

# ECB-910M Reliability Prediction Report (MTBF)

Report NO : 08E070026

**9-05-2008**

Issue Date

**Wenyuan Yang**

Manager

**Jessica Chou**

Test Engineer

## Reliability Prediction (MTBF)

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I . **Model Name:** ECB-910M

II . **Prediction Date:** Sep. 5<sup>TH</sup>, 2008

III . **Prediction Site:** AAEON Q.E. Dept.

IV . **Predicted by :** Jessica Chou

V . **Equipment:** Relex Ver.7.3 Visual Reliability Software

### VI. Simulation Environment:

- Temperature: 25 degree C
- Standard: Telcordia (Bellcore) Standard

### VII. 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.

### VIII. Prediction Result:

- ECB-910M
  - Failure Rate: 10.393972 ppm
  - MTBF: 96,210 Hours

### AAEON Reliability Prediction Report

**Part Number** 9697910M02-DIP  
**Reference Des**  
**Date** 09. 5, 2008  
**Environment** GF, GU - Ground Fixed, Uncontrolled  
**Temp. (°C)** 25.00



**Description** Top-level assembly  
**File Name** ECB-910M.RPJ  
**Time** 4:09 下午  
**Failure Rate** 10.393972  
**MTBF** 96,210

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
ECB-910M	9697910M02-DIP	Belcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	10.393972	96,210

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**Temp. (°C)** 25.00



**Description** Top-level assembly  
**File Name** ECB-910M.RPJ  
**Time** 4:09 下午  
**Failure Rate** 10.393972  
**MTBF** 96,210

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1750220320	Miscellaneous	BT1	Bellcore Issue 6	Level I		0.900000	1.00	8.6589	0.900000	1111111.11
1601123000	Switching Device	SW1,SW2	Bellcore Issue 6	Level I		0.056897	2.00	1.0948	0.113794	17575605.41
1653003101	Connection	JP7-JP9	Bellcore Issue 6	Level I		0.001707	3.00	.0493	0.005121	585853513.81
1653003201	Connection	JP1-JP4	Bellcore Issue 6	Level I		0.003414	4.00	.1314	0.013655	292926756.90
1653005100	Connection	CN17	Bellcore Issue 6	Level I		0.002845	1.00	.0274	0.002845	351512108.28
1653217202	Connection	CN4	Bellcore Issue 6	Level I		0.019345	1.00	.1861	0.019345	51692957.10
1655112012	Connection	CN24	Bellcore Issue 6	Level I		0.006828	1.00	.0657	0.006828	146463378.45
1655302020	Connection	CN8,CN9	Bellcore Issue 6	Level I		0.001138	2.00	.0219	0.002276	878780270.71
1655305020	Connection	CN1,CN13	Bellcore Issue 6	Level I		0.002845	2.00	.0547	0.005690	351512108.28
1653205203	Connection	CN31-CN33,CN35	Bellcore Issue 6	Level I		0.005690	4.00	.2190	0.022759	175756054.14
1655003010	Connection	CN18,CN19	Bellcore Issue 6	Level I		0.001707	2.00	.0328	0.003414	585853513.81
1653008100	Connection	CN23	Bellcore Issue 6	Level I		0.004552	1.00	.0438	0.004552	219695067.68
1653220208	Connection	CN45	Bellcore Issue 6	Level I		0.022759	1.00	.2190	0.022759	43939013.54
1111610211	Capacitor	C435,C442	Bellcore Issue 6	Level I		0.071121	2.00	1.3685	0.142243	14060484.33
1112633191	Capacitor	C444	Bellcore Issue 6	Level I		0.042673	1.00	.4106	0.042673	23434140.55
1111610194	Capacitor	C12,C17,C22,C230,C232,C30,C34-C54,C58	Bellcore Issue 6	Level I		0.042673	9.00	3.6950	0.384055	23434140.55
1655417020	Connection	CN26	Bellcore Issue 6	Level I		0.011379	1.00	.1095	0.011379	87878027.07
1655310023	Connection	CN11	Bellcore Issue 6	Level I		0.005690	1.00	.0547	0.005690	175756054.14
1652915200	Connection	CN21	Bellcore Issue 6	Level I		0.008535	1.00	.0821	0.008535	117170702.76
1189656190	Capacitor	C315	Bellcore Issue 6	Level I		0.071121	1.00	.6843	0.071121	14060484.33
1653005200	Connection	CN34	Bellcore Issue 6	Level I		0.005690	1.00	.0547	0.005690	175756054.14
1654549502	Connection	CN6	Bellcore Issue 6	Level I		0.027880	1.00	.2682	0.027880	35868582.48
1654218202	Connection	CN39,CN40	Bellcore Issue 6	Level I		0.020483	2.00	.3941	0.040966	48821126.15
1304000061	Semiconductor	U26,U27	Bellcore Issue 6	Level I		0.023881	2.00	.4595	0.047762	41874327.58
1653900036	Connection	CN3	Bellcore Issue 6	Level I		0.001138	1.00	.0109	0.001138	878780270.71
1654260207	Connection	CN37	Bellcore Issue 6	Level I		0.068276	1.00	.6569	0.068276	14646337.85
111961029H	Capacitor	C431,C432,C443,C445,C447,C448-C457,C460	Bellcore Issue 6	Level I		0.071121	8.00	5.4740	0.568970	14060484.33
1652522203	Connection	CN27	Bellcore Issue 6	Level I		0.012517	1.00	.1204	0.012517	79889115.52
175910000B	Miscellaneous	BZ1	Bellcore Issue 6	Level I		0.150000	1.00	1.4431	0.150000	6666666.67
165300420J	Connection	CN2	Bellcore Issue 6	Level I		0.004552	1.00	.0438	0.004552	219695067.68

