

AEC-6850

Reliability Prediction Report

(MTBF)

Report NO : 05P070014

11-15-2005

Issue Date

Wenyuan Yang

Manager

Liping Hsieh

Test Engineer

Reliability Prediction (MTBF)

I . **Model Name:** AEC-6850

II . **Prediction Date:** Nov.15,2005

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

IV . **Predicted by:** Liping Hsieh

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

VI. Simulation Environment:

- Temperature: 25 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.

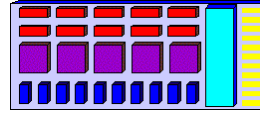
VIII. Prediction Result:

Failure Rate: 16.496613 ppm

MTBF: 60,619 Hours

AAEON Reliability Prediction Report

Part Number AEC-6850
Reference Des
Date 11. 11, 2005
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00

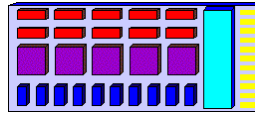


Description Top-level assembly
File Name AEC-6850-A1.RPJ
Time 5:43 下午
Failure Rate 16.496613
MTBF 60,619

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
AEC-6850	AEC-6850	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	16.496613	60,619
E103	9697A10302	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	1.562654	639,937
T022	9697T02204	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	1.891235	528,755
GENE-8310	969783100K	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	13.042723	76,671

AAEON Reliability Prediction Report

Part Number 9697A10302
Reference Des
Date 11. 11, 2005
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00

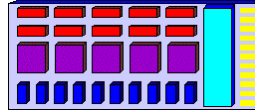


Description
File Name AEC-6850-A1.RPJ
Time 5:43 下午
Failure Rate 1.562654
MTBF 639,937

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1111615212	Capacitor	C32,CE2	Bellcore Issue 6	Level I		0.071121	2.00	9.1026	0.142243	14060484.33
1181618110	Capacitor	C29,CE3	Bellcore Issue 6	Level I		0.042673	2.00	5.4616	0.085346	23434140.55
1189639190	Capacitor	CE1	Bellcore Issue 6	Level I		0.042673	1.00	2.7308	0.042673	23434140.55
1300582200	Semiconductor	D1	Bellcore Issue 6	Level I		0.023881	1.00	1.5282	0.023881	41874327.58
1211103301	Inductor	L3	Bellcore Issue 6	Level I		0.086173	1.00	5.5145	0.086173	11604581.32
1656304022	Connection	JP1	Bellcore Issue 6	Level I		0.002276	1.00	.1456	0.002276	439390135.35
1655305020	Connection	J1	Bellcore Issue 6	Level I		0.002845	1.00	.1821	0.002845	351512108.28
1655103010	Connection	SW1	Bellcore Issue 6	Level I		0.001707	1.00	.1092	0.001707	585853513.81
1653002101	Connection	JP7	Bellcore Issue 6	Level I		0.001138	1.00	.0728	0.001138	878780270.71
1654604302	Connection	JP6	Bellcore Issue 6	Level I		0.002276	1.00	.1456	0.002276	439390135.35
1653003101	Connection	JP3~JP5	Bellcore Issue 6	Level I		0.001707	3.00	.3277	0.005121	585853513.81
1655004011	Connection	JP2	Bellcore Issue 6	Level I		0.002276	1.00	.1456	0.002276	439390135.35
1211100300	Inductor	L1,L2	Bellcore Issue 6	Level I		0.086173	2.00	11.0290	0.172346	11604581.32
14S2512400	Integrated Circuit	U1	Bellcore Issue 6	Level I		0.059366	1.00	3.7990	0.059366	16844654.92
1314257610	Semiconductor	U2	Bellcore Issue 6	Level I		0.047762	1.00	3.0565	0.047762	20937163.79
1124701680	Capacitor	C1~C2,C10,C12,C14,C15,C17,C26~C30,C33,C34,C36~C38,C40,C5~C8,C20,C3	Bellcore Issue 6	Level I		0.004535	19.00	5.5145	0.086173	220487045.01
1124556280	Capacitor	C11,C13,C18,C19,C35,C39,C4,C9	Bellcore Issue 6	Level I		0.004535	2.00	.5805	0.009071	220487045.01
1121610060	Capacitor	C16,C22	Bellcore Issue 6	Level I		0.004535	8.00	2.3219	0.036283	220487045.01
1124510280	Capacitor	C21,C28	Bellcore Issue 6	Level I		0.004535	2.00	.5805	0.009071	220487045.01
1124522881	Capacitor	C23,C24,C27	Bellcore Issue 6	Level I		0.004535	3.00	.8707	0.013606	220487045.01
1124447080	Capacitor	C25	Bellcore Issue 6	Level I		0.004535	1.00	.2902	0.004535	220487045.01
1050700002	Resistor	FS1	Bellcore Issue 6	Level I		0.002268	1.00	.1451	0.002268	440974090.03
1315700212	Semiconductor	Q6	Bellcore Issue 6	Level I	62.50	0.351383	1.00	22.4863	0.351383	2845901.30
1315567010	Semiconductor	Q1,Q4	Bellcore Issue 6	Level I		0.079603	2.00	10.1882	0.159207	12562298.27
105A700103	Resistor	R1,R5	Bellcore Issue 6	Level I		0.002268	2.00	.2902	0.004535	440974090.03
105A701533	Resistor	R3	Bellcore Issue 6	Level I		0.002268	1.00	.1451	0.002268	440974090.03
105A501033	Resistor	R14,R20,R6	Bellcore Issue 6	Level I		0.002268	3.00	.4354	0.006803	440974090.03
105A549963	Resistor	R15,R9	Bellcore Issue 6	Level I		0.002268	2.00	.2902	0.004535	440974090.03
105A500233	Resistor	R12	Bellcore Issue 6	Level I		0.002268	1.00	.1451	0.002268	440974090.03

