

AEC-6940

Reliability Prediction Report

(MTBF)

Report NO : 10P070005

03-03-2010

Issue Date

Jansin Lee

Sr. Manager

Jessica Chou

Test Engineer

Reliability Prediction (MTBF)

I . **Model Name:** TF-AEC-6940-A2-1010

II . **Prediction Date:** Mar. 3rd, 2010

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: 24.8 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:

- TF-AEC-6940-A2-1010
Failure Rate: 26.635773 ppm
MTBF: 37,543 Hours

AAEON Reliability Prediction Report

Part Number System
Reference Des
Date 03. 3, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.80



Description Top-level assembly
File Name AEC-6940.RPJ
Time 4:56 下午
Failure Rate 26.635773
MTBF 37,543

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
TF-AEC-6940-A2-1010	System	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled	100.00	1.00	26.64	37543.50
ASS'Y PER-R12X	9697R12X00-D	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled		1.00	.52	1913057.01
ASS'Y COM-45SP-A10	969745SP04-S	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled		1.00	11.20	89268.98
ASS'Y I/O Board	DTXP694002-D	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled		1.00	14.91	67064.81

AAEON Reliability Prediction Report

Part Number 9697R12X00-D
Reference Des
Date 03. 3, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.80



Description
File Name AEC-6940.RPJ
Time 4:56 下午
Failure Rate 0.522724
MTBF 1,913,057

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
11E1510050	Capacitor	C1,C16,C5,C9	Telcordia Issue 1	Level I		4.00	0.004518	3.4570	221353427.43
1129701690	Capacitor	C10,C13,C14,C15,C2, C3,C4,C6,C7,C8	Telcordia Issue 1	Level I		10.00	0.004518	8.6425	221353427.43
1124701680	Capacitor	C11,C12	Telcordia Issue 1	Level I		2.00	0.004518	1.7285	221353427.43
1654282201	Connection	PCIE1	Telcordia Issue 1	Level I		1.00	0.092340	17.6652	10829495.94
1654218202	Connection	PCIE2	Telcordia Issue 1	Level I		1.00	0.020270	3.8777	49334370.40
1112610190	Capacitor	EC3,EC4,EC5,EC6	Telcordia Issue 1	Level I		4.00	0.042229	32.3145	23680497.79
1111610194	Capacitor	EC1,EC2,EC7,EC8	Telcordia Issue 1	Level I		4.00	0.042229	32.3145	23680497.79

AAEON Reliability Prediction Report

Part Number 969745SP04-S
Reference Des
Date 03. 3, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.80



Description
File Name AEC-6940.RPJ
Time 4:56 下午
Failure Rate 11.202099
MTBF 89,269

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
16540M0001	Connection	CN1,CN2	Telcordia Issue 1	Level I		2.00	0.123871	2.2116	8072896.97
165300420L	Connection	CN3	Telcordia Issue 1	Level I		1.00	0.004504	.0402	222004666.80
1129701690	Capacitor	C1,C103,C106,C113, C114,C116,C118, C122,C123,C124, C125,C13,C141,C158, C167,C186,C196, C198,C20,C209,C210, C217,C22,C23,C232, C237,C24,C25,C250, C251,C252,C253,C26, C263,C264,C268, C269,C27,C273,C274, C276,C277,C279, C280,C287,C289,	Telcordia Issue 1	Level I		159.00	0.004518	6.4123	221353427.43
1050597623	Resistor	R139	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
1124447180	Capacitor	C134,C464	Telcordia Issue 1	Level I		2.00	0.004518	.0807	221353427.43
1124547190	Capacitor	C162,C21,C375,C376, C393	Telcordia Issue 1	Level I		5.00	0.004518	.2016	221353427.43
11E9501091	Capacitor	C10,C12,C120,C121, C137,C14,C15,C178, C182,C19,C216,C235, C236,C247,C248, C256,C259,C286, C305,C311,C315, C322,C333,C344, C461,C462,C463, C472,C473,C474, C475,C476,C477, C478,C479,C482,C59, C7,C80	Telcordia Issue 1	Level I		39.00	0.004518	1.5728	221353427.43
1122601680	Capacitor	C100,C195,C218, C386,C387,C414,C8, C81,C82	Telcordia Issue 1	Level I		9.00	0.004518	.3630	221353427.43
1129710390	Capacitor	C11,C119,C460,C5, C87,C88	Telcordia Issue 1	Level I		6.00	0.004518	.2420	221353427.43
1129710090	Capacitor	C480,C481	Telcordia Issue 1	Level I		2.00	0.004518	.0807	221353427.43
1129701790	Capacitor	C132,C138,C139, C143,C150,C159,C18, C181,C212,C341,C39, C40,C416,C457,C484, C485,C486,C487, C488,C489,C490, C491,C492,C493, C494,C495,C496, C497,C498,C499,C56, C90,C91	Telcordia Issue 1	Level I		33.00	0.004518	1.3308	221353427.43

AAEON Reliability Prediction Report

Part Number 969745SP04-S
Reference Des
Date 03. 3, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.80



Description
File Name AEC-6940.RPJ
Time 4:56 下午
Failure Rate 11.202099
MTBF 89,269

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1129610080	Capacitor	C111,C112,C152,C153,C154,C177,C179,C222,C223,C224,C225,C226,C227,C238,C239,C240,C241,C242,C243,C261,C262,C267,C272,C281,C290,C296,C303,C306,C307,C314,C323,C324,C325,C326,C327,C328,C329,C34,C349,C	Telcordia Issue 1	Level I		62.00	0.004518	2.5004	221353427.43
1129622050	Capacitor	C131,C194,C220,C221,C230,C245,C246,C254,C255,C271,C282,C297,C38,C42,C60	Telcordia Issue 1	Level I		15.00	0.004518	.6049	221353427.43
11B9747490	Capacitor	C229,C291,C62,C67,C70,C72	Telcordia Issue 1	Level I		6.00	0.004518	.2420	221353427.43
11E9647680	Capacitor	C101,C157,C228,C233,C265,C340,C363,C385,C390,C402,C68,C69,C75	Telcordia Issue 1	Level I		13.00	0.004518	.5243	221353427.43
1124522280	Capacitor	C73	Telcordia Issue 1	Level I		1.00	0.004518	.0403	221353427.43
1124427080	Capacitor	C108,C74	Telcordia Issue 1	Level I		2.00	0.004518	.0807	221353427.43
1122522890	Capacitor	C310,C321,C79	Telcordia Issue 1	Level I		3.00	0.004518	.1210	221353427.43
11B2722650	Capacitor	C338,C339,C391,C392,C99	Telcordia Issue 1	Level I		5.00	0.004518	.2016	221353427.43
11B2710060	Capacitor	C107,C199,C200,C208,C219,C336	Telcordia Issue 1	Level I		6.00	0.004518	.2420	221353427.43
1121610060	Capacitor	C130,C215,C360	Telcordia Issue 1	Level I		3.00	0.004518	.1210	221353427.43
1124515880	Capacitor	C133	Telcordia Issue 1	Level I		1.00	0.004518	.0403	221353427.43
1121733380	Capacitor	C166	Telcordia Issue 1	Level I		1.00	0.004518	.0403	221353427.43
1121533480	Capacitor	C135,C136,C165	Telcordia Issue 1	Level I		3.00	0.004518	.1210	221353427.43
1124547280	Capacitor	C142	Telcordia Issue 1	Level I		1.00	0.005458	.0487	183201032.40
1124518180	Capacitor	C156	Telcordia Issue 1	Level I		1.00	0.004518	.0403	221353427.43
1129522790	Capacitor	C163,C164,C211,C213,C214,C231,C234,C275,C288	Telcordia Issue 1	Level I		9.00	0.004518	.3630	221353427.43
1124533280	Capacitor	C183	Telcordia Issue 1	Level I		1.00	0.005458	.0487	183201032.40
1124533080	Capacitor	C369,C370,C483	Telcordia Issue 1	Level I		3.00	0.004518	.1210	221353427.43
1301005442	Semiconductor	D1,D14,D5,D6	Telcordia Issue 1	Level I		4.00	0.023744	.8478	42115875.63