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**Temp. (°C)** 25.00

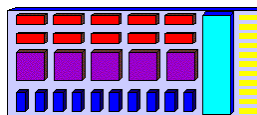


**Description** Top-level assembly  
**File Name** ECB-910M.RPJ  
**Time** 4:09 下午  
**Failure Rate** 10.393972  
**MTBF** 96,210

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1655904030	Connection	CN14	Bellcore Issue 6	Level I		0.002276	1.00	.0219	0.002276	439390135.35
1654907006	Connection	CN41,CN42	Bellcore Issue 6	Level I		0.003983	2.00	.0766	0.007966	251080077.35
175011901H	Miscellaneous	BT1	Bellcore Issue 6	Level I		0.600000	1.00	5.7726	0.600000	1666666.67
1654612307	Connection	CN10	Bellcore Issue 6	Level I		0.006828	1.00	.0657	0.006828	146463378.45
105A700003	Resistor	C247-C249,FB12-FB15,FB17-FB21-,FB24,R114,R118,R132,R154,R207-,R209,R213,R229,R230,R232,R235-,R236,R238	Bellcore Issue 6	Level I		0.002268	26.00	.5673	0.058960	440974090.03
105A700003	Resistor	R239,R240,R242,R243,R289,R382-,R406,R408,R451,R478,R480	Bellcore Issue 6	Level I		0.002268	11.00	.2400	0.024945	440974090.03
105A701003	Resistor	R119,R120,R203,R150,R27,R290	Bellcore Issue 6	Level I		0.002268	6.00	.1309	0.013606	440974090.03
105A701053	Resistor	R107	Bellcore Issue 6	Level I		0.002268	1.00	.0218	0.002268	440974090.03
105A703303	Resistor	R145,R147,R162,R169,R18,R20-R-23,R28,R35	Bellcore Issue 6	Level I		0.002268	12.00	.2618	0.027212	440974090.03
105A703323	Resistor	R415	Bellcore Issue 6	Level I		0.002268	1.00	.0218	0.002268	440974090.03
105A704723	Resistor	R101,R103,R105,R110,R157,R160-,R166,R168,R448,R84,R85,R151,R-502,R503	Bellcore Issue 6	Level I		0.002268	14.00	.3054	0.031748	440974090.03
105A708223	Resistor	R112,R359,R360	Bellcore Issue 6	Level I		0.002268	3.00	.0655	0.006803	440974090.03
105A700133	Resistor	R158,R161,R164,R165,R167,R171-,R204,R227,R231,R234,R237,R241-,R261,R44,R476,R477,R93,R97,R9-8,R317,R506	Bellcore Issue 6	Level I		0.002268	21.00	.4582	0.047622	440974090.03
105A733003	Resistor	R155,R195,R197,R202,R206	Bellcore Issue 6	Level I		0.002268	5.00	.1091	0.011339	440974090.03
105A701033	Resistor	R100,R106,R109,R116,R130,R137-,R185,R186,R24,R25,R30,R31,R34-,R365,R37,R379	Bellcore Issue 6	Level I		0.002268	16.00	.3491	0.036283	440974090.03
105A701033	Resistor	R380,R407,R409,R453-R455,R457-,R462,R464,R465,R55,R63,R64,R7-1,R74,R82,R83,R86-R91,R94-R96	Bellcore Issue 6	Level I		0.002268	26.00	.5673	0.058960	440974090.03
105A715003	Resistor	R138,R139	Bellcore Issue 6	Level I		0.002268	2.00	.0436	0.004535	440974090.03
105A701533	Resistor	R205	Bellcore Issue 6	Level I		0.002268	1.00	.0218	0.002268	440974090.03
105A747003	Resistor	R381,R504,R505	Bellcore Issue 6	Level I		0.002268	3.00	.0655	0.006803	440974090.03
105A500133	Resistor	R212	Bellcore Issue 6	Level I		0.002268	1.00	.0218	0.002268	440974090.03
105A503323	Resistor	R215	Bellcore Issue 6	Level I		0.002268	1.00	.0218	0.002268	440974090.03
105A507503	Resistor	R159,R362-R364	Bellcore Issue 6	Level I		0.002268	4.00	.0873	0.009071	440974090.03