AAEON Reliability Prediction Report

Part Number 9697T02204
Reference Des
Date 11. 11, 2005
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00

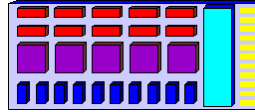


Description
File Name AEC-6850-A1.RPJ
Time 5:43 下午
Failure Rate 1.891235
MTBF 528,755

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1653022205	Connection	CN5	Bellcore Issue 6	Level I		0.025035	1.00	1.3237	0.025035	39944557.76
1653005227	Connection	CN12,CN13,CN3,CN6	Bellcore Issue 6	Level I		0.005690	4.00	1.2034	0.022759	175756054.14
1653022223	Connection	CN4	Bellcore Issue 6	Level I		0.025035	1.00	1.3237	0.025035	39944557.76
1653004302	Connection	JP1	Bellcore Issue 6	Level I		0.006828	1.00	.3610	0.006828	146463378.45
1601123600	Switching Device	S1	Bellcore Issue 6	Level I		0.056897	1.00	3.0085	0.056897	17575605.41
1654609301	Connection	CN11	Bellcore Issue 6	Level I		0.005121	1.00	.2708	0.005121	195284504.60
1655004011	Connection	USB2	Bellcore Issue 6	Level I		0.002276	1.00	.1203	0.002276	439390135.35
1652505207	Connection	J1	Bellcore Issue 6	Level I		0.002845	1.00	.1504	0.002845	351512108.28
1653003101	Connection	JP9	Bellcore Issue 6	Level I		0.001707	1.00	.0903	0.001707	585853513.81
1653004224	Connection	CN8	Bellcore Issue 6	Level I		0.004552	1.00	.2407	0.004552	219695067.68
1653002101	Connection	J2	Bellcore Issue 6	Level I		0.001138	1.00	.0602	0.001138	878780270.71
12311120A1	Miscellaneous	Y1	Bellcore Issue 6	Level I		0.150000	1.00	7.9313	0.150000	6666666.67
1653007223	Connection	CN7	Bellcore Issue 6	Level I		0.007966	1.00	.4212	0.007966	125540038.67
1653003201	Connection	JP2,JP3	Bellcore Issue 6	Level I		0.003414	2.00	.3610	0.006828	292926756.90
1654808300	Connection	USB1	Bellcore Issue 6	Level I		0.004552	1.00	.2407	0.004552	219695067.68
1654604300	Connection	CN10	Bellcore Issue 6	Level I		0.002276	1.00	.1203	0.002276	439390135.35
1654430301	Connection	CN15	Bellcore Issue 6	Level I		0.017069	1.00	.9025	0.017069	58585351.38
1304451400	Semiconductor	D3	Bellcore Issue 6	Level I		0.004877	1.00	.2578	0.004877	205063180.81
1653010222	Connection	CN1	Bellcore Issue 6	Level I		0.011379	1.00	.6017	0.011379	87878027.07
1654409103	Connection	COM2	Bellcore Issue 6	Level I		0.005121	1.00	.2708	0.005121	195284504.60
1653003222	Connection	JP10,JP4,JP5*2,JP6	Bellcore Issue 6	Level I		0.003414	5.00	.9025	0.017069	292926756.90
1655302020	Connection	CN2	Bellcore Issue 6	Level I		0.001138	1.00	.0602	0.001138	878780270.71
1651948991	Connection	U4	Bellcore Issue 6	Level I		0.027311	1.00	1.4441	0.027311	36615844.61
14S6334605	Integrated Circuit	U3	Bellcore Issue 6	Level I		0.022683	1.00	1.1994	0.022683	44086680.49
105A547003	Resistor	R3	Bellcore Issue 6	Level I		0.002268	1.00	.1199	0.002268	440974090.03
1653925216	Connection	CON1	Bellcore Issue 6	Level I		0.028449	1.00	1.5042	0.028449	35151210.83
105A710033	Resistor	R17,R30,R33,R34,R35	Bellcore Issue 6	Level I		0.002268	5.00	.5995	0.011339	440974090.03
105A751003	Resistor	R5	Bellcore Issue 6	Level I		0.002268	1.00	.1199	0.002268	440974090.03
105A700003	Resistor	R21,R22,R8	Bellcore Issue 6	Level I		0.002268	3.00	.3597	0.006803	440974090.03
105A700133	Resistor	R1	Bellcore Issue 6	Level I		0.002268	1.00	.1199	0.002268	440974090.03
105A733003	Resistor	R2	Bellcore Issue 6	Level I		0.002268	1.00	.1199	0.002268	440974090.03