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Temp. (°C) 24.80



Description
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Time 4:56 下午
Failure Rate 11.202099
MTBF 89,269

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1301053040	Semiconductor	D17,D19,D2,D4	Telcordia Issue 1	Level I		4.00	0.023744	.8478	42115875.63
1300001440	Semiconductor	D12,D18,D22,D23	Telcordia Issue 1	Level I		4.00	0.023744	.8478	42115875.63
1301005440	Semiconductor	D13,D15,D16	Telcordia Issue 1	Level I		3.00	0.023744	.6359	42115875.63
1305099140	Semiconductor	D20,D21	Telcordia Issue 1	Level I		2.00	0.079147	1.4131	12634762.69
1212306033	Inductor	FB1,FB7	Telcordia Issue 1	Level I		2.00	0.002259	.0403	442706854.87
121230603G	Inductor	FB2	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
121230603Z	Inductor	FB3,FB4,FB5	Telcordia Issue 1	Level I		3.00	0.002259	.0605	442706854.87
121230603S	Inductor	FB6	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
121230805X	Inductor	FB8	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
1304001340	Semiconductor	LED2	Telcordia Issue 1	Level I		1.00	0.004788	.0427	208850651.61
105A505603	Resistor	R585	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
1211000180	Inductor	L3	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
1211105673	Inductor	L4	Telcordia Issue 1	Level I		1.00	0.085836	.7662	11650180.39
1211105673	Inductor	L5	Telcordia Issue 1	Level I	40.30	1.00	0.172247	1.5376	5805610.59
1211101064	Inductor	L6	Telcordia Issue 1	Level I	36.70	1.00	0.162966	1.4548	6136266.74
121110010F	Inductor	L11,L13,L7,L8	Telcordia Issue 1	Level I		4.00	0.085836	3.0650	11650180.39
121110100P	Inductor	L10,L15,L9	Telcordia Issue 1	Level I		3.00	0.085836	2.2987	11650180.39
121110336L	Inductor	L1,L2	Telcordia Issue 1	Level I		2.00	0.085836	1.5325	11650180.39
121110336L	Inductor	L12	Telcordia Issue 1	Level I	42.10	1.00	0.177006	1.5801	5649510.95
1211100164	Inductor	L14	Telcordia Issue 1	Level I		1.00	0.085836	.7662	11650180.39
1315662210	Semiconductor	Q2,Q23,Q3,Q8	Telcordia Issue 1	Level I		4.00	0.079147	2.8261	12634762.69
1315662810	Semiconductor	Q20,Q4,Q5,Q7	Telcordia Issue 1	Level I		4.00	0.079147	2.8261	12634762.69
1311006910	Semiconductor	Q10,Q9	Telcordia Issue 1	Level I		2.00	0.023744	.4239	42115875.63
1315446310	Semiconductor	Q11	Telcordia Issue 1	Level I	41.40	1.00	0.225273	2.0110	4439063.77
1315446310	Semiconductor	Q15	Telcordia Issue 1	Level I	39.00	1.00	0.213512	1.9060	4683566.88
1315441012	Semiconductor	Q12,Q27	Telcordia Issue 1	Level I		2.00	0.079147	1.4131	12634762.69
1311390610	Semiconductor	Q16,Q41	Telcordia Issue 1	Level I		2.00	0.023744	.4239	42115875.63
1310390410	Semiconductor	Q17,Q26,Q35,Q36, Q37,Q39,Q40,Q47, Q54	Telcordia Issue 1	Level I		9.00	0.023744	1.9076	42115875.63
1315998410	Semiconductor	Q18	Telcordia Issue 1	Level I		1.00	0.079147	.7065	12634762.69
1315700217	Semiconductor	Q25,Q29,Q31,Q38, Q42,Q43,Q44,Q45, Q46,Q55,Q56	Telcordia Issue 1	Level I		11.00	0.079147	7.7719	12634762.69
131411171C	Integrated Circuit	Q28	Telcordia Issue 1	Level I		1.00	0.058503	.5223	17093092.17
1314108412	Integrated Circuit	Q30	Telcordia Issue 1	Level I		1.00	0.058503	.5223	17093092.17
1315270210	Semiconductor	Q32,Q33	Telcordia Issue 1	Level I		2.00	0.079147	1.4131	12634762.69
1540782282	Resistor	RP1,RP2,RP3,RP4, RP5,RP6,RP7,RP8	Telcordia Issue 1	Level I		8.00	0.012378	.8840	80787269.19

AAEON Reliability Prediction Report

Part Number 969745SP04-S
Reference Des
Date 03. 3, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.80



Description
File Name AEC-6940.RPJ
Time 4:56 下午
Failure Rate 11.202099
MTBF 89,269

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
106B747030	Resistor	RT1	Telcordia Issue 1	Level I		1.00	0.011261	.1005	88801866.72
106B501032	Resistor	RT2	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
105A700009	Resistor	R1,R10,R101,R108, R12,R13,R132,R133, R147,R16,R165,R166, R17,R18,R182,R183, R184,R19,R20,R200, R201,R21,R229,R233, R271,R272,R276, R277,R301,R331, R342,R343,R346,R35, R365,R427,R428, R450,R455,R463, R465,R467,R480, R481,R482,R520,	Telcordia Issue 1	Level I		74.00	0.002259	1.4922	442706854.87
105A501413	Resistor	R22	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
105A701009	Resistor	R136,R15,R209,R212, R213,R215,R230, R332,R333,R379, R395,R6,R7	Telcordia Issue 1	Level I		13.00	0.002259	.2621	442706854.87
105A535713	Resistor	R8	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
105A501633	Resistor	R14	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
105A500139	Resistor	R23,R27,R273,R278, R291,R352,R36,R37, R387,R414,R419, R430,R435,R45,R456, R475,R479,R494, R513,R54,R570,R608, R612,R613,R634, R638,R81	Telcordia Issue 1	Level I		27.00	0.002259	.5444	442706854.87
105A701039	Resistor	R105,R106,R113, R143,R144,R164, R210,R211,R235,R24, R25,R266,R267,R268, R269,R270,R282, R284,R289,R294, R298,R299,R302, R303,R304,R305, R306,R317,R323, R334,R345,R350, R353,R358,R359, R361,R362,R364, R367,R370,R372,	Telcordia Issue 1	Level I		82.00	0.002259	1.6535	442706854.87
105A501039	Resistor	R205,R214,R26,R281, R507,R573	Telcordia Issue 1	Level I		6.00	0.002259	.1210	442706854.87