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**Date** 09. 5, 2008  
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**Temp. (°C)** 25.00



**Description** Top-level assembly  
**File Name** ECB-910M.RPJ  
**Time** 4:09 下午  
**Failure Rate** 10.393972  
**MTBF** 96,210

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A511503	Resistor	R201	Bellcore Issue 6	Level I		0.002268	1.00	.0218	0.002268	440974090.03
105A515003	Resistor	R123-R125	Bellcore Issue 6	Level I		0.002268	3.00	.0655	0.006803	440974090.03
105A549963	Resistor	R68-R70,R73,R76,R77,R79,R80	Bellcore Issue 6	Level I		0.002268	8.00	.1745	0.018142	440974090.03
105A556223	Resistor	R492,R493	Bellcore Issue 6	Level I		0.002268	2.00	.0436	0.004535	440974090.03
105A702033	Resistor	R378,R445,R449,R450	Bellcore Issue 6	Level I		0.002268	4.00	.0873	0.009071	440974090.03
105A702233	Resistor	R163,R170,R172,R173,R188,R191-R192	Bellcore Issue 6	Level I		0.002268	7.00	.1527	0.015874	440974090.03
105A703903	Resistor	R10,R11,R121,R122,R4-R9	Bellcore Issue 6	Level I		0.002268	10.00	.2182	0.022677	440974090.03
105A704733	Resistor	R111,R113,R115,R117	Bellcore Issue 6	Level I		0.002268	4.00	.0873	0.009071	440974090.03
105A705123	Resistor	R456	Bellcore Issue 6	Level I		0.002268	1.00	.0218	0.002268	440974090.03
105A705133	Resistor	R104	Bellcore Issue 6	Level I		0.002268	1.00	.0218	0.002268	440974090.03
105A710033	Resistor	R126-R129,R260,R385-R387	Bellcore Issue 6	Level I		0.002268	8.00	.1745	0.018142	440974090.03
1212306030	Inductor	FB1,FB11,FB2,FB3,FB39,FB7-FB9	Bellcore Issue 6	Level I		0.002268	8.00	.1745	0.018142	440974090.03
1212306032	Inductor	FB32-FB35,FB37,FB40,FB41,FB50-FB51,FB54,FB44	Bellcore Issue 6	Level I		0.002268	11.00	.2400	0.024945	440974090.03
1121722650	Capacitor	C364	Bellcore Issue 6	Level I		0.004535	1.00	.0436	0.004535	220487045.01
1122701680	Capacitor	C10,C107,C108,C11,C111-C114,C117-C120,C122-C126,C128,C143,-C144,C148,C149,C15,C151-C155,-C158,C16,C179-C181,C19,C191	Bellcore Issue 6	Level I		0.004535	35.00	1.5272	0.158739	220487045.01
1122701680	Capacitor	C192,C196,C199,C200,C21,C211,-C216,C218,C24,C25,C27,C28,C285-C290,C293,C294,C296-C298,C302-C304,C31,C310,C312,C314	Bellcore Issue 6	Level I		0.004535	30.00	1.3091	0.136062	220487045.01
1122701680	Capacitor	C317,C32,C35,C36,C38,C387,C40-C404-C429,C43,C45	Bellcore Issue 6	Level I		0.004535	34.00	1.4836	0.154204	220487045.01
1122701680	Capacitor	C451,C453,C455,C458,C46-C50,C51,C522-C528,C53,C534,C540,C55-C57,C60,C61,C68,C70,C72-C74,C76,C78-C83	Bellcore Issue 6	Level I		0.004535	36.00	1.5709	0.163275	220487045.01
1122701680	Capacitor	C8,C85,C86,C87,C98	Bellcore Issue 6	Level I		0.004535	5.00	.2182	0.022677	220487045.01
1122747880	Capacitor	C474	Bellcore Issue 6	Level I		0.004535	1.00	.0436	0.004535	220487045.01
1124501780	Capacitor	C214,C220,C529-C533,C535-C538	Bellcore Issue 6	Level I		0.004535	11.00	.4800	0.049890	220487045.01
1124510080	Capacitor	C212,C213,C219	Bellcore Issue 6	Level I		0.004535	3.00	.1309	0.013606	220487045.01
1124510180	Capacitor	C234,C236,C260,C281,C282	Bellcore Issue 6	Level I		0.004535	5.00	.2182	0.022677	220487045.01

