Circuit	U32,U33	Bellcore Issue 6	Level I		0.017012	2.00	.1910	0.034025	58780505.25
14S4148500	Integrated Circuit	U35	Bellcore Issue 6	Level I	10.40	0.076930	1.00	.4318	0.076930	12998819.55
14S4261600	Integrated Circuit	U40	Bellcore Issue 6	Level I	12.90	0.075297	1.00	.4226	0.075297	13280803.74
14S5A00600	Integrated Circuit	U42	Bellcore Issue 6	Level I		0.031328	1.00	.1758	0.031328	31920567.47
1231316051	Miscellaneous	Y1	Bellcore Issue 6	Level I		0.150000	1.00	.8420	0.150000	6666666.67

AAEON Reliability Prediction Report



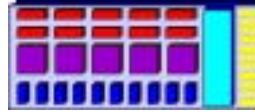
Part Number MPC-8890-A02
Reference Des
Date 03. 10, 2004
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 21.80

Description Top-level assembly
File Name MPC-8890-A02.RPJ
Time 4:03 PM
Failure Rate 17.815548
MTBF 56,131

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1231325050	Miscellaneous	Y4,Y5	Bellcore Issue 6	Level I		0.150000	2.00	1.6839	0.300000	6666666.67
1211100102	Inductor	L33	Bellcore Issue 6	Level I		0.080880	1.00	.4540	0.080880	12363956.69
1654262300	Connection	MPC11	Bellcore Issue 6	Level I		0.059580	1.00	.3344	0.059580	16784043.87
1311390610	Semiconductor	Q16,Q2	Bellcore Issue 6	Level I		0.021761	2.00	.2443	0.043522	45953886.23
1315993310	Semiconductor	Q3	Bellcore Issue 6	Level I		0.145073	1.00	.8143	0.145073	6893082.93
1315992601	Semiconductor	Q10	Bellcore Issue 6	Level I	13.40	0.211378	1.00	1.1865	0.211378	4730871.37
1315992601	Semiconductor	Q7,Q8	Bellcore Issue 6	Level I		0.145073	2.00	1.6286	0.290146	6893082.93
14S3156500	Integrated Circuit	Q11	Bellcore Issue 6	Level I	28.80	0.333070	1.00	1.8695	0.333070	3002374.37
14S3156500	Integrated Circuit	Q33	Bellcore Issue 6	Level I	13.80	0.125529	1.00	.7046	0.125529	7966288.17
1315776010	Semiconductor	Q12	Bellcore Issue 6	Level I		0.145073	1.00	.8143	0.145073	6893082.93
1315776010	Semiconductor	Q13	Bellcore Issue 6	Level I	12.50	0.206313	1.00	1.1580	0.206313	4847010.84