AAEON Reliability Prediction Report

Part Number 969745SP04-S
Reference Des
Date 03. 3, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.80



Description
File Name AEC-6940.RPJ
Time 4:56 下午
Failure Rate 11.202099
MTBF 89,269

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1050520004	Resistor	R168,R453,R474, R476,R477,R478, R492,R493	Telcordia Issue 1	Level I		8.00	0.002259	.1613	442706854.87
105A547503	Resistor	R169,R439,R451, R461	Telcordia Issue 1	Level I		4.00	0.002259	.0807	442706854.87
105A549933	Resistor	R171	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
105A501123	Resistor	R176,R180	Telcordia Issue 1	Level I		2.00	0.002259	.0403	442706854.87
105A556213	Resistor	R179	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
105A575033	Resistor	R202	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
1059700001	Resistor	R203	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
105A514733	Resistor	R204	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
105A501133	Resistor	R208	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
105A701053	Resistor	R231,R523	Telcordia Issue 1	Level I		2.00	0.002259	.0403	442706854.87
105A700003	Resistor	R232,R237,R259, R260,R261,R264, R279,R280,R283, R636	Telcordia Issue 1	Level I		10.00	0.002259	.2016	442706854.87
1050510034	Resistor	R236	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
105A501539	Resistor	R255	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
105A503933	Resistor	R238	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
105A536513	Resistor	R262,R265	Telcordia Issue 1	Level I		2.00	0.002259	.0403	442706854.87
105A700103	Resistor	R286,R288	Telcordia Issue 1	Level I		2.00	0.002259	.0403	442706854.87
105A526113	Resistor	R287	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
105A564903	Resistor	R307	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
105A708223	Resistor	R335,R351	Telcordia Issue 1	Level I		2.00	0.002259	.0403	442706854.87
105A549969	Resistor	R380	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
105A515009	Resistor	R399,R400,R405, R406,R412,R413	Telcordia Issue 1	Level I		6.00	0.002259	.1210	442706854.87
1050502424	Resistor	R403	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
105A522103	Resistor	R415	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
105A518703	Resistor	R441	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
105A511503	Resistor	R443	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
105A512103	Resistor	R454	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
105A517423	Resistor	R503	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
105A507533	Resistor	R505	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
105A747033	Resistor	R510	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
105A733033	Resistor	R524,R529	Telcordia Issue 1	Level I		2.00	0.002259	.0403	442706854.87
105A710053	Resistor	R530	Telcordia Issue 1	Level I		1.00	0.013553	.1210	73784475.81
105A702033	Resistor	R532	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
1050701504	Resistor	R574	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87

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Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.80



Description
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Time 4:56 下午
Failure Rate 11.202099
MTBF 89,269

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate,%	MTBF, Unit
105A704729	Resistor	R578,R614	Telcordia Issue 1	Level I		2.00	0.002259	.0403	442706854.87
105A549903	Resistor	R584	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
1050502224	Resistor	R624	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
1050700002	Resistor	R601	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
1189622150	Capacitor	TC1,TC15,TC20,TC22,TC25,TC26,TC3,TC30	Telcordia Issue 1	Level I		8.00	0.004518	.3226	221353427.43
1189633160	Capacitor	TC12,TC13,TC14,TC16,TC17,TC18,TC19,TC21,TC23,TC24,TC4,TC7,TC8, TC9	Telcordia Issue 1	Level I		14.00	0.004518	.5646	221353427.43
1142522080	Capacitor	TC11,TC29,TC5,TC6	Telcordia Issue 1	Level I		4.00	0.004518	.1613	221353427.43
1189610151	Capacitor	TC10,TC28	Telcordia Issue 1	Level I		2.00	0.004518	.0807	221353427.43
1189615161	Capacitor	TC27	Telcordia Issue 1	Level I		1.00	0.042229	.3770	23680497.79
14S2262100	Integrated Circuit	U2	Telcordia Issue 1	Level I		1.00	0.058503	.5223	17093092.17
14S4195710	Integrated Circuit	U3	Telcordia Issue 1	Level I		1.00	0.058503	.5223	17093092.17
14S2048600	Integrated Circuit	U4	Telcordia Issue 1	Level I		1.00	0.058503	.5223	17093092.17
14S2041500	Integrated Circuit	U5	Telcordia Issue 1	Level I		1.00	0.058503	.5223	17093092.17
14S4081110	Integrated Circuit	U6	Telcordia Issue 1	Level I		1.00	0.058503	.5223	17093092.17
14S4751100	Integrated Circuit	U16	Telcordia Issue 1	Level I		1.00	0.025876	.2310	38645358.49
14S5A00821	Integrated Circuit	U18,U19,U20,U23, U25,U26	Telcordia Issue 1	Level I		6.00	0.025876	1.3860	38645358.49
14S2951600	Integrated Circuit	U21	Telcordia Issue 1	Level I		1.00	0.058503	.5223	17093092.17
14S5A00700	Integrated Circuit	U22	Telcordia Issue 1	Level I		1.00	0.024950	.2227	40080193.24
14S9811500	Integrated Circuit	U27	Telcordia Issue 1	Level I		1.00	0.058503	.5223	17093092.17
14S5812300	Integrated Circuit	U28	Telcordia Issue 1	Level I		1.00	0.025876	.2310	38645358.49
123131435B	Miscellaneous	Y3	Telcordia Issue 1	Level I		1.00	0.150000	1.3390	6666666.67
1231332721	Miscellaneous	Y5	Telcordia Issue 1	Level I		1.00	0.150000	1.3390	6666666.67
1231325058	Miscellaneous	Y6	Telcordia Issue 1	Level I		1.00	0.150000	1.3390	6666666.67
1651611993	Connection	U9	Telcordia Issue 1	Level I		1.00	0.269138	2.4026	3715559.28
16515A099G	Connection	DIMM2	Telcordia Issue 1	Level I		1.00	0.001126	.0101	888018667.20
105A708229	Resistor	R609	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
1315002010	Semiconductor	Q57	Telcordia Issue 1	Level I		1.00	0.079147	.7065	12634762.69
105A701033	Resistor	R615	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
14S4245000	Integrated Circuit	U29	Telcordia Issue 1	Level I	33.00	1.00	0.148723	1.3276	6723921.70
14S4280119	Integrated Circuit	U30	Telcordia Issue 1	Level I	33.40	1.00	0.151584	1.3532	6596980.80
14S4256700	Integrated Circuit	U31	Telcordia Issue 1	Level I	31.40	1.00	0.137742	1.2296	7259946.67
14S3050500	Integrated Circuit	U12	Telcordia Issue 1	Level I	36.20	1.00	0.622327	5.5555	1606872.09
14S3626201	Integrated Circuit	U1	Telcordia Issue 1	Level I		1.00	0.058503	.5223	17093092.17