AAEON Reliability Prediction Report

Part Number 969783100K
Reference Des
Date 11. 11, 2005
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00

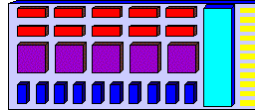


Description
File Name AEC-6850-A1.RPJ
Time 5:43 下午
Failure Rate 13.042723
MTBF 76,671

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1656304022	Connection	CN9	Bellcore Issue 6	Level I		0.002276	1.00	.0174	0.002276	439390135.35
1169615210	Capacitor	EC1	Bellcore Issue 6	Level I		0.005466	1.00	.0419	0.005466	182961702.19
1111610194	Capacitor	EC3,EC4	Bellcore Issue 6	Level I		0.027242	2.00	.4177	0.054484	36707972.85
1653003101	Connection	JP2	Bellcore Issue 6	Level I		0.001707	1.00	.0131	0.001707	585853513.81
1653003101	Connection	JP1	Bellcore Issue 6	Level I		0.001707	1.00	.0131	0.001707	585853513.81
1653003201	Connection	JP4,JP5	Bellcore Issue 6	Level I		0.003414	2.00	.0523	0.006828	292926756.90
1750119014	Miscellaneous	BAT1	Bellcore Issue 6	Level I		0.900000	1.00	6.9004	0.900000	1111111.11
1653022201	Connection	CN3	Bellcore Issue 6	Level I		0.025035	1.00	.1919	0.025035	39944557.76
1653013203	Connection	CN7	Bellcore Issue 6	Level I		0.014793	1.00	.1134	0.014793	67598482.36
1653007201	Connection	CN12	Bellcore Issue 6	Level I		0.007966	1.00	.0611	0.007966	125540038.67
1653006101	Connection	CN15	Bellcore Issue 6	Level I		0.003414	1.00	.0262	0.003414	292926756.90
1654606306	Connection	CN17	Bellcore Issue 6	Level I		0.003414	1.00	.0262	0.003414	292926756.90
1654409103	Connection	CN18	Bellcore Issue 6	Level I		0.005121	1.00	.0393	0.005121	195284504.60
1653004302	Connection	JP3	Bellcore Issue 6	Level I		0.006828	1.00	.0523	0.006828	146463378.45
1653900034	Connection	CFD1	Bellcore Issue 6	Level I		0.001138	1.00	.0087	0.001138	878780270.71
1655003023	Connection	CN16	Bellcore Issue 6	Level I		0.001707	1.00	.0131	0.001707	585853513.81
1654415305	Connection	CN19	Bellcore Issue 6	Level I		0.008535	1.00	.0654	0.008535	117170702.76
1655306020	Connection	CN14	Bellcore Issue 6	Level I		0.003414	1.00	.0262	0.003414	292926756.90
1652512206	Connection	CN13	Bellcore Issue 6	Level I		0.006828	1.00	.0523	0.006828	146463378.45
1213112008	Inductor	LP3	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
1301005442	Semiconductor	D14	Bellcore Issue 6	Level I		0.023881	1.00	.1831	0.023881	41874327.58
1212306030	Inductor	FB19,FB2,FB23-FB27,FB29,FB3,F-B30-FB32,FB34,FB36,FB39,FB4,F-B40,FB43,FB5	Bellcore Issue 6	Level I		0.002268	19.00	.3303	0.043086	440974090.03
1212306030	Inductor	FB6,FB7,FB9	Bellcore Issue 6	Level I		0.002268	3.00	.0522	0.006803	440974090.03
1212306035	Inductor	FB10-FB12,FB35,FB37,FB38,FB44-FB8	Bellcore Issue 6	Level I		0.002268	8.00	.1391	0.018142	440974090.03
121230603L	Inductor	FB28,FB45	Bellcore Issue 6	Level I		0.002268	2.00	.0348	0.004535	440974090.03
1213160008	Inductor	LP1,LP2,LP4,LP5	Bellcore Issue 6	Level I		0.002268	4.00	.0695	0.009071	440974090.03
14S4621800	Integrated Circuit	U47	Bellcore Issue 6	Level I		0.059366	1.00	.4552	0.059366	16844654.92
1211100102	Inductor	L7	Bellcore Issue 6	Level I		0.086173	1.00	.6607	0.086173	11604581.32
1211100160	Inductor	L8,L9	Bellcore Issue 6	Level I		0.086173	2.00	1.3214	0.172346	11604581.32