1315668011	Semiconductor	Q34	Bellcore Issue 6	Level I		0.072536	1.00	.4072	0.072536	13786165.87
1315700310	Semiconductor	Q40	Bellcore Issue 6	Level I	10.50	0.097694	1.00	.5484	0.097694	10236057.47
1315700310	Semiconductor	Q43	Bellcore Issue 6	Level I	10.50	0.097694	1.00	.5484	0.097694	10236057.47
1315441012	Semiconductor	Q44-Q46	Bellcore Issue 6	Level I		0.072536	3.00	1.2215	0.217609	13786165.87
1315035200	Semiconductor	Q53-Q56	Bellcore Issue 6	Level I		0.145073	3.00	2.4429	0.435219	6893082.93
1540710080	Resistor	RP2-RP5	Bellcore Issue 6	Level I		0.005387	4.00	.1210	0.021549	185622598.94
1540756081	Resistor	RP24-RP41	Bellcore Issue 6	Level I		0.005387	18.00	.5443	0.096971	185622598.94
1540782282	Resistor	RP42-RP44,RP46-RP56	Bellcore Issue 6	Level I		0.005387	14.00	.4233	0.075422	185622598.94
105A702203	Resistor	R1,R2,R34,R353,R5	Bellcore Issue 6	Level I		0.001113	5.00	.0312	0.005563	898810031.27
105A704733	Resistor	R247,R248,R269,R370,R4	Bellcore Issue 6	Level I		0.001113	5.00	.0312	0.005563	898810031.27
105A507503	Resistor	R185,R6,R7,R716,R723,R728,R8	Bellcore Issue 6	Level I		0.001113	7.00	.0437	0.007788	898810031.27
105A733009	Resistor	R11,R125,R127,R13,R14,R237-R2-41,R327,R549,R551,R580,R602	Bellcore Issue 6	Level I		0.001112	15.00	.0936	0.016681	899242448.26
105A733009	Resistor	R709,R717,R721,R724,R726,R739-R746,R89	Bellcore Issue 6	Level I		0.001112	8.00	.0499	0.008896	899242448.26
105A702229	Resistor	R132,R133,R20,R24,R254,R28,R31-R310,R346,R347,R508-R511	Bellcore Issue 6	Level I		0.001112	14.00	.0874	0.015569	899242448.26
105A702229	Resistor	R582,R596,R635-R637,R646,R648-R649	Bellcore Issue 6	Level I		0.001112	8.00	.0499	0.008896	899242448.26
105A703309	Resistor	R22,R279,R282,R342,R362,R363,-R39,R436,R514,R515,R547	Bellcore Issue 6	Level I		0.001112	11.00	.0687	0.012233	899242448.26
105A703309	Resistor	R548,E659,E736,E94,R95	Bellcore Issue 6	Level I		0.001112	5.00	.0312	0.005560	899242448.26