AAEON Reliability Prediction Report

Part Number 969745SP04-S
Reference Des
Date 03. 3, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.80



Description
File Name AEC-6940.RPJ
Time 4:56 下午
Failure Rate 11.202099
MTBF 89,269

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
14S5A00401	Integrated Circuit	U33	Telcordia Issue 1	Level I		1.00	0.025876	.2310	38645358.49
105A705129	Resistor	C109,C86	Telcordia Issue 1	Level I		2.00	0.002259	.0403	442706854.87
14S9781800	Integrated Circuit	U11	Telcordia Issue 1	Level I		1.00	0.058503	.5223	17093092.17
14S4963500	Integrated Circuit	U17	Telcordia Issue 1	Level I		1.00	0.058503	.5223	17093092.17
1315422410	Semiconductor	Q1,Q6	Telcordia Issue 1	Level I		2.00	0.079147	1.4131	12634762.69
1600010203	Connection	S1	Telcordia Issue 1	Level I		1.00	0.001126	.0101	888018667.20
14S6201601	Integrated Circuit		Telcordia Issue 1	Level I		1.00	0.164105	1.4649	6093675.56
1050505124	Resistor	R576	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
105A513723	Resistor	R3	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
1050518264	Resistor	R567	Telcordia Issue 1	Level I		1.00	0.002259	.0202	442706854.87
14D4226001	Integrated Circuit	CPU	Telcordia Issue 1	Level I	38.00	1.00	0.188117	1.6793	5315848.09
14D6C02G20	Integrated Circuit	DDR3	Telcordia Issue 1	Level I		1.00	0.031535	.2815	31711021.78

AAEON Reliability Prediction Report

Part Number DTXP694002-D
Reference Des
Date 03. 3, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.80



Description
File Name AEC-6940.RPJ
Time 4:57 下午
Failure Rate 14.910950
MTBF 67,065

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1759100006	Miscellaneous	BZ1	Telcordia Issue 1	Level I		1.00	0.150000	1.0060	6666666.67
165392521J	Connection	CFD1	Telcordia Issue 1	Level I		1.00	0.001126	.0076	888018667.20
1654926900	Connection	CN7B	Telcordia Issue 1	Level I		1.00	0.029279	.1964	34154564.12
1654226300	Connection	CN7A	Telcordia Issue 1	Level I		1.00	0.029279	.1964	34154564.12
1654030003	Connection	CN8	Telcordia Issue 1	Level I		1.00	0.016892	.1133	59201244.48
16540M0201	Connection	CN12,CN13	Telcordia Issue 1	Level I		2.00	0.123871	1.6615	8072896.97
1653926110	Connection	CN24	Telcordia Issue 1	Level I		1.00	0.014639	.0982	68309128.25
1214309000	Inductor	CH1,CH2,CH3,CH4, CH5,CH6,CH7,CH8	Telcordia Issue 1	Level I		8.00	0.002259	.1212	442706854.87
1053500279	Resistor	CR1,CR2	Telcordia Issue 1	Level I		2.00	0.002259	.0303	442706854.87
1124533180	Capacitor	C1	Telcordia Issue 1	Level I		1.00	0.004518	.0303	221353427.43
11C1501080	Capacitor	C121,C18,C181,C184, C187,C188,C189, C190,C192,C193, C195,C2,C20,C202, C21,C22,C254,C3, C302,C303,C309, C314,C316,C317, C356,C47,C58,C66, C71,C74,C77,C78, C84,C9,C91,C96,C97	Telcordia Issue 1	Level I		37.00	0.004518	1.1210	221353427.43
1121501690	Capacitor	C10,C101,C102,C105, C108,C109,C110, C111,C112,C113, C114,C115,C116, C117,C118,C12,C120, C122,C126,C136, C142,C143,C144, C148,C149,C150, C151,C154,C156, C158,C160,C161, C162,C163,C166, C170,C172,C173, C175,C177,C178,	Telcordia Issue 1	Level I		156.00	0.004518	4.7264	221353427.43
1124510280	Capacitor	C141,C230,C311,C5, C85	Telcordia Issue 1	Level I		5.00	0.005458	.1830	183201032.40
1121501680	Capacitor	C11,C19,C329,C330, C331,C333,C336, C337,C37,C40	Telcordia Issue 1	Level I		10.00	0.004518	.3030	221353427.43
1121610180	Capacitor	C13,C14,C219,C312, C315,C318,C321,C82	Telcordia Issue 1	Level I		8.00	0.004518	.2424	221353427.43
1124547080	Capacitor	C15,C16,C17,C29, C30,C305,C306,C307, C308,C31	Telcordia Issue 1	Level I		10.00	0.004518	.3030	221353427.43

AAEON Reliability Prediction Report

Part Number DTXP694002-D
Reference Des
Date 03. 3, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.80

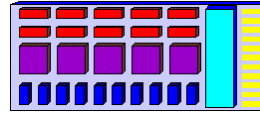


Description
File Name AEC-6940.RPJ
Time 4:57 下午
Failure Rate 14.910950
MTBF 67,065

