

ECB-930G

Reliability Prediction Report (MTBF)

Summary	Failure Rate: 10.382128 ppm MTBF: 96,319 Hours
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Issue date	Approval	Test Engineer
2011/04/25	Jansin Lee	Jessica Chou

Reliability Prediction (MTBF)

I . **Model Name:** ECB-930G(9697930G04-D)

II . **Prediction Date:** Apr. 25, 2011

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: 22.5 degrees 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-930G(9697930G04-D):

- Failure Rate: 10.382128 ppm

- MTBF: 96,319 Hours

AAEON Reliability Prediction Report

Part Number 9697930G04-D
Reference Des
Date 04. 25, 2011
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 22.50



Description Top-level assembly
File Name ECB-930G.RPJ
Time 11:52
Failure Rate 10.382128
MTBF 96,319

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
ECB-930G	9697930G04-D	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled	100.00	1.00	10.38	96319.36

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File Name ECB-930G.RPJ
Time 11:52
Failure Rate 10.382128
MTBF 96,319

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1214309006	Inductor	CH1,CH2,CH3,CH4, CH5,CH6	Telcordia Issue 1	Level I		6.00	0.002158	.1247	463306476.67
16549B5302	Connection	CN1	Telcordia Issue 1	Level I		1.00	0.000997	.0096	1002523191.08
1654926900	Connection	CN2A	Telcordia Issue 1	Level I		1.00	0.025935	.2498	38558584.27
1654226300	Connection	CN2B	Telcordia Issue 1	Level I		1.00	0.025935	.2498	38558584.27
1654903900	Connection	CN3	Telcordia Issue 1	Level I		1.00	0.019950	.1922	50126159.55
1653212100	Connection	CN4	Telcordia Issue 1	Level I		1.00	0.005985	.0576	167087198.51
1654030003	Connection	CN5	Telcordia Issue 1	Level I		1.00	0.014962	.1441	66834879.41
1655901000	Connection	CN7	Telcordia Issue 1	Level I		1.00	0.004987	.0480	200504638.22
1655909032	Connection	CN20	Telcordia Issue 1	Level I		1.00	0.004489	.0432	222782931.35
1654930305	Connection	CN34	Telcordia Issue 1	Level I		1.00	0.000997	.0096	1002523191.08
1174522180	Capacitor	CP1,CP2,CP3,CP4	Telcordia Issue 1	Level I		4.00	0.005376	.2071	185999577.75
1129610080	Capacitor	C1,C114,C134,C146, C155,C158,C18,C19, C208,C21,C211,C213, C214,C216,C227,C23, C242,C266,C28,C29, C31,C339,C341,C343, C345,C347,C355, C358,C527,C8,C88, C96	Telcordia Issue 1	Level I		32.00	0.004317	1.3305	231653238.34
1121501691	Capacitor	C100,C102,C103, C104,C105,C106, C107,C108,C109, C110,C111,C112, C113,C115,C116, C118,C122,C133, C135,C136,C140, C141,C142,C143, C144,C145,C147, C148,C15,C150,C156, C157,C159,C16,C160, C161,C162,C163, C164,C165,C166, C17,C522	Telcordia Issue 1	Level I		133.00	0.004317	5.5300	231653238.34
1121533480	Capacitor	C17,C522	Telcordia Issue 1	Level I		2.00	0.004317	.0832	231653238.34
11E1510050	Capacitor	C25	Telcordia Issue 1	Level I		1.00	0.004317	.0416	231653238.34
11E9722090	Capacitor	C137,C138,C228,C55, C56,C57	Telcordia Issue 1	Level I		6.00	0.004317	.2495	231653238.34
1129710090	Capacitor	C243,C310,C311,C58, C59,C60	Telcordia Issue 1	Level I		6.00	0.004317	.2495	231653238.34
1124427091	Capacitor	C62,C63,C82,C83, C86,C87	Telcordia Issue 1	Level I		6.00	0.004317	.2495	231653238.34
1129522790	Capacitor	C64,C67,C68	Telcordia Issue 1	Level I		3.00	0.004317	.1247	231653238.34
1124547190	Capacitor	C120,C121,C123, C124,C494,C77,C78, C79,C80	Telcordia Issue 1	Level I		9.00	0.004317	.3742	231653238.34