AAEON Reliability Prediction Report

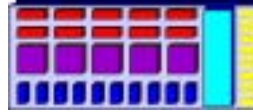
Part Number MPC-8890-A02
Reference Des
Date 03. 10, 2004
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 21.80



Description Top-level assembly
File Name MPC-8890-A02.RPJ
Time 4:03 PM
Failure Rate 17.815548
MTBF 56,131

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A700139	Resistor	R110,R111,R136,R137,R233,R243-R255,R30,R307,R330,R35	Bellcore Issue 6	Level I		0.001112	11.00	.0687	0.012233	899242448.26
105A700139	Resistor	R350,R361,R365,R376,R381,R393-R396,R426,R440,R450,R46	Bellcore Issue 6	Level I		0.001112	11.00	.0687	0.012233	899242448.26
105A700139	Resistor	R468,R481,R486,R572,R585,R592-R593,R610,R620,R634,R667	Bellcore Issue 6	Level I		0.001112	11.00	.0687	0.012233	899242448.26
105A700139	Resistor	R708,R734,R743	Bellcore Issue 6	Level I		0.001112	3.00	.0187	0.003336	899242448.26
1124522280	Capacitor	C207,C209	Bellcore Issue 6	Level I		0.000846	2.00	.0095	0.001691	1182522766.89
1124427080	Capacitor	C214,C215,C216,C217	Bellcore Issue 6	Level I		0.000846	4.00	.0190	0.003383	1182522766.89
1121733380	Capacitor	C244	Bellcore Issue 6	Level I		0.000846	1.00	.0047	0.000846	1182522766.89
1211100860	Inductor	L11,L12	Bellcore Issue 6	Level I		0.080880	2.00	.9080	0.161761	12363956.69
1129701690	Capacitor	BC1-BC3,C104-C111,C118,C119,C-130,C131,C133,C135,C136	Bellcore Issue 6	Level I		0.000846	18.00	.0854	0.015222	1182522766.89
1129701690	Capacitor	C139-C142,C147-C149,C15,C150--C160,C163,C20,C212,C213	Bellcore Issue 6	Level I		0.000846	23.00	.1092	0.019450	1182522766.89
1129701690	Capacitor	C222,C224,C226,C228,C229,C235--C238,C243,C255,C260,C261	Bellcore Issue 6	Level I		0.000846	13.00	.0617	0.010993	1182522766.89
1129701690	Capacitor	C263,C266,C27,C270,C275-278,C-28,C282,C286,C288,C289,C29	Bellcore Issue 6	Level I		0.000846	14.00	.0665	0.011839	1182522766.89
1129701690	Capacitor	C290,C293,C297,C30,C300-C302,-C307,C310,C312,C314-C316	Bellcore Issue 6	Level I		0.000846	13.00	.0617	0.010993	1182522766.89
1129701690	Capacitor	C318,C33,C335-C338,C342-C348,-C35,C350,C354,C357,C358	Bellcore Issue 6	Level I		0.000846	18.00	.0854	0.015222	1182522766.89
1129701690	Capacitor	C360,C361,C366-C370,C378,C379-C38,C380,C383,C384,C392	Bellcore Issue 6	Level I		0.000846	14.00	.0665	0.011839	1182522766.89
1129701690	Capacitor	C393-C395,C399,C400,C402,C407-C413,C418,C419,C42,C420	Bellcore Issue 6	Level I		0.000846	12.00	.0570	0.010148	1182522766.89
1129701690	Capacitor	C422-C428,C43,C430,C433,C434,-C439,C44,C440-C442,C445	Bellcore Issue 6	Level I		0.000846	17.00	.0807	0.014376	1182522766.89
1129701690	Capacitor	C446-C448,C45,C450-C454,C458,-C459,C461,C463,C466,C467	Bellcore Issue 6	Level I		0.000846	15.00	.0712	0.012685	1182522766.89
1129701690	Capacitor	C468,C469,C47,C473,C474,C476,-C477,C48,C482,C484,C485	Bellcore Issue 6	Level I		0.000846	11.00	.0522	0.009302	1182522766.89
1129701690	Capacitor	C486-C488,C490,C491,C494,C496-C499,C500-C507,C511-C513	Bellcore Issue 6	Level I		0.000846	19.00	.0902	0.016067	1182522766.89
1129701690	Capacitor	C515,C516,C518,C522,C526,C527-C530,C531,C533-C535,C540	Bellcore Issue 6	Level I		0.000846	12.00	.0570	0.010148	1182522766.89
1129701690	Capacitor	C545,C546,C548,C55,C551,C555--C559,C563,C564,C569,C572	Bellcore Issue 6	Level I		0.000846	15.00	.0712	0.012685	1182522766.89