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1124547180	Capacitor	C23,C298,C299,C300, C301	Telcordia Issue 1	Level I		5.00	0.005458	.1830	183201032.40
1124510080	Capacitor	C167,C171,C39,C41	Telcordia Issue 1	Level I		4.00	0.004518	.1212	221353427.43
1129701790	Capacitor	C200,C222,C224, C226,C42,C63,C88	Telcordia Issue 1	Level I		7.00	0.004518	.2121	221353427.43
11E9622050	Capacitor	C43,C54,C76	Telcordia Issue 1	Level I		3.00	0.004518	.0909	221353427.43
11E1510050	Capacitor	C100,C103,C107, C131,C145,C153, C157,C164,C165, C168,C169,C176, C180,C197,C231, C245,C287,C310, C325,C326,C327, C328,C332,C334, C335,C338,C339, C354,C355,C361, C362,C367,C371, C372,C373,C44,C55, C56,C65,C98,C99	Telcordia Issue 1	Level I		41.00	0.004518	1.2422	221353427.43
1124533190	Capacitor	C48,C49,C50	Telcordia Issue 1	Level I		3.00	0.005458	.1098	183201032.40
11E9647680	Capacitor	C52,C79	Telcordia Issue 1	Level I		2.00	0.004518	.0606	221353427.43
1124427080	Capacitor	C104,C75,C90	Telcordia Issue 1	Level I		3.00	0.004518	.0909	221353427.43
1124501780	Capacitor	C174,C81	Telcordia Issue 1	Level I		2.00	0.004518	.0606	221353427.43
1124422080	Capacitor	C106,C119,C155	Telcordia Issue 1	Level I		3.00	0.005458	.1098	183201032.40
1124405080	Capacitor	C123,C125,C133, C135,C138,C140	Telcordia Issue 1	Level I		6.00	0.005458	.2196	183201032.40
1129610080	Capacitor	C129,C130	Telcordia Issue 1	Level I		2.00	0.004518	.0606	221353427.43
11C4501060	Capacitor	C146,C209	Telcordia Issue 1	Level I		2.00	0.004518	.0606	221353427.43
1121647480	Capacitor	C147	Telcordia Issue 1	Level I		1.00	0.004518	.0303	221353427.43
1122522890	Capacitor	C152,C205	Telcordia Issue 1	Level I		2.00	0.004518	.0606	221353427.43
11E1647650	Capacitor	C159	Telcordia Issue 1	Level I		1.00	0.004518	.0303	221353427.43
1124522290	Capacitor	C198	Telcordia Issue 1	Level I		1.00	0.004518	.0303	221353427.43
11B4747660	Capacitor	C203,C208,C291	Telcordia Issue 1	Level I		3.00	0.004518	.0909	221353427.43
11C1522480	Capacitor	C206,C228	Telcordia Issue 1	Level I		2.00	0.004518	.0606	221353427.43
1121547661	Capacitor	C216,C220,C257	Telcordia Issue 1	Level I		3.00	0.004518	.0909	221353427.43
1129710390	Capacitor	C223,C225	Telcordia Issue 1	Level I		2.00	0.004518	.0606	221353427.43
1124522180	Capacitor	C229,C360	Telcordia Issue 1	Level I		2.00	0.004518	.0606	221353427.43
1129622690	Capacitor	C241	Telcordia Issue 1	Level I		1.00	0.004518	.0303	221353427.43
11C2510190	Capacitor	C243,C244,C246, C247	Telcordia Issue 1	Level I		4.00	0.004518	.1212	221353427.43
11E2522090	Capacitor	C253	Telcordia Issue 1	Level I		1.00	0.004518	.0303	221353427.43

AAEON Reliability Prediction Report

Part Number DTXP694002-D
Reference Des
Date 03. 3, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.80



Description
File Name AEC-6940.RPJ
Time 4:57 下午
Failure Rate 14.910950
MTBF 67,065

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1124701680	Capacitor	C210,C213,C292	Telcordia Issue 1	Level I		3.00	0.004518	.0909	221353427.43
1125501760	Capacitor	C364	Telcordia Issue 1	Level I		1.00	0.004518	.0303	221353427.43
1301005442	Semiconductor	D2,D29,D3	Telcordia Issue 1	Level I		3.00	0.023744	.4777	42115875.63
1305100541	Semiconductor	D10,D11,D12,D13, D16,D17,D18,D19, D38,D39,D4,D5,D6, D7,D8,D9	Telcordia Issue 1	Level I		16.00	0.023744	2.5478	42115875.63
1301005441	Semiconductor	D14,D15,D20	Telcordia Issue 1	Level I		3.00	0.027106	.5454	36892237.91
1301003240	Semiconductor	D21	Telcordia Issue 1	Level I		1.00	0.023744	.1592	42115875.63
1301002240	Semiconductor	D22,D23	Telcordia Issue 1	Level I		2.00	0.023744	.3185	42115875.63
1301005440	Semiconductor	D24,D25,D37	Telcordia Issue 1	Level I		3.00	0.023744	.4777	42115875.63
1301003640	Semiconductor	D26,D27,D33,D36, D40,D42	Telcordia Issue 1	Level I		6.00	0.023744	.9554	42115875.63
1300003240	Semiconductor	D28	Telcordia Issue 1	Level I		1.00	0.023744	.1592	42115875.63
1300005440	Semiconductor	D30	Telcordia Issue 1	Level I	26.80	1.00	0.048179	.3231	20756146.38
1301053040	Semiconductor	D31	Telcordia Issue 1	Level I		1.00	0.023744	.1592	42115875.63
1300001440	Semiconductor	D32,D34,D35	Telcordia Issue 1	Level I		3.00	0.023744	.4777	42115875.63
1301003440	Semiconductor	D41	Telcordia Issue 1	Level I		1.00	0.023744	.1592	42115875.63
1212306030	Inductor	FB1,FB12,FB13,FB19, FB2,FB22,FB24,FB26, FB3,FB30,FB31,FB32, FB33,FB34,FB36, FB37,FB38,FB39,FB4, FB40,FB41,FB46, FB47,FB52,FB53	Telcordia Issue 1	Level I		25.00	0.002259	.3787	442706854.87
121230603S	Inductor	FB14,FB18,FB20, FB21,FB35	Telcordia Issue 1	Level I		5.00	0.002259	.0757	442706854.87
1212306033	Inductor	FB15,FB16,FB17, FB48,FB49,FB5,FB50, FB51,FB6	Telcordia Issue 1	Level I		9.00	0.002259	.1363	442706854.87
1212306032	Inductor	FB27,FB29,FB42, FB43,FB44,FB45,FB7, FB8,FB9	Telcordia Issue 1	Level I		9.00	0.002259	.1363	442706854.87
121230603I	Inductor	FB23,FB28	Telcordia Issue 1	Level I		2.00	0.002259	.0303	442706854.87
121110336B	Inductor	L1	Telcordia Issue 1	Level I		1.00	0.002259	.0151	442706854.87
121110100K	Inductor	L2,L3	Telcordia Issue 1	Level I		2.00	0.002259	.0303	442706854.87
121110336H	Inductor	L4,L5	Telcordia Issue 1	Level I		2.00	0.085836	1.1513	11650180.39
1211102266	Inductor	L6,L7	Telcordia Issue 1	Level I		2.00	0.002259	.0303	442706854.87
1654262300	Connection	MPC11	Telcordia Issue 1	Level I		1.00	0.069818	.4682	14322881.73
1233324050	Miscellaneous	OSC1	Telcordia Issue 1	Level I		1.00	0.360000	2.4143	2777777.78
1315700211	Semiconductor	Q1,Q13,Q14,Q15,Q2, Q27,Q29,Q3,Q4,Q8	Telcordia Issue 1	Level I		10.00	0.079147	5.3080	12634762.69
1311138610	Semiconductor	Q5,Q6	Telcordia Issue 1	Level I		2.00	0.023744	.3185	42115875.63