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Description Top-level assembly
File Name ECB-930G.RPJ
Time 11:52
Failure Rate 10.382128
MTBF 96,319

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1129701791	Capacitor	C117,C127,C128, C244,C250,C263, C265,C81,C92	Telcordia Issue 1	Level I		9.00	0.004317	.3742	231653238.34
11E9622050	Capacitor	C101,C119,C229, C230	Telcordia Issue 1	Level I		4.00	0.004317	.1663	231653238.34
11E9501091	Capacitor	C139,C149,C207, C209,C217,C218, C488,C493,C506, C507,C524,C531, C533,C538,C539	Telcordia Issue 1	Level I		15.00	0.004317	.6237	231653238.34
11C1547890	Capacitor	C151,C154	Telcordia Issue 1	Level I		2.00	0.004317	.0832	231653238.34
1129710391	Capacitor	C152,C153,C262, C264,C306,C495	Telcordia Issue 1	Level I		6.00	0.004317	.2495	231653238.34
1124522190	Capacitor	C203,C204,C205, C206	Telcordia Issue 1	Level I		4.00	0.004317	.1663	231653238.34
1124410191	Capacitor	C220,C221,C225, C231,C232,C235, C236,C239,C240, C349	Telcordia Issue 1	Level I		10.00	0.004317	.4158	231653238.34
11C9512780	Capacitor	C246	Telcordia Issue 1	Level I		1.00	0.004317	.0416	231653238.34
11C2510480	Capacitor	C249,C252,C257, C485,C490	Telcordia Issue 1	Level I		5.00	0.004317	.2079	231653238.34
11C2568880	Capacitor	C251	Telcordia Issue 1	Level I		1.00	0.004317	.0416	231653238.34
11E2510060	Capacitor	C253,C255,C256, C258,C259	Telcordia Issue 1	Level I		5.00	0.004317	.2079	231653238.34
11C2501050	Capacitor	C260	Telcordia Issue 1	Level I		1.00	0.004317	.0416	231653238.34
1189633193	Capacitor	C484,C535	Telcordia Issue 1	Level I		2.00	0.004317	.0832	231653238.34
1189633193	Capacitor	C492	Telcordia Issue 1	Level I	14.30	1.00	0.005665	.0546	176517810.01
11E2522090	Capacitor	C486	Telcordia Issue 1	Level I		1.00	0.004317	.0416	231653238.34
1129622690	Capacitor	C487	Telcordia Issue 1	Level I		1.00	0.004317	.0416	231653238.34
1189615150	Capacitor	C516,C517,C530, C536,C540,TC1,TC2, TC3	Telcordia Issue 1	Level I		8.00	0.004317	.3326	231653238.34
1181610180	Capacitor	C519	Telcordia Issue 1	Level I		1.00	0.004317	.0416	231653238.34
11C4515290	Other	C245,C525	Telcordia Issue 1			2.00	0.000000	.0000	.00
11C4568190	Other	C529	Telcordia Issue 1			1.00	0.000000	.0000	.00
1301053040	Semiconductor	D1,D40,D41	Telcordia Issue 1	Level I		3.00	0.022212	.6418	45021049.78
1305080040	Semiconductor	D10,D11,D12,D13, D14,D15,D19,D20, D21,D22,D23,D4,D5, D6,D7,D8,D9	Telcordia Issue 1	Level I		17.00	0.022212	3.6370	45021049.78
1301005440	Semiconductor	D16,D26,D27,D32	Telcordia Issue 1	Level I		4.00	0.022212	.8558	45021049.78
1301005442	Semiconductor	D17	Telcordia Issue 1	Level I		1.00	0.022212	.2139	45021049.78
1304101340	Semiconductor	D18	Telcordia Issue 1	Level I		1.00	0.003872	.0373	258233401.91
1301005441	Semiconductor	D28,D29	Telcordia Issue 1	Level I		2.00	0.025901	.4989	38608873.06
1305002041	Semiconductor	D43	Telcordia Issue 1	Level I		1.00	0.148079	1.4263	6753157.47
1301002240	Semiconductor	D45	Telcordia Issue 1	Level I		1.00	0.022212	.2139	45021049.78