AAEON Reliability Prediction Report

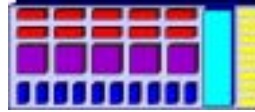


Part Number MPC-8890-A02
Reference Des
Date 03. 10, 2004
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 21.80

Description Top-level assembly
File Name MPC-8890-A02.RPJ
Time 4:03 PM
Failure Rate 17.815548
MTBF 56,131

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1129701690	Capacitor	C573-C575,C578,C579,C58,C583--C585,C586,C587,C592,C593	Bellcore Issue 6	Level I		0.000846	13.00	.0617	0.010993	1182522766.89
1129701690	Capacitor	C594-C598,C602,C610-C612,C615-C616,C618,C620,C621,C623	Bellcore Issue 6	Level I		0.000846	15.00	.0712	0.012685	1182522766.89
1129701690	Capacitor	C625,C626,C628,C630,C632,C635-C636,C637,C639,C641,C642	Bellcore Issue 6	Level I		0.000846	11.00	.0522	0.009302	1182522766.89
1129701690	Capacitor	C644,C646,C648,C649,C651,C654-C656,C658,C659,C661,C663	Bellcore Issue 6	Level I		0.000846	11.00	.0522	0.009302	1182522766.89
1129701690	Capacitor	C664,C666,C667,C669,C670,C673-C676,C69-C71,C76-C79,C82	Bellcore Issue 6	Level I		0.000846	17.00	.0807	0.014376	1182522766.89
1129701690	Capacitor	C83,C84,C86,C90,C91,C95,CB1,C-B2	Bellcore Issue 6	Level I		0.000846	8.00	.0380	0.006765	1182522766.89
1759100006	Miscellaneous	BUZZ1	Bellcore Issue 6	Level I		0.150000	1.00	.8420	0.150000	6666666.67
1653205201	Connection	CN2	Bellcore Issue 6	Level I		0.004805	1.00	.0270	0.004805	208122143.99
1653205201	Connection	CN12,CN13,CN9	Bellcore Issue 6	Level I		0.120122	3.00	2.0228	0.360365	8324885.76
1174510180	Capacitor	CP1,CP10-CP12,CP2-CP9	Bellcore Issue 6	Level I		0.000846	12.00	.0570	0.010148	1182522766.89
1129710050	Capacitor	C143-C146,C164,C170,C187,C192-C200,C210,C225,C26,C265	Bellcore Issue 6	Level I		0.000789	13.00	.0576	0.010253	1267884959.13
1129710050	Capacitor	C281,C296,C304,C305,C34,C341,-C36,C365,C37,C372-C375	Bellcore Issue 6	Level I		0.000789	13.00	.0576	0.010253	1267884959.13
1129710050	Capacitor	C39,C401,C408,C410,C414,C416,-C444,C471,C475,C478,C481	Bellcore Issue 6	Level I		0.000789	11.00	.0487	0.008676	1267884959.13
1129710050	Capacitor	C492,C493,C497,C498,C5,C514,C-519,C523-C525,C528,C529	Bellcore Issue 6	Level I		0.000789	12.00	.0531	0.009465	1267884959.13
1129710050	Capacitor	C532,C537,C538,C542,C561,C568-C588,C590,C60,C606,C62	Bellcore Issue 6	Level I		0.000789	11.00	.0487	0.008676	1267884959.13
1129710050	Capacitor	C677,C678,C680,C681,C74,C75,C-80,C88,C93,C98,EC4,EC5	Bellcore Issue 6	Level I		0.000789	12.00	.0531	0.009465	1267884959.13
1124510280	Capacitor	C14,C185,C186,C190,C191,C205,-C223,C409,C431,C549,C562	Bellcore Issue 6	Level I		0.000846	11.00	.0522	0.009302	1182522766.89
1124510280	Capacitor	C566,C582	Bellcore Issue 6	Level I		0.000846	2.00	.0095	0.001691	1182522766.89
1129747650	Capacitor	C264,C291,C299,C31,C371,C581,-C59,C61,C613,C63,C631	Bellcore Issue 6	Level I		0.000789	11.00	.0487	0.008676	1267884959.13
1129747650	Capacitor	C653,C672	Bellcore Issue 6	Level I		0.000789	2.00	.0089	0.001577	1267884959.13
1124427090	Capacitor	C137,C138,C239,C240,C40,C41,C-72,C73	Bellcore Issue 6	Level I		0.000846	8.00	.0380	0.006765	1182522766.89
1129701790	Capacitor	C165,C204,C245-C248,C252,C253-C256-C259,C269,C287,C313	Bellcore Issue 6	Level I		0.000846	15.00	.0712	0.012685	1182522766.89
1129701790	Capacitor	C317,C359,C376,C385,C391,C398-C412,C417,C421,C432,C449	Bellcore Issue 6	Level I		0.000846	11.00	.0522	0.009302	1182522766.89

AAEON Reliability Prediction Report

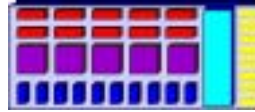


Part Number MPC-8890-A02
Reference Des
Date 03. 10, 2004
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 21.80

Description Top-level assembly
File Name MPC-8890-A02.RPJ
Time 4:03 PM
Failure Rate 17.815548
MTBF 56,131