AAEON Reliability Prediction Report

Part Number DTXP694002-D
Reference Des
Date 03. 3, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.80



Description
File Name AEC-6940.RPJ
Time 4:57 下午
Failure Rate 14.910950
MTBF 67,065

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1315230300	Semiconductor	Q7	Telcordia Issue 1	Level I		1.00	0.079147	.5308	12634762.69
1311390610	Semiconductor	Q30	Telcordia Issue 1	Level I		1.00	0.023744	.1592	42115875.63
1310390410	Semiconductor	Q17, Q28, Q33, Q9	Telcordia Issue 1	Level I		4.00	0.023744	.6370	42115875.63
1315667910	Semiconductor	Q10	Telcordia Issue 1	Level I		1.00	0.158293	1.0616	6317381.35
1315441012	Semiconductor	Q11	Telcordia Issue 1	Level I		1.00	0.079147	.5308	12634762.69
1315700310	Semiconductor	Q12	Telcordia Issue 1	Level I		1.00	0.079147	.5308	12634762.69
1315567010	Semiconductor	Q16	Telcordia Issue 1	Level I		1.00	0.047488	.3185	21057937.82
1315567011	Semiconductor	Q18, Q19, Q21, Q22, Q23, Q24, Q25, Q26, Q31, Q32	Telcordia Issue 1	Level I		10.00	0.079147	5.3080	12634762.69
1315030210	Semiconductor	Q20	Telcordia Issue 1	Level I		1.00	0.079147	.5308	12634762.69
1540722085	Resistor	RP1, RP2, RP3, RP4, RP5	Telcordia Issue 1	Level I		5.00	0.012378	.4151	80787269.19
1540710080	Resistor	RP10, RP11, RP15, RP16, RP17, RP18, RP19, RP20, RP6, RP7, RP8, RP9	Telcordia Issue 1	Level I		12.00	0.006189	.4981	161574538.37
1540782280	Resistor	RP12, RP13, RP14	Telcordia Issue 1	Level I		3.00	0.006189	.1245	161574538.37
106B501031	Resistor	RT1, RT2, RT3	Telcordia Issue 1	Level I		3.00	0.011261	.2266	88801866.72
105A704723	Resistor	R1, R110, R231, R253, R254, R28, R353, R355, R360, R361, R388, R391, R435, R443, R65	Telcordia Issue 1	Level I		15.00	0.002259	.2272	442706854.87
105A700003	Resistor	FB10, FB11, R101, R104, R112, R114, R118, R119, R124, R157, R17, R19, R2, R20, R206, R208, R257, R272, R273, R278, R290, R298, R3, R305, R306, R321, R329, R330, R333, R334, R335, R339, R340, R341, R342, R343, R344, R345, R346, R349, R364, R365	Telcordia Issue 1	Level I		62.00	0.002259	.9392	442706854.87
105A733003	Resistor	R48, R49, R51, R52, R55, R57, R6, R7	Telcordia Issue 1	Level I		8.00	0.002259	.1212	442706854.87
105A700009	Resistor	R122, R144, R173, R177, R297, R303, R338, R37, R458, R459, R460, R461, R462, R9, R90, R91, R92	Telcordia Issue 1	Level I		17.00	0.002259	.2575	442706854.87
105A704729	Resistor	R11, R121, R154, R158, R275, R301, R327, R453, R457, R63	Telcordia Issue 1	Level I		10.00	0.002259	.1515	442706854.87

AAEON Reliability Prediction Report

Part Number DTXP694002-D
Reference Des
Date 03. 3, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.80



Description
File Name AEC-6940.RPJ
Time 4:57 下午
Failure Rate 14.910950
MTBF 67,065

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate,%	MTBF, Unit
105A700133	Resistor	R15,R16,R214,R255, R262,R263,R27,R356, R423,R425,R428,R73, R76,R77,R99	Telcordia Issue 1	Level I		15.00	0.002259	.2272	442706854.87
105A702233	Resistor	R21,R22,R261,R371, R380	Telcordia Issue 1	Level I		5.00	0.002259	.0757	442706854.87
105A702223	Resistor	R376,R385	Telcordia Issue 1	Level I		2.00	0.002259	.0303	442706854.87
105A507503	Resistor	R23,R24,R25	Telcordia Issue 1	Level I		3.00	0.002259	.0454	442706854.87
105A701033	Resistor	R106,R113,R164, R182,R186,R191, R192,R194,R205, R215,R228,R233, R234,R239,R240, R260,R264,R265, R266,R282,R284, R287,R293,R308, R312,R323,R324, R398,R413,R430, R464,R466,R58,R98	Telcordia Issue 1	Level I		34.00	0.002259	.5151	442706854.87
105A515003	Resistor	R155,R163,R170,R59, R60,R61	Telcordia Issue 1	Level I		6.00	0.002259	.0909	442706854.87
105A510003	Resistor	R115,R362,R64	Telcordia Issue 1	Level I		3.00	0.002259	.0454	442706854.87
105A710033	Resistor	R314,R326,R71,R72, R79,R80,R96	Telcordia Issue 1	Level I		7.00	0.002259	.1060	442706854.87
105A549919	Resistor	R100,R89,R97	Telcordia Issue 1	Level I		3.00	0.002259	.0454	442706854.87
1059700001	Resistor	R133,R283,R286, R463,R94	Telcordia Issue 1	Level I		5.00	0.002259	.0757	442706854.87
105A700139	Resistor	R125,R129,R135, R150,R151,R152, R337,R456,R95	Telcordia Issue 1	Level I		9.00	0.002259	.1363	442706854.87
105A502039	Resistor	R102,R209,R267, R389	Telcordia Issue 1	Level I		4.00	0.002259	.0606	442706854.87
105A522003	Resistor	R116	Telcordia Issue 1	Level I		1.00	0.002259	.0151	442706854.87
105A520503	Resistor	R123	Telcordia Issue 1	Level I		1.00	0.002259	.0151	442706854.87
105A590963	Resistor	R127	Telcordia Issue 1	Level I		1.00	0.002259	.0151	442706854.87
105A701039	Resistor	R130,R143,R451	Telcordia Issue 1	Level I		3.00	0.002259	.0454	442706854.87
105A704733	Resistor	R131,R317	Telcordia Issue 1	Level I		2.00	0.002259	.0303	442706854.87
105A503309	Resistor	R141,R174	Telcordia Issue 1	Level I		2.00	0.002259	.0303	442706854.87
105A702263	Resistor	R136,R259	Telcordia Issue 1	Level I		2.00	0.002259	.0303	442706854.87
105A702203	Resistor	R137,R138,R248, R249,R250,R252, R258	Telcordia Issue 1	Level I		7.00	0.002259	.1060	442706854.87
105A708209	Resistor	R142,R156,R169	Telcordia Issue 1	Level I		3.00	0.002259	.0454	442706854.87
1050502204	Resistor	R145,R148,R159, R172	Telcordia Issue 1	Level I		4.00	0.002259	.0606	442706854.87
105A701053	Resistor	R146,R207,R291, R304,R309,R433	Telcordia Issue 1	Level I		6.00	0.002259	.0909	442706854.87
105A701233	Resistor	R153	Telcordia Issue 1	Level I		1.00	0.002259	.0151	442706854.87