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Description Top-level assembly
File Name ECB-930G.RPJ
Time 11:52
Failure Rate 10.382128
MTBF 96,319

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1300414840	Semiconductor	D46,D47,D48	Telcordia Issue 1	Level I		3.00	0.022212	.6418	45021049.78
1212306030	Inductor	FB1,FB11,FB18,FB19,FB2,FB21,FB22,FB23,FB26,FB3,FB34,FB47,FB50,FB53,FB54,FB55,FB56	Telcordia Issue 1	Level I		17.00	0.002158	.3534	463306476.67
1212306032	Inductor	FB12,FB13,FB14,FB29,FB30,FB31,FB33	Telcordia Issue 1	Level I		7.00	0.002158	.1455	463306476.67
121230603S	Inductor	FB16,FB17,FB20	Telcordia Issue 1	Level I		3.00	0.002158	.0624	463306476.67
1212306035	Inductor	FB24,FB25,FB35,FB36,FB37,FB40,FB41,FB42,FB43,FB44,FB45,FB46	Telcordia Issue 1	Level I		12.00	0.002158	.2495	463306476.67
1212306036	Inductor	FB27	Telcordia Issue 1	Level I		1.00	0.002158	.0208	463306476.67
105A700009	Resistor	FB38,FB39,R117,R123,R165,R166,R181,R182,R190,R2,R227,R230,R27,R30,R314,R315,R316,R318,R32,R330,R349,R350,R354,R402,R414,R415,R416,R417,R418,R420,R424,R425,R426,R427,R428,R432,R437,R447,R459,R461,R463,R465,	Telcordia Issue 1	Level I		49.00	0.002158	1.0187	463306476.67
1752015000	Miscellaneous	FS1	Telcordia Issue 1	Level I		1.00	0.003000	.0289	333333333.33
1752316000	Other	FS2,FS5	Telcordia Issue 1			2.00	0.000000	.0000	.00
1752001601	Miscellaneous	FS3,FS4,FS6	Telcordia Issue 1	Level I		3.00	0.003000	.0867	333333333.33
1304300140	Semiconductor	LED1,LED2	Telcordia Issue 1	Level I		2.00	0.003872	.0746	258233401.91
1304400140	Other	LED3	Telcordia Issue 1			1.00	0.000000	.0000	.00
121110100R	Inductor	L1	Telcordia Issue 1	Level I		1.00	0.082019	.7900	12192275.70
1211000180	Inductor	L2	Telcordia Issue 1	Level I		1.00	0.002158	.0208	463306476.67
121110336H	Inductor	L3	Telcordia Issue 1	Level I	18.60	1.00	0.116241	1.1196	8602793.08
121110476G	Inductor	L4	Telcordia Issue 1	Level I		1.00	0.082019	.7900	12192275.70
1211101062	Inductor	L5	Telcordia Issue 1	Level I		1.00	0.082019	.7900	12192275.70
121110100Q	Inductor	L6	Telcordia Issue 1	Level I		1.00	0.082019	.7900	12192275.70