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1129701790	Capacitor	C465,C479,C480,C489,C495,C509-C520,C521,C614,C617,C619	Bellcore Issue 6	Level I		0.000846	11.00	.0522	0.009302	1182522766.89
1129701790	Capacitor	C622,C624,C627,C629,C633,C634-C638,C640,C643,C645,C647	Bellcore Issue 6	Level I		0.000846	11.00	.0522	0.009302	1182522766.89
1129701790	Capacitor	C650,C652,C655,C657,C660,C662-C665,C668,C671	Bellcore Issue 6	Level I		0.000846	9.00	.0427	0.007611	1182522766.89
1124533190	Capacitor	C169,C172-C175,C179-C181,C184-C189,C193,C197,C199,C202	Bellcore Issue 6	Level I		0.000846	14.00	.0665	0.011839	1182522766.89
1124533190	Capacitor	C241,C242	Bellcore Issue 6	Level I		0.000846	2.00	.0095	0.001691	1182522766.89
14S3128420	Integrated Circuit	U27	Bellcore Issue 6	Level I		0.032491	1.00	.1824	0.032491	30777839.97
14S4871201	Integrated Circuit	U30	Bellcore Issue 6	Level I	12.80	0.067887	1.00	.3811	0.067887	14730307.68
14S3033800	Integrated Circuit	U34	Bellcore Issue 6	Level I		0.046856	1.00	.2630	0.046856	21341911.51
14S5A00700	Integrated Circuit	U39	Bellcore Issue 6	Level I		0.060731	1.00	.3409	0.060731	16466011.09
14S4701100	Integrated Circuit	U41	Bellcore Issue 6	Level I		0.032491	1.00	.1824	0.032491	30777839.97
1231314350	Miscellaneous	Y2	Bellcore Issue 6	Level I		0.150000	1.00	.8420	0.150000	6666666.67
1231332721	Miscellaneous	Y6	Bellcore Issue 6	Level I		0.150000	1.00	.8420	0.150000	6666666.67
1211106870	Inductor	L34	Bellcore Issue 6	Level I		0.002128	1.00	.0119	0.002128	469830354.25
1315700211	Semiconductor	Q1,Q14,Q15,Q20,Q21,Q23,Q25,Q2-6,Q31,Q32,Q35-Q38,Q4,Q52	Bellcore Issue 6	Level I		0.021761	16.00	1.9543	0.348175	45953886.23
1315700211	Semiconductor	Q55	Bellcore Issue 6	Level I		0.021761	1.00	.1221	0.021761	45953886.23
1315030110	Semiconductor	Q47,Q48,Q5,Q6	Bellcore Issue 6	Level I		0.072536	4.00	1.6286	0.290146	13786165.87
1310390410	Semiconductor	Q19,Q49,Q50,Q9	Bellcore Issue 6	Level I		0.021761	4.00	.4886	0.087044	45953886.23
1311006910	Semiconductor	Q30	Bellcore Issue 6	Level I	15.40	0.033445	1.00	.1877	0.033445	29899388.59
1311006910	Semiconductor	Q29	Bellcore Issue 6	Level I	17.90	0.035719	1.00	.2005	0.035719	27995933.30
1315600311	Semiconductor	Q42	Bellcore Issue 6	Level I	10.60	0.097962	1.00	.5499	0.097962	10208076.17
1315600311	Semiconductor	Q39	Bellcore Issue 6	Level I	9.90	0.096099	1.00	.5394	0.096099	10405952.18
1315030210	Semiconductor	Q51	Bellcore Issue 6	Level I		0.000000	1.00	.0000	0.000000	.00
1540782280	Resistor	RP1	Bellcore Issue 6	Level I		0.005387	1.00	.0302	0.005387	185622598.94
1540710084	Resistor	RP10-RP23,RP6-RP9	Bellcore Issue 6	Level I		0.005387	18.00	.5443	0.096971	185622598.94
106B501031	Resistor	RT1-RT3	Bellcore Issue 6	Level I		0.009610	3.00	.1618	0.028829	104061072.00
105A708229	Resistor	R118,R227,R245,R3,R437,R446,R-506,R513,R520,R528,R532	Bellcore Issue 6	Level I		0.001112	11.00	.0687	0.012233	899242448.26
105A708229	Resistor	R619,R703	Bellcore Issue 6	Level I		0.001112	2.00	.0125	0.002224	899242448.26
105A700009	Resistor	R10,R124,R146,R15,R16,R183,R1-84,R228,R251,R259,R264	Bellcore Issue 6	Level I		0.001112	11.00	.0687	0.012233	899242448.26

AAEON Reliability Prediction Report

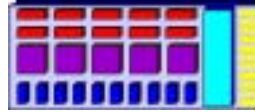


Part Number MPC-8890-A02
Reference Des
Date 03. 10, 2004
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 21.80

Description Top-level assembly
File Name MPC-8890-A02.RPJ
Time 4:03 PM
Failure Rate 17.815548
MTBF 56,131