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**Environment** GF, GU - Ground Fixed, Uncontrolled  
**Temp. (°C)** 25.00



**Description** Top-level assembly  
**File Name** ECB-910M.RPJ  
**Time** 4:09 下午  
**Failure Rate** 10.393972  
**MTBF** 96,210

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1124522180	Capacitor	C121,C127,C129-C142,C145-C147-C150,C156,C157,C159-C168	Bellcore Issue 6	Level I		0.004535	32.00	1.3963	0.145133	220487045.01
1124547080	Capacitor	C169-C178	Bellcore Issue 6	Level I		0.004535	10.00	.4364	0.045354	220487045.01
1124547180	Capacitor	C187-C190	Bellcore Issue 6	Level I		0.004535	4.00	.1745	0.018142	220487045.01
1124547280	Capacitor	C90-C97	Bellcore Issue 6	Level I		0.004535	8.00	.3491	0.036283	220487045.01
1540710080	Resistor	RP10,RP11,RP4-RP9	Bellcore Issue 6	Level I		0.012492	8.00	.9615	0.099936	80051386.00
1129747650	Capacitor	C318	Bellcore Issue 6	Level I		0.004535	1.00	.0436	0.004535	220487045.01
1540701380	Resistor	RP3	Bellcore Issue 6	Level I		0.012492	1.00	.1202	0.012492	80051386.00
1300414840	Semiconductor	D57	Bellcore Issue 6	Level I		0.023881	1.00	.2298	0.023881	41874327.58
1540715180	Resistor	RP13-RP16	Bellcore Issue 6	Level I		0.012492	4.00	.4807	0.049968	80051386.00
1301005440	Semiconductor	D11,D14,D7-D9	Bellcore Issue 6	Level I		0.023881	5.00	1.1488	0.119405	41874327.58
1301005441	Semiconductor	D56	Bellcore Issue 6	Level I		0.023881	1.00	.2298	0.023881	41874327.58
1540782280	Resistor	RP1,RP2	Bellcore Issue 6	Level I		0.012492	2.00	.2404	0.024984	80051386.00
1124515080	Capacitor	C116,C33,C357,C382,C459,C7	Bellcore Issue 6	Level I		0.004535	6.00	.2618	0.027212	220487045.01
1651203291	Connection	U11	Bellcore Issue 6	Level I		0.018207	1.00	.1752	0.018207	54923766.92
14S4911216	Integrated Circuit	U4	Bellcore Issue 6	Level I		0.039296	1.00	.3781	0.039296	25448028.36
14S6336600	Integrated Circuit	U81	Bellcore Issue 6	Level I		0.040893	1.00	.3934	0.040893	24453781.69
14S4048501	Integrated Circuit	U17,U19	Bellcore Issue 6	Level I		0.059366	2.00	1.1423	0.118732	16844654.92
1301005442	Semiconductor	D12,D13	Bellcore Issue 6	Level I		0.023881	2.00	.4595	0.047762	41874327.58
14S4021310	Integrated Circuit	U13-U15,U23	Bellcore Issue 6	Level I		0.059366	4.00	2.2846	0.237464	16844654.92
1212306035	Inductor	FB58-FB68	Bellcore Issue 6	Level I		0.002268	11.00	.2400	0.024945	440974090.03
14S5A01400	Integrated Circuit	U18	Bellcore Issue 6	Level I		0.037889	1.00	.3645	0.037889	26392869.26
14S5A00700	Integrated Circuit	U54	Bellcore Issue 6	Level I		0.037889	1.00	.3645	0.037889	26392869.26
1124533180	Capacitor	C299	Bellcore Issue 6	Level I		0.004535	1.00	.0436	0.004535	220487045.01
1212306036	Inductor	FB10	Bellcore Issue 6	Level I		0.002268	1.00	.0218	0.002268	440974090.03
1121747780	Capacitor	C467-C473	Bellcore Issue 6	Level I		0.004535	7.00	.3054	0.031748	220487045.01
1059710003	Resistor	R194,R458,R92	Bellcore Issue 6	Level I		0.002268	3.00	.0655	0.006803	440974090.03
1310390411	Semiconductor	Q14,Q6,Q44	Bellcore Issue 6	Level I		0.023881	3.00	.6893	0.071643	41874327.58
1311390610	Semiconductor	Q41	Bellcore Issue 6	Level I		0.023881	1.00	.2298	0.023881	41874327.58
105A502200	Resistor	R200	Bellcore Issue 6	Level I		0.002268	1.00	.0218	0.002268	440974090.03
105A503300	Resistor	R58-R60,R62,R66,R67,R72,R75	Bellcore Issue 6	Level I		0.002268	8.00	.1745	0.018142	440974090.03