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MTBF 96,319

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate,%	MTBF, Unit
1315700212	Semiconductor	Q10,Q15,Q17,Q18, Q19,Q2,Q23,Q32,Q44, Q45,Q5,Q51,Q52,Q53, Q56,Q57,Q6,Q62,Q63, Q7	Telcordia Issue 1	Level I		20.00	0.074039	14.2629	13506314.93
1311138610	Semiconductor	Q11,Q12	Telcordia Issue 1	Level I		2.00	0.022212	.4279	45021049.78
1311390610	Semiconductor	Q14	Telcordia Issue 1	Level I		1.00	0.022212	.2139	45021049.78
1315066810	Semiconductor	Q24,Q25	Telcordia Issue 1	Level I		2.00	0.074039	1.4263	13506314.93
1315668510	Semiconductor	Q26	Telcordia Issue 1	Level I		1.00	0.074039	.7131	13506314.93
1315481011	Semiconductor	Q27	Telcordia Issue 1	Level I		1.00	0.074039	.7131	13506314.93
1315441012	Semiconductor	Q55	Telcordia Issue 1	Level I		1.00	0.074039	.7131	13506314.93
1315441012	Semiconductor	Q54	Telcordia Issue 1	Level I	21.10	1.00	0.131658	1.2681	7595423.32
1315667910	Semiconductor	Q58,Q61	Telcordia Issue 1	Level I		2.00	0.148079	2.8526	6753157.47
1315889611	Semiconductor	Q59	Telcordia Issue 1	Level I	16.60	1.00	0.117211	1.1290	8531602.53
1315992601	Semiconductor	Q60	Telcordia Issue 1	Level I	16.90	1.00	0.236271	2.2757	4232433.07
1540747285	Resistor	RP2,RP3	Telcordia Issue 1	Level I		2.00	0.005566	.1072	179664062.18
1540733085	Resistor	RP4,RP5	Telcordia Issue 1	Level I		2.00	0.005566	.1072	179664062.18
1540782282	Resistor	RP6	Telcordia Issue 1	Level I		1.00	0.011132	.1072	89832031.09
1540715181	Resistor	RP10,RP7,RP8,RP9	Telcordia Issue 1	Level I		4.00	0.005566	.2144	179664062.18
105A710039	Resistor	R1,R152,R19,R20, R319,R343,R401, R496,R502,R510, R515,R530	Telcordia Issue 1	Level I		12.00	0.002158	.2495	463306476.67
105A549969	Resistor	R4,R5,R6,R7	Telcordia Issue 1	Level I		4.00	0.002158	.0832	463306476.67
105A701039	Resistor	R102,R11,R127,R128, R14,R16,R17,R170, R171,R175,R176, R177,R178,R179, R185,R186,R194, R195,R196,R197, R198,R200,R201, R202,R203,R204, R205,R21,R212,R216, R217,R218,R219,R22, R220,R221,R222, R223,R224,R225, R226,R228,R23,R	Telcordia Issue 1	Level I		67.00	0.002158	1.3929	463306476.67
105A503309	Resistor	R10,R12,R13,R15	Telcordia Issue 1	Level I		4.00	0.002158	.0832	463306476.67
105A547509	Resistor	R18	Telcordia Issue 1	Level I		1.00	0.002158	.0208	463306476.67
1050520004	Resistor	R25	Telcordia Issue 1	Level I		1.00	0.002158	.0208	463306476.67
105A540269	Resistor	R26	Telcordia Issue 1	Level I		1.00	0.002158	.0208	463306476.67

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File Name ECB-930G.RPJ
Time 11:52
Failure Rate 10.382128
MTBF 96,319