AAEON Reliability Prediction Report

Part Number 969783100K
Reference Des
Date 11. 11, 2005
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00

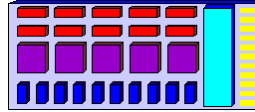


Description
File Name AEC-6850-A1.RPJ
Time 5:43 下午
Failure Rate 13.042723
MTBF 76,671

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1654262300	Connection	MPC11	Bellcore Issue 6	Level I		0.070552	1.00	.5409	0.070552	14173875.33
14S4048500	Integrated Circuit	U14,U15	Bellcore Issue 6	Level I		0.059366	2.00	.9103	0.118732	16844654.92
1653005202	Connection	CN1,CN2,CN4-CN6	Bellcore Issue 6	Level I		0.005690	5.00	.2181	0.028449	175756054.14
1653004202	Connection	CN10	Bellcore Issue 6	Level I		0.004552	1.00	.0349	0.004552	219695067.68
1653010203	Connection	CN11	Bellcore Issue 6	Level I		0.011379	1.00	.0872	0.011379	87878027.07
14S5900600	Integrated Circuit	U33	Bellcore Issue 6	Level I		0.070411	1.00	.5399	0.070411	14202225.56
14S4871201	Integrated Circuit	U35	Bellcore Issue 6	Level I		0.039296	1.00	.3013	0.039296	25448028.36
14S2705700	Integrated Circuit	U38	Bellcore Issue 6	Level I	14.80	0.166534	1.00	1.2768	0.166534	6004784.89
1315441012	Semiconductor	U39,U42	Bellcore Issue 6	Level I		0.079603	2.00	1.2207	0.159207	12562298.27
14S4700900	Integrated Circuit	U43	Bellcore Issue 6	Level I		0.039296	1.00	.3013	0.039296	25448028.36
1231332721	Miscellaneous	Y1	Bellcore Issue 6	Level I		0.150000	1.00	1.1501	0.150000	6666666.67
1231314350	Miscellaneous	Y2	Bellcore Issue 6	Level I		0.150000	1.00	1.1501	0.150000	6666666.67
1231324551	Miscellaneous	Y4	Bellcore Issue 6	Level I		0.150000	1.00	1.1501	0.150000	6666666.67
105A705609	Resistor	R110,R112,R114,R116,R121,R123- R125,R127,R131,R133,R18,R20,R- 23,R249,R26	Bellcore Issue 6	Level I		0.002268	15.00	.2608	0.034016	440974090.03
105A705609	Resistor	R253,R269,R272,R43,R45,R64,R65- R68,R70	Bellcore Issue 6	Level I		0.002268	9.00	.1565	0.020409	440974090.03
105A700003	Resistor	FB1,FB13,FB20-FB22,R135,R157,- R195,R203,R21,R254,R265,R28,R- 284,R407,R474	Bellcore Issue 6	Level I		0.002268	16.00	.2782	0.036283	440974090.03
105A500233	Resistor	R155,R229,R29	Bellcore Issue 6	Level I		0.002268	3.00	.0522	0.006803	440974090.03
105A503309	Resistor	R100-R104,R32-R34,R36-R41,R96- R99	Bellcore Issue 6	Level I		0.002268	18.00	.3130	0.040819	440974090.03
105A513003	Resistor	R48	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
105A704729	Resistor	R117,R128,R129,R162,R174,R220- R264,R294,R307,R325,R332,R427- R137,R51	Bellcore Issue 6	Level I		0.002268	14.00	.2434	0.031748	440974090.03
105A704729	Resistor	R53,R56-R57,R72	Bellcore Issue 6	Level I		0.002268	5.00	.0869	0.011339	440974090.03
105A703309	Resistor	R145-R147,R149,R153,R154,R169- R205,R206,R221,R226,R349,R350- R436,R55	Bellcore Issue 6	Level I		0.002268	15.00	.2608	0.034016	440974090.03
105A703309	Resistor	R71,R88	Bellcore Issue 6	Level I		0.002268	2.00	.0348	0.004535	440974090.03
105A568163	Resistor	R61	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
105A506823	Resistor	R463,R75,R77	Bellcore Issue 6	Level I		0.002268	3.00	.0522	0.006803	440974090.03