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**Environment** GF, GU - Ground Fixed, Uncontrolled  
**Temp. (°C)** 25.00



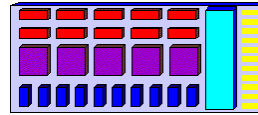
**Description** Top-level assembly  
**File Name** ECB-910M.RPJ  
**Time** 4:09 下午  
**Failure Rate** 10.393972  
**MTBF** 96,210

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1315700212	Semiconductor	Q1,Q13,Q16,Q2,Q3,Q31-Q33,Q4,Q-42,Q43	Bellcore Issue 6	Level I		0.047762	11.00	5.0547	0.525382	20937163.79
105A703033	Resistor	R32,R33	Bellcore Issue 6	Level I		0.002268	2.00	.0436	0.004535	440974090.03
105A702263	Resistor	R210	Bellcore Issue 6	Level I		0.002268	1.00	.0218	0.002268	440974090.03
1315002010	Semiconductor	Q9	Bellcore Issue 6	Level I		0.079603	1.00	.7659	0.079603	12562298.27
105A547503	Resistor	R81	Bellcore Issue 6	Level I		0.002268	1.00	.0218	0.002268	440974090.03
14S5A12503	Integrated Circuit	U56	Bellcore Issue 6	Level I		0.039296	1.00	.3781	0.039296	25448028.36
1214309000	Inductor	CH1,CH2,CH4	Bellcore Issue 6	Level I		0.136062	3.00	3.9272	0.408187	7349568.17
1301002240	Semiconductor	D15,D16	Bellcore Issue 6	Level I		0.023881	2.00	.4595	0.047762	41874327.58
1654262300	Connection	CN38	Bellcore Issue 6	Level I		0.070552	1.00	.6788	0.070552	14173875.33
1304101340	Semiconductor	D17,D18,D55	Bellcore Issue 6	Level I		0.004877	3.00	.1408	0.014630	205063180.81
1305000140	Semiconductor	D31,D32,D35-D38,D40-D44	Bellcore Issue 6	Level I		0.023881	11.00	2.5273	0.262691	41874327.58
121230805L	Inductor	L1,L10,L9	Bellcore Issue 6	Level I		0.002268	3.00	.0655	0.006803	440974090.03
1121701080	Capacitor	C291,C292,C311,C313,C539	Bellcore Issue 6	Level I		0.004535	5.00	.2182	0.022677	220487045.01
105A703003	Resistor	R459,R461,R467,R472,R474,R482	Bellcore Issue 6	Level I		0.002268	6.00	.1309	0.013606	440974090.03
1129610051	Capacitor	C1,C109,C13,C14,C18,C195,C2,C-215,C217,C295,C3,C300,C301,C30-5-C309,C319,C321,C322,C37,C388	Bellcore Issue 6	Level I		0.004535	23.00	1.0036	0.104315	220487045.01
1129610051	Capacitor	C389-C399,C4,C400-C403,C42,C4-39,C452,C454,C456,C5,C69,C71,C-75,C77,C84,C88,C9	Bellcore Issue 6	Level I		0.004535	29.00	1.2654	0.131527	220487045.01
1121722090	Capacitor	C333,C334,C348,C349	Bellcore Issue 6	Level I		0.004535	4.00	.1745	0.018142	220487045.01
1233324052	Miscellaneous	X2	Bellcore Issue 6	Level I		0.360000	1.00	3.4635	0.360000	2777777.78
14S2200900	Integrated Circuit	U20	Bellcore Issue 6	Level I		0.059366	1.00	.5712	0.059366	16844654.92
1315230111	Semiconductor	Q10,Q11	Bellcore Issue 6	Level I		0.079603	2.00	1.5317	0.159207	12562298.27
14S3522800	Integrated Circuit	U64,U65	Bellcore Issue 6	Level I		0.039296	2.00	.7561	0.078592	25448028.36
16540A0000	Capacitor	CN36A,CN36B,CN36C,CN36D	Bellcore Issue 6	Level I		0.004535	4.00	.1745	0.018142	220487045.01
14S4650601	Integrated Circuit	U31	Bellcore Issue 6	Level I		0.059366	1.00	.5712	0.059366	16844654.92
1315442910	Semiconductor	Q20	Bellcore Issue 6	Level I		0.079603	1.00	.7659	0.079603	12562298.27
14S4910400	Integrated Circuit	U10	Bellcore Issue 6	Level I		0.059366	1.00	.5712	0.059366	16844654.92
14S2921400	Integrated Circuit	U29	Bellcore Issue 6	Level I		0.059366	1.00	.5712	0.059366	16844654.92
1653926110	Connection	CN3	Bellcore Issue 6	Level I		0.014793	1.00	.1423	0.014793	67598482.36
1315970211	Integrated Circuit	U5,U6	Bellcore Issue 6	Level I		0.059366	2.00	1.1423	0.118732	16844654.92