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A507509	Resistor	R43,R44,R45	Telcordia Issue 1	Level I		3.00	0.002158	.0624	463306476.67
105A515009	Resistor	R47,R48,R49	Telcordia Issue 1	Level I		3.00	0.002158	.0624	463306476.67
105A700239	Resistor	R50,R51	Telcordia Issue 1	Level I		2.00	0.002158	.0416	463306476.67
1050524904	Resistor	R52,R53	Telcordia Issue 1	Level I		2.00	0.002158	.0416	463306476.67
1050701504	Resistor	R55,R56	Telcordia Issue 1	Level I		2.00	0.002158	.0416	463306476.67
105A703309	Resistor	R103,R119,R162, R327	Telcordia Issue 1	Level I		4.00	0.002158	.0832	463306476.67
105A715009	Resistor	R105,R114,R132, R135,R136,R487	Telcordia Issue 1	Level I		6.00	0.002158	.1247	463306476.67
1050700002	Resistor	R109,R110,R111	Telcordia Issue 1	Level I		3.00	0.002158	.0624	463306476.67
105A700139	Resistor	R115,R125,R129, R130,R131,R133, R180,R184,R188, R192,R199,R208, R209,R210,R211, R213,R279,R282, R287,R288,R294, R297,R301,R317, R325,R329,R522	Telcordia Issue 1	Level I		27.00	0.002158	.5613	463306476.67
105A549919	Resistor	R116,R118,R122	Telcordia Issue 1	Level I		3.00	0.002158	.0624	463306476.67
1050702704	Resistor	R137,R140,R141, R142	Telcordia Issue 1	Level I		4.00	0.002158	.0832	463306476.67
105A733009	Resistor	R153,R155,R156, R174	Telcordia Issue 1	Level I		4.00	0.002158	.0832	463306476.67
105A575009	Resistor	R157	Telcordia Issue 1	Level I		1.00	0.002158	.0208	463306476.67
105A704729	Resistor	R158,R163,R172, R173,R274,R277, R278,R293,R324, R326,R433,R434	Telcordia Issue 1	Level I		12.00	0.002158	.2495	463306476.67
105A705139	Resistor	R159,R160,R283, R284	Telcordia Issue 1	Level I		4.00	0.002158	.0832	463306476.67
1050501234	Resistor	R161	Telcordia Issue 1	Level I		1.00	0.002158	.0208	463306476.67
105A701059	Resistor	R167	Telcordia Issue 1	Level I		1.00	0.002158	.0208	463306476.67
105A704739	Resistor	R168,R291,R486	Telcordia Issue 1	Level I		3.00	0.002158	.0624	463306476.67
105A705629	Resistor	R169	Telcordia Issue 1	Level I		1.00	0.002158	.0208	463306476.67
105A710009	Resistor	R193,R344	Telcordia Issue 1	Level I		2.00	0.002158	.0416	463306476.67
105A702053	Resistor	R215	Telcordia Issue 1	Level I		1.00	0.012950	.1247	77217746.11
1050547004	Resistor	R280,R281	Telcordia Issue 1	Level I		2.00	0.002158	.0416	463306476.67
105A705129	Resistor	R289,R300,R345	Telcordia Issue 1	Level I		3.00	0.002158	.0624	463306476.67
105A702039	Resistor	R295,R303	Telcordia Issue 1	Level I		2.00	0.002158	.0416	463306476.67
105A702229	Resistor	R299,R453	Telcordia Issue 1	Level I		2.00	0.002158	.0416	463306476.67
1050539224	Resistor	R304	Telcordia Issue 1	Level I		1.00	0.002158	.0208	463306476.67

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Temp. (°C) 22.50



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File Name ECB-930G.RPJ
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Failure Rate 10.382128
MTBF 96,319