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A700009	Resistor	R265,R343,R351,R354,R357,R36,- R364,R374,R389-R391,R405	Bellcore Issue 6	Level I		0.001112	12.00	.0749	0.013345	899242448.26
105A700009	Resistor	R406,R407,R41,R419,R43,R434,R- 445,R466,R471,R475,R491	Bellcore Issue 6	Level I		0.001112	11.00	.0687	0.012233	899242448.26
105A700009	Resistor	R503,R504,R537,R559,R571,R601- R608,R639,R640,R656,R662	Bellcore Issue 6	Level I		0.001112	11.00	.0687	0.012233	899242448.26
105A700009	Resistor	R676,R698,R70,R700,R731,R74,R- 744,R745,R79,R80,R90,R98	Bellcore Issue 6	Level I		0.001112	12.00	.0749	0.013345	899242448.26
105A701039	Resistor	R117,R120,R122,R126,R143,R18,- R281,R309,R32,R33,R358	Bellcore Issue 6	Level I		0.001112	11.00	.0687	0.012233	899242448.26
105A701039	Resistor	R359,R401-R403,R42,R424,R452,- R453,R467,R476,R477,R480	Bellcore Issue 6	Level I		0.001112	12.00	.0749	0.013345	899242448.26
105A701039	Resistor	R523,R544,R545,R560,R563,R591- R675,R680,R691,R733,R738	Bellcore Issue 6	Level I		0.001112	11.00	.0687	0.012233	899242448.26
105A701039	Resistor	R87,R88	Bellcore Issue 6	Level I		0.001112	2.00	.0125	0.002224	899242448.26
105A704729	Resistor	R229,R23,R242,R250,R252,R253,- R256-R258,R260-R263,R328	Bellcore Issue 6	Level I		0.001112	14.00	.0874	0.015569	899242448.26
105A704729	Resistor	R329,R332-R335,R338,R339,R377- R433,R435,R526,R527,R536	Bellcore Issue 6	Level I		0.001112	13.00	.0811	0.014457	899242448.26
105A704729	Resistor	R546,R657,R660,R661,R67,R68,R- 729,R735,R737,R742,R86	Bellcore Issue 6	Level I		0.001112	11.00	.0687	0.012233	899242448.26
1189615187	Capacitor	C194,C227,TC1,TC2,TC23,TC27,T- C29,TC3,TC4,TC8	Bellcore Issue 6	Level I		0.004257	10.00	.2389	0.042569	234915177.13
1189615187	Capacitor	TC24	Bellcore Issue 6	Level I	11.10	0.005274	1.00	.0296	0.005274	189622271.77
14S4254102	Integrated Circuit	U5	Bellcore Issue 6	Level I	17.30	0.062479	1.00	.3507	0.062479	16005498.75
14S4255100	Integrated Circuit	U6	Bellcore Issue 6	Level I	20.20	0.070428	1.00	.3953	0.070428	14198843.32
14S6334610	Integrated Circuit	U25	Bellcore Issue 6	Level I	13.90	0.065142	1.00	.3656	0.065142	15351076.33
14S6334610	Integrated Circuit	U26	Bellcore Issue 6	Level I	13.50	0.063387	1.00	.3558	0.063387	15775998.57
14S6334610	Integrated Circuit	U7	Bellcore Issue 6	Level I		0.024150	1.00	.1356	0.024150	41407377.96
14S4050100	Integrated Circuit	U8	Bellcore Issue 6	Level I	14.10	0.072913	1.00	.4093	0.072913	13714901.18
14S5A00820	Integrated Circuit	U28,U36,U38,U9	Bellcore Issue 6	Level I		0.046856	4.00	1.0520	0.187425	21341911.51
14S3260100	Integrated Circuit	U11	Bellcore Issue 6	Level I		0.032491	1.00	.1824	0.032491	30777839.97
1651609990	Connection	U13	Bellcore Issue 6	Level I		0.011532	1.00	.0647	0.011532	86717560.00
14S4021310	Integrated Circuit	U15	Bellcore Issue 6	Level I	10.70	0.101384	1.00	.5691	0.101384	9863443.15
14S4021310	Integrated Circuit	U14	Bellcore Issue 6	Level I	9.90	0.095879	1.00	.5382	0.095879	10429808.34
14S4021310	Integrated Circuit	U22,U23	Bellcore Issue 6	Level I		0.046856	2.00	.5260	0.093712	21341911.51

AAEON Reliability Prediction Report



Part Number MPC-8890-A02
Reference Des
Date 03. 10, 2004
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 21.80

Description Top-level assembly
File Name MPC-8890-A02.RPJ
Time 4:03 PM
Failure Rate 17.815548
MTBF 56,131