### AAEON Reliability Prediction Report

**Part Number** 9697910M02-DIP  
**Reference Des**  
**Date** 09. 5, 2008  
**Environment** GF, GU - Ground Fixed, Uncontrolled  
**Temp. (°C)** 25.00



**Description** Top-level assembly  
**File Name** ECB-910M.RPJ  
**Time** 4:09 下午  
**Failure Rate** 10.393972  
**MTBF** 96,210

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
14S1013200	Integrated Circuit	U16	Bellcore Issue 6	Level I		0.059366	1.00	.5712	0.059366	16844654.92
14S3128421	Integrated Circuit	U22	Bellcore Issue 6	Level I		0.059366	1.00	.5712	0.059366	16844654.92
14S4871204	Integrated Circuit	U12	Bellcore Issue 6	Level I		0.039296	1.00	.3781	0.039296	25448028.36
14S5A12506	Integrated Circuit	U57	Bellcore Issue 6	Level I		0.037813	1.00	.3638	0.037813	26445709.42
121110336L	Inductor	L2	Bellcore Issue 6	Level I		0.086173	1.00	.8291	0.086173	11604581.32
14S8206404	Integrated Circuit	U25	Bellcore Issue 6	Level I		0.039296	1.00	.3781	0.039296	25448028.36
1654226300	Connection	CN47B	Bellcore Issue 6	Level I		0.029586	1.00	.2847	0.029586	33799241.18
1654926900	Connection	CN47A	Bellcore Issue 6	Level I		0.029586	1.00	.2847	0.029586	33799241.18
14S9223100	Integrated Circuit	U9	Bellcore Issue 6	Level I		0.059366	1.00	.5712	0.059366	16844654.92
1315889611	Semiconductor	Q18,Q19,U30,U32	Bellcore Issue 6	Level I		0.079603	4.00	3.0634	0.318413	12562298.27
1752001601	Miscellaneous	FS1,FS2,FS5,FS6	Bellcore Issue 6	Level I		0.030000	4.00	1.1545	0.120000	33333333.33
14S3115001	Integrated Circuit	U28	Bellcore Issue 6	Level I		0.059366	1.00	.5712	0.059366	16844654.92
1654030003	Connection	CN12	Bellcore Issue 6	Level I		0.013655	1.00	.1314	0.013655	73231689.23
1315410510	Semiconductor	U82-U84	Bellcore Issue 6	Level I		0.079603	3.00	2.2976	0.238810	12562298.27
1600001600	Switching Device	SW3	Bellcore Issue 6	Level I		0.142243	1.00	1.3685	0.142243	7030242.17
1315230300	Semiconductor	Q12,Q15,Q5	Bellcore Issue 6	Level I		0.079603	3.00	2.2976	0.238810	12562298.27
14S4045800	Integrated Circuit	U80	Bellcore Issue 6	Level I		0.039296	1.00	.3781	0.039296	25448028.36