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A702209	Resistor	R306,R307	Telcordia Issue 1	Level I		2.00	0.002158	.0416	463306476.67
105A707509	Resistor	R308,R311	Telcordia Issue 1	Level I		2.00	0.002158	.0416	463306476.67
105A702239	Resistor	R309,R310,R328	Telcordia Issue 1	Level I		3.00	0.002158	.0624	463306476.67
105A503333	Resistor	R331,R332	Telcordia Issue 1	Level I		2.00	0.002158	.0416	463306476.67
1050502224	Resistor	R333	Telcordia Issue 1	Level I		1.00	0.002158	.0208	463306476.67
105A560413	Resistor	R334	Telcordia Issue 1	Level I		1.00	0.002158	.0208	463306476.67
105A512723	Resistor	R337	Telcordia Issue 1	Level I		1.00	0.002158	.0208	463306476.67
105A554923	Resistor	R338	Telcordia Issue 1	Level I		1.00	0.002158	.0208	463306476.67
105A501039	Resistor	R340,R346,R381, R505	Telcordia Issue 1	Level I		4.00	0.002158	.0832	463306476.67
105A511313	Resistor	R341	Telcordia Issue 1	Level I		1.00	0.002158	.0208	463306476.67
1050540224	Resistor	R382	Telcordia Issue 1	Level I		1.00	0.002158	.0208	463306476.67
1050733012	Other	R438	Telcordia Issue 1			1.00	0.000000	.0000	.00
105A733003	Resistor	R439	Telcordia Issue 1	Level I		1.00	0.002158	.0208	463306476.67
1050515834	Other	R497	Telcordia Issue 1			1.00	0.000000	.0000	.00
1050502234	Resistor	R498	Telcordia Issue 1	Level I		1.00	0.002158	.0208	463306476.67
105A702263	Resistor	R499,R519	Telcordia Issue 1	Level I		2.00	0.002158	.0416	463306476.67
105A700003	Resistor	FB15,R501	Telcordia Issue 1	Level I		2.00	0.002158	.0416	463306476.67
105A556229	Resistor	R504	Telcordia Issue 1	Level I		1.00	0.002158	.0208	463306476.67
105A701529	Resistor	R516,R531	Telcordia Issue 1	Level I		2.00	0.002158	.0416	463306476.67
1050512734	Other	R520	Telcordia Issue 1			1.00	0.000000	.0000	.00
105A514723	Resistor	R521	Telcordia Issue 1	Level I		1.00	0.002158	.0208	463306476.67
1050703924	Resistor	R523	Telcordia Issue 1	Level I		1.00	0.002158	.0208	463306476.67
1051500172	Other	R524	Telcordia Issue 1			1.00	0.000000	.0000	.00
1050510534	Resistor	R526	Telcordia Issue 1	Level I		1.00	0.002158	.0208	463306476.67
105A701009	Resistor	R527	Telcordia Issue 1	Level I		1.00	0.002158	.0208	463306476.67
105A516519	Resistor	R528	Telcordia Issue 1	Level I		1.00	0.002158	.0208	463306476.67
105A500139	Resistor	R509,R529	Telcordia Issue 1	Level I		2.00	0.002158	.0416	463306476.67
1053500279	Resistor	SR1	Telcordia Issue 1	Level I		1.00	0.002158	.0208	463306476.67
1053502579	Resistor	SR2	Telcordia Issue 1	Level I		1.00	0.002158	.0208	463306476.67
1601TS0500	Other	SW1,SW2	Telcordia Issue 1			2.00	0.000000	.0000	.00
14S4910400	Integrated Circuit	U1	Telcordia Issue 1	Level I		1.00	0.022576	.2175	44294898.87
1314515111	Integrated Circuit	U3	Telcordia Issue 1	Level I		1.00	0.049367	.4755	20256383.00
14S3524701	Integrated Circuit	U4	Telcordia Issue 1	Level I		1.00	0.049367	.4755	20256383.00
131411171C	Integrated Circuit	U5	Telcordia Issue 1	Level I		1.00	0.049367	.4755	20256383.00
14S2200900	Integrated Circuit	U8	Telcordia Issue 1	Level I		1.00	0.049367	.4755	20256383.00
1315970211	Semiconductor	U10,U11,U9	Telcordia Issue 1	Level I		3.00	0.148079	4.2789	6753157.47

AAEON Reliability Prediction Report

Part Number 9697930G04-D
Reference Des
Date 04. 25, 2011
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 22.50

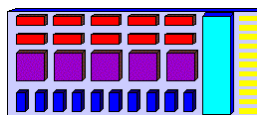


Description Top-level assembly
File Name ECB-930G.RPJ
Time 11:52
Failure Rate 10.382128
MTBF 96,319