AAEON Reliability Prediction Report

Part Number DTXP694002-D
Reference Des
Date 03. 3, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.80



Description
File Name AEC-6940.RPJ
Time 4:57 下午
Failure Rate 14.910950
MTBF 67,065

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A751003	Resistor	R160,R161,R162	Telcordia Issue 1	Level I		3.00	0.002259	.0454	442706854.87
105A708223	Resistor	R347,R348	Telcordia Issue 1	Level I		2.00	0.002259	.0303	442706854.87
105A549963	Resistor	R183,R184,R187, R188,R189,R190, R235,R236,R237, R238,R241,R242, R243,R244	Telcordia Issue 1	Level I		14.00	0.002259	.2121	442706854.87
105A547503	Resistor	R193	Telcordia Issue 1	Level I		1.00	0.002259	.0151	442706854.87
105A503300	Resistor	R196,R197,R200, R201,R202,R203, R218,R219,R220, R221,R224,R225, R226,R227	Telcordia Issue 1	Level I		14.00	0.002259	.2121	442706854.87
105A507523	Resistor	R210	Telcordia Issue 1	Level I		1.00	0.002259	.0151	442706854.87
105A524913	Resistor	R211,R285	Telcordia Issue 1	Level I		2.00	0.002259	.0303	442706854.87
105A516923	Resistor	R212	Telcordia Issue 1	Level I		1.00	0.002259	.0151	442706854.87
105A703303	Resistor	R256,R320,R322, R331,R432,R442	Telcordia Issue 1	Level I		6.00	0.002259	.0909	442706854.87
105A512413	Resistor	R268,R269	Telcordia Issue 1	Level I		2.00	0.002259	.0303	442706854.87
1059501001	Resistor	R270	Telcordia Issue 1	Level I		1.00	0.002259	.0151	442706854.87
105A534823	Resistor	R279	Telcordia Issue 1	Level I		1.00	0.002259	.0151	442706854.87
105A701003	Resistor	R280,R367,R370	Telcordia Issue 1	Level I		3.00	0.002259	.0454	442706854.87
1059700101	Resistor	R281	Telcordia Issue 1	Level I		1.00	0.002259	.0151	442706854.87
1059710051	Resistor	R289	Telcordia Issue 1	Level I		1.00	0.013553	.0909	73784475.81
1050597623	Resistor	R292	Telcordia Issue 1	Level I		1.00	0.002259	.0151	442706854.87
105A501033	Resistor	R294,R382,R437, R439,R441,R444, R445,R446,R447	Telcordia Issue 1	Level I		9.00	0.002259	.1363	442706854.87
105A518223	Resistor	R296	Telcordia Issue 1	Level I		1.00	0.002259	.0151	442706854.87
105A502033	Resistor	R302,R450	Telcordia Issue 1	Level I		2.00	0.002259	.0303	442706854.87
105A556223	Resistor	R307	Telcordia Issue 1	Level I		1.00	0.002259	.0151	442706854.87
105A512033	Resistor	R310	Telcordia Issue 1	Level I		1.00	0.002259	.0151	442706854.87
105A501533	Resistor	R311,R313	Telcordia Issue 1	Level I		2.00	0.002259	.0303	442706854.87
105A539203	Resistor	R315	Telcordia Issue 1	Level I		1.00	0.002259	.0151	442706854.87
105A524303	Resistor	R316	Telcordia Issue 1	Level I		1.00	0.002259	.0151	442706854.87
1059705151	Resistor	R318,R319	Telcordia Issue 1	Level I		2.00	0.013553	.1818	73784475.81
105A747039	Resistor	R328	Telcordia Issue 1	Level I		1.00	0.002259	.0151	442706854.87
105A547523	Resistor	R351	Telcordia Issue 1	Level I		1.00	0.002259	.0151	442706854.87
105A515033	Resistor	R352	Telcordia Issue 1	Level I		1.00	0.002259	.0151	442706854.87
1054600289	Resistor	R357,R363	Telcordia Issue 1	Level I		2.00	0.016375	.2196	61067010.80

AAEON Reliability Prediction Report

Part Number DTXP694002-D
Reference Des
Date 03. 3, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.80



Description
File Name AEC-6940.RPJ
Time 4:57 下午
Failure Rate 14.910950
MTBF 67,065