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A503309	Resistor	R100-R109,R44,R45,R48-R59,R96-R99	Bellcore Issue 6	Level I		0.001112	26.00	.1623	0.028913	899242448.26
1059700101	Resistor	R569,R573,R621,R622,R623,R670-R69,R81,R82	Bellcore Issue 6	Level I		0.001113	9.00	.0562	0.010013	898810031.27
105A501039	Resistor	R131,R140,R144,R360,R368,R378-R384,R395,R421,R448,R465	Bellcore Issue 6	Level I		0.001112	11.00	.0687	0.012233	899242448.26
105A501039	Resistor	R607,R715,R718,R719,R720,R75	Bellcore Issue 6	Level I		0.001112	6.00	.0375	0.006672	899242448.26
105A700103	Resistor	R121,R566,R568,R685,R692	Bellcore Issue 6	Level I		0.001113	5.00	.0312	0.005563	898810031.27
105A578703	Resistor	R129,R138	Bellcore Issue 6	Level I		0.001113	2.00	.0125	0.002225	898810031.27
105A701009	Resistor	R134,R147-R174,R176-R177,R179-R180,R442,R485,R519	Bellcore Issue 6	Level I		0.001112	36.00	.2247	0.040034	899242448.26
105A561903	Resistor	R141,R317	Bellcore Issue 6	Level I		0.001113	2.00	.0125	0.002225	898810031.27
105A514003	Resistor	R186	Bellcore Issue 6	Level I		0.001113	1.00	.0062	0.001113	898810031.27
105A705609	Resistor	R187-R226,R539,R541,R562,R604-R613,R614	Bellcore Issue 6	Level I		0.001112	46.00	.2871	0.051154	899242448.26
105A707533	Resistor	R268	Bellcore Issue 6	Level I		0.001113	1.00	.0062	0.001113	898810031.27
105A701533	Resistor	R271,R274,R372,R373	Bellcore Issue 6	Level I		0.001113	4.00	.0250	0.004450	898810031.27
105A549969	Resistor	R290,R291,R294-R301,R454-R461-R626,R650,R663,R669	Bellcore Issue 6	Level I		0.001112	22.00	.1373	0.024465	899242448.26
14S3065500	Integrated Circuit	U4	Bellcore Issue 6	Level I	14.80	0.075753	1.00	.4252	0.075753	13200734.02
105A703323	Resistor	R313,R318,R321,R326,R344	Bellcore Issue 6	Level I		0.001113	5.00	.0312	0.005563	898810031.27
105A710053	Resistor	R341,R431,R516,R522	Bellcore Issue 6	Level I		0.006675	4.00	.1499	0.026702	149801671.88
105A510009	Resistor	R355,R581,R627,R651,R653,R664-R668,R704-R707,R710,R711	Bellcore Issue 6	Level I		0.001112	13.00	.0811	0.014457	899242448.26
105A510009	Resistor	R714,R741	Bellcore Issue 6	Level I		0.001112	2.00	.0125	0.002224	899242448.26
105A523233	Resistor	R414	Bellcore Issue 6	Level I		0.001113	1.00	.0062	0.001113	898810031.27
105A512033	Resistor	R417,R470	Bellcore Issue 6	Level I		0.001113	2.00	.0125	0.002225	898810031.27
105A516513	Resistor	R428	Bellcore Issue 6	Level I		0.001113	1.00	.0062	0.001113	898810031.27
105A501133	Resistor	R443	Bellcore Issue 6	Level I		0.001113	1.00	.0062	0.001113	898810031.27
105A502033	Resistor	R462	Bellcore Issue 6	Level I		0.001113	1.00	.0062	0.001113	898810031.27
105A568123	Resistor	R469,R499	Bellcore Issue 6	Level I		0.001113	2.00	.0125	0.002225	898810031.27
105A500133	Resistor	R489,R616,R617,R631	Bellcore Issue 6	Level I		0.001113	4.00	.0250	0.004450	898810031.27
105A554963	Resistor	R493,R589,625	Bellcore Issue 6	Level I		0.001113	3.00	.0187	0.003338	898810031.27
105A517423	Resistor	R498	Bellcore Issue 6	Level I		0.001113	1.00	.0062	0.001113	898810031.27
105A701053	Resistor	R512,R538	Bellcore Issue 6	Level I		0.001113	2.00	.0125	0.002225	898810031.27