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
14S4825740	Integrated Circuit	U12	Telcordia Issue 1	Level I		1.00	0.022576	.2175	44294898.87
14S6308002	Integrated Circuit	U13	Telcordia Issue 1	Level I		1.00	0.029839	.2874	33513395.82
14S4911216	Integrated Circuit	U14	Telcordia Issue 1	Level I		1.00	0.049367	.4755	20256383.00
14S4033002	Other	U16	Telcordia Issue 1			1.00	0.000000	.0000	.00
1315155510	Semiconductor	U17,U18,U20	Telcordia Issue 1	Level I		3.00	0.148079	4.2789	6753157.47
14S4600004	Other	U19	Telcordia Issue 1			1.00	0.000000	.0000	.00
14S4362707	Other	U21	Telcordia Issue 1			1.00	0.000000	.0000	.00
14S5A12506	Integrated Circuit	U24	Telcordia Issue 1	Level I		1.00	0.022576	.2175	44294898.87
14S4021301	Integrated Circuit	U25,U29	Telcordia Issue 1	Level I		2.00	0.049367	.9510	20256383.00
14S5A12503	Integrated Circuit	U26	Telcordia Issue 1	Level I		1.00	0.049367	.4755	20256383.00
14S4048502	Integrated Circuit	U28,U30	Telcordia Issue 1	Level I		2.00	0.049367	.9510	20256383.00
14S3088800	Integrated Circuit	U33	Telcordia Issue 1	Level I		1.00	0.022576	.2175	44294898.87
14S1230400	Integrated Circuit	U34	Telcordia Issue 1	Level I		1.00	0.049367	.4755	20256383.00
14S2410000	Integrated Circuit	U35	Telcordia Issue 1	Level I	15.30	1.00	0.145700	1.4034	6863412.72
14S3621601	Integrated Circuit	U36	Telcordia Issue 1	Level I		1.00	0.049367	.4755	20256383.00
14S3172800	Integrated Circuit	U42	Telcordia Issue 1	Level I		1.00	0.049367	.4755	20256383.00
14S4851300	Integrated Circuit	U45	Telcordia Issue 1	Level I		1.00	0.022576	.2175	44294898.87
14S8253609	Other	U47	Telcordia Issue 1			1.00	0.000000	.0000	.00
14S5924502	Other	U50	Telcordia Issue 1			1.00	0.000000	.0000	.00
14S5A00820	Integrated Circuit	U51	Telcordia Issue 1	Level I		1.00	0.021724	.2092	46031464.90
14S5A00401	Integrated Circuit	U54	Telcordia Issue 1	Level I		1.00	0.022576	.2175	44294898.87
1314880511	Integrated Circuit	U55	Telcordia Issue 1	Level I		1.00	0.049367	.4755	20256383.00
14S2260300	Other	U60	Telcordia Issue 1			1.00	0.000000	.0000	.00
14S2303700	Integrated Circuit	U61	Telcordia Issue 1	Level I		1.00	0.049367	.4755	20256383.00
1233348051	Miscellaneous	X2	Telcordia Issue 1	Level I		1.00	0.360000	3.4675	2777777.78
123132505C	Miscellaneous	X4,X5	Telcordia Issue 1	Level I		2.00	0.150000	2.8896	6666666.67
1231332721	Miscellaneous	X6	Telcordia Issue 1	Level I		1.00	0.150000	1.4448	6666666.67
1050520034	Resistor	R503	Telcordia Issue 1	Level I		1.00	0.002158	.0208	463306476.67
1315230511	Semiconductor	Q1,Q22	Telcordia Issue 1	Level I		2.00	0.074039	1.4263	13506314.93
165392521J	Connection	CFD1A	Telcordia Issue 1	Level I		1.00	0.000997	.0096	1002523191.08
1301005444	Semiconductor	D24,D25	Telcordia Issue 1	Level I		2.00	0.022212	.4279	45021049.78
105A509123	Resistor	R508	Telcordia Issue 1	Level I		1.00	0.002158	.0208	463306476.67
175910000B	Miscellaneous	BUZZ1	Telcordia Issue 1	Level I		1.00	0.150000	1.4448	6666666.67
1655305020	Connection	CN6	Telcordia Issue 1	Level I		1.00	0.002494	.0240	401009276.43
1654415308	Connection	CN8	Telcordia Issue 1	Level I		1.00	0.007481	.0721	133669758.81
1654808309	Connection	CN10	Telcordia Issue 1	Level I		1.00	0.000997	.0096	1002523191.08