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate,%	MTBF, Unit
105A703903	Resistor	R368,R369,R405, R406,R407,R408, R409,R410,R411, R412	Telcordia Issue 1	Level I		10.00	0.002259	.1515	442706854.87
105A705129	Resistor	R390	Telcordia Issue 1	Level I		1.00	0.002259	.0151	442706854.87
105A511503	Resistor	R399	Telcordia Issue 1	Level I		1.00	0.002259	.0151	442706854.87
105A502200	Resistor	R402	Telcordia Issue 1	Level I		1.00	0.002259	.0151	442706854.87
105A705133	Resistor	R416	Telcordia Issue 1	Level I		1.00	0.002259	.0151	442706854.87
105A506823	Resistor	R438,R440	Telcordia Issue 1	Level I		2.00	0.002259	.0303	442706854.87
105A503033	Resistor	R448	Telcordia Issue 1	Level I		1.00	0.002259	.0151	442706854.87
1050547004	Resistor	R449,R455	Telcordia Issue 1	Level I		2.00	0.002259	.0303	442706854.87
105A515433	Resistor	R452	Telcordia Issue 1	Level I		1.00	0.002259	.0151	442706854.87
1181647080	Capacitor	TC1,TC2,TC3,TC8,TC9	Telcordia Issue 1	Level I		5.00	0.004518	.1515	221353427.43
1181647080	Capacitor	TC5	Telcordia Issue 1	Level I	29.20	1.00	0.007612	.0511	131364020.77
1181647080	Capacitor	TC4	Telcordia Issue 1	Level I	32.30	1.00	0.008003	.0537	124960454.54
1189615151	Capacitor	TC6,TC7	Telcordia Issue 1	Level I		2.00	0.004518	.0606	221353427.43
1315970211	Semiconductor	U1,U11,U6	Telcordia Issue 1	Level I		3.00	0.158293	3.1848	6317381.35
14S4070610	Integrated Circuit	U2	Telcordia Issue 1	Level I		1.00	0.058503	.3924	17093092.17
14S5A00700	Integrated Circuit	U3	Telcordia Issue 1	Level I		1.00	0.024950	.1673	40080193.24
14S2200900	Integrated Circuit	U4	Telcordia Issue 1	Level I		1.00	0.058503	.3924	17093092.17
14S3088801	Integrated Circuit	U5	Telcordia Issue 1	Level I	33.40	1.00	0.527964	3.5408	1894068.90
14S4825740	Integrated Circuit	U7	Telcordia Issue 1	Level I	26.20	1.00	0.106791	.7162	9364085.62
14S6308001	Integrated Circuit	U8	Telcordia Issue 1	Level I		1.00	0.035361	.2371	28279854.47
131411171C	Integrated Circuit	U9	Telcordia Issue 1	Level I		1.00	0.058503	.3924	17093092.17
14S4033001	Integrated Circuit	U10	Telcordia Issue 1	Level I	29.00	1.00	0.122600	.8222	8156635.69
14S3348100	Integrated Circuit	U12	Telcordia Issue 1	Level I		1.00	0.058503	.3924	17093092.17
14S3910800	Integrated Circuit	U13	Telcordia Issue 1	Level I	29.90	1.00	0.428174	2.8715	2335501.50
14S4650601	Integrated Circuit	U14	Telcordia Issue 1	Level I		1.00	0.058503	.3924	17093092.17
14S4911216	Integrated Circuit	U15	Telcordia Issue 1	Level I		1.00	0.058503	.3924	17093092.17
14S3372801	Integrated Circuit	U16	Telcordia Issue 1	Level I	31.10	1.00	0.460291	3.0869	2172537.48
14S3378000	Integrated Circuit	U17	Telcordia Issue 1	Level I	32.00	1.00	0.485783	3.2579	2058532.78
1315177810	Semiconductor	U18	Telcordia Issue 1	Level I		1.00	0.158293	1.0616	6317381.35
14S9811500	Integrated Circuit	U19	Telcordia Issue 1	Level I		1.00	0.058503	.3924	17093092.17
14S5912300	Integrated Circuit	U20	Telcordia Issue 1	Level I		1.00	0.025876	.1735	38645358.49
14S3128421	Integrated Circuit	U21	Telcordia Issue 1	Level I		1.00	0.058503	.3924	17093092.17
14S5A01400	Integrated Circuit	U22	Telcordia Issue 1	Level I		1.00	0.058503	.3924	17093092.17
14S5A12503	Integrated Circuit	U23	Telcordia Issue 1	Level I		1.00	0.058503	.3924	17093092.17
14S4021301	Integrated Circuit	U24,U27,U28,U29, U30,U39	Telcordia Issue 1	Level I		6.00	0.058503	2.3541	17093092.17

AAEON Reliability Prediction Report

Part Number DTXP694002-D
Reference Des
Date 03. 3, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.80



Description
File Name AEC-6940.RPJ
Time 4:57 下午
Failure Rate 14.910950
MTBF 67,065

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate,%	MTBF, Unit
14S4048501	Integrated Circuit	U25,U26	Telcordia Issue 1	Level I		2.00	0.058503	.7847	17093092.17
14S4121601	Integrated Circuit	U31	Telcordia Issue 1	Level I		1.00	0.025876	.1735	38645358.49
1315970110	Semiconductor	U32	Telcordia Issue 1	Level I		1.00	0.158293	1.0616	6317381.35
14S5A00401	Integrated Circuit	U33	Telcordia Issue 1	Level I		1.00	0.025876	.1735	38645358.49
14S3115001	Integrated Circuit	U34	Telcordia Issue 1	Level I		1.00	0.058503	.3924	17093092.17
14S9223100	Integrated Circuit	U35	Telcordia Issue 1	Level I		1.00	0.058503	.3924	17093092.17
14S4871203	Integrated Circuit	U36	Telcordia Issue 1	Level I	25.30	1.00	0.102104	.6848	9793932.95
1314193110	Integrated Circuit	U37	Telcordia Issue 1	Level I		1.00	0.058503	.3924	17093092.17
14S5A12505	Integrated Circuit	U38	Telcordia Issue 1	Level I		1.00	0.058503	.3924	17093092.17
1231325054	Miscellaneous	Y1,Y2	Telcordia Issue 1	Level I		2.00	0.150000	2.0119	6666666.67
1750220323	Connection	BT1	Telcordia Issue 1	Level I		1.00	0.001126	.0076	888018667.20
175011901H	Miscellaneous	BT1	Telcordia Issue 1	Level I		1.00	0.900000	6.0358	1111111.11
1653900039	Connection	CFD1	Telcordia Issue 1	Level I		1.00	0.001126	.0076	888018667.20
1654606306	Connection	CN1	Telcordia Issue 1	Level I		1.00	0.003378	.0227	296006222.40
1654609301	Connection	CN2	Telcordia Issue 1	Level I		1.00	0.005067	.0340	197337481.60
1654415309	Connection	CN3	Telcordia Issue 1	Level I		1.00	0.008446	.0566	118402488.96
1652522202	Connection	CN4,CN5	Telcordia Issue 1	Level I		2.00	0.012387	.1661	80728969.75
1655304020	Connection	CN6,CN9	Telcordia Issue 1	Level I		2.00	0.002252	.0302	444009333.60
165320520L	Connection	CN10,CN16,CN17, CN18	Telcordia Issue 1	Level I		4.00	0.005631	.1510	177603733.44
1654282206	Connection	CN11	Telcordia Issue 1	Level I		1.00	0.001126	.0076	888018667.20
1655003010	Connection	CN14	Telcordia Issue 1	Level I		1.00	0.001689	.0113	592012444.80
165321320G	Connection	CN15	Telcordia Issue 1	Level I		1.00	0.014639	.0982	68309128.25
1652003101	Connection	CN19	Telcordia Issue 1	Level I		1.00	0.001689	.0113	592012444.80
1654409103	Connection	CN20,CN21,CN22, CN23	Telcordia Issue 1	Level I		4.00	0.126687	3.3985	7893499.26
1653900036	Connection	CN24	Telcordia Issue 1	Level I		1.00	0.001126	.0076	888018667.20
1304451400	Semiconductor	D1	Telcordia Issue 1	Level I		1.00	0.004788	.0321	208850651.61
1111610194	Capacitor	EC1,EC11,EC12,EC13, EC14,EC16,EC17,EC2, EC25,EC26,EC27, EC28,EC3,EC4,EC5, EC6,EC8,EC9	Telcordia Issue 1	Level I		18.00	0.042229	5.0977	23680497.79
1112610190	Capacitor	EC10,EC19,EC20,EC7	Telcordia Issue 1	Level I		4.00	0.042229	1.1328	23680497.79
1119622110	Capacitor	EC15,EC30,EC34, EC35,EC37,EC38	Telcordia Issue 1	Level I		6.00	0.042229	1.6992	23680497.79
1189647193	Capacitor	EC18,EC32,EC36	Telcordia Issue 1	Level I		3.00	0.004518	.0909	221353427.43
1181647110	Capacitor	EC21,EC22,EC29, EC31,EC33,EC39, EC40	Telcordia Issue 1	Level I		7.00	0.004518	.2121	221353427.43