AAEON Reliability Prediction Report

Part Number 9697930G04-D
Reference Des
Date 04. 25, 2011
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 22.50



Description Top-level assembly
File Name ECB-930G.RPJ
Time 11:52
Failure Rate 10.382128
MTBF 96,319

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1655905032	Connection	CN11,CN12,CN13, CN14	Telcordia Issue 1	Level I		4.00	0.019950	.7686	50126159.55
165251420B	Connection	CN16,CN17	Telcordia Issue 1	Level I		2.00	0.000997	.0192	1002523191.08
1654907004	Connection	CN18	Telcordia Issue 1	Level I		1.00	0.003491	.0336	286435197.45
1653006201	Connection	CN19	Telcordia Issue 1	Level I		1.00	0.005985	.0576	167087198.51
165320520L	Connection	CN21	Telcordia Issue 1	Level I		1.00	0.004987	.0480	200504638.22
1654409103	Connection	CN22	Telcordia Issue 1	Level I		1.00	0.112217	1.0809	8911317.25
1655909031	Connection	CN23	Telcordia Issue 1	Level I		1.00	0.004489	.0432	222782931.35
1655306023	Connection	CN26	Telcordia Issue 1	Level I		1.00	0.002992	.0288	334174397.03
1655902030	Connection	CN27A	Telcordia Issue 1	Level I		1.00	0.000997	.0096	1002523191.08
175011901C	Miscellaneous	CN27B	Telcordia Issue 1	Level I		1.00	0.900000	8.6687	1111111.11
1655302020	Connection	CN28,CN30	Telcordia Issue 1	Level I		2.00	0.000997	.0192	1002523191.08
1655003010	Connection	CN31	Telcordia Issue 1	Level I		1.00	0.001496	.0144	668348794.05
1655307022	Connection	CN32	Telcordia Issue 1	Level I		1.00	0.003491	.0336	286435197.45
1652903100	Connection	CN33	Telcordia Issue 1	Level I		1.00	0.001496	.0144	668348794.05
1653006100	Connection	CN35,CN36	Telcordia Issue 1	Level I		2.00	0.002992	.0576	334174397.03
1653008201	Connection	CN37	Telcordia Issue 1	Level I		1.00	0.007980	.0769	125315398.88
1653300108	Connection	CN37(15-16), JP2(2-4),JP5(1-2)	Telcordia Issue 1	Level I		3.00	0.000997	.0288	1002523191.08
1653003101	Connection	JP1,JP5,JP6,JP7	Telcordia Issue 1	Level I		4.00	0.001496	.0576	668348794.05
1653003201	Connection	JP2,JP3	Telcordia Issue 1	Level I		2.00	0.000997	.0192	1002523191.08
1653300107	Connection	JP1(2-3),JP2(1-3), JP3(5-6),JP6(2-3), JP7(1-2)	Telcordia Issue 1	Level I		5.00	0.000997	.0480	1002523191.08
14SE2U1500	Other	CN39	Telcordia Issue 1			1.00	0.000000	.0000	.00
14S6201602	Other		Telcordia Issue 1			1.00	0.000000	.0000	.00
1304000061	Semiconductor	U48,U49	Telcordia Issue 1	Level I		2.00	0.003872	.0746	258233401.91
1655910131	Connection	CN29	Telcordia Issue 1	Level I		1.00	0.000997	.0096	1002523191.08
1653900039	Connection	CFD1B	Telcordia Issue 1	Level I		1.00	0.000997	.0096	1002523191.08