AAEON Reliability Prediction Report

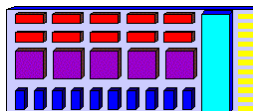
Part Number 969783100K
Reference Des
Date 11. 11, 2005
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00



Description
File Name AEC-6850-A1.RPJ
Time 5:43 下午
Failure Rate 13.042723
MTBF 76,671

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A701003	Resistor	R180,R212,R292,R360,R452	Bellcore Issue 6	Level I		0.002268	5.00	.0869	0.011339	440974090.03
105A705133	Resistor	R434,R87	Bellcore Issue 6	Level I		0.002268	2.00	.0348	0.004535	440974090.03
105A502423	Resistor	R134,R290	Bellcore Issue 6	Level I		0.002268	2.00	.0348	0.004535	440974090.03
105A702229	Resistor	R136,R183,R184,R370,R375,R376- R387-R390,R401,R408,R411,R425- R426,R440	Bellcore Issue 6	Level I		0.002268	16.00	.2782	0.036283	440974090.03
1121701080	Capacitor	C111-C116,C122,C138,C139,C150- C151,C154,C183,C193,C216,C256- C272,C294	Bellcore Issue 6	Level I		0.002539	18.00	.3504	0.045702	393852661.82
1121701080	Capacitor	C385,C407,C416,C429,C450,C451- C456,C467	Bellcore Issue 6	Level I		0.002539	8.00	.1557	0.020312	393852661.82
1129422060	Capacitor	C101,C117,C6,C91	Bellcore Issue 6	Level I		0.002722	4.00	.0835	0.010889	367335960.60
1129610051	Capacitor	C10,C102,C119,C123,C129-C137,- C140,C141,C144,C159,C161-C164- C166,C174	Bellcore Issue 6	Level I		0.002722	23.00	.4801	0.062613	367335960.60
1129610051	Capacitor	C185,C192,C195,C208-C212,C229- C237,C246,C254,C303,C306,C310- C314-C317	Bellcore Issue 6	Level I		0.002722	19.00	.3966	0.051724	367335960.60
1129610051	Capacitor	C324,C325,C333,C334,C340,C341- C344,C349,C350,C362,C363,C377- C394,C414	Bellcore Issue 6	Level I		0.002722	14.00	.2922	0.038112	367335960.60
1129610051	Capacitor	C442,C447,C448,C460,C79,C83	Bellcore Issue 6	Level I		0.002722	6.00	.1252	0.016334	367335960.60
1121701790	Capacitor	C153,C169,C17,C176,C191,C204,- C205,C214,C228,C238,C31,C339,- C347,C390	Bellcore Issue 6	Level I		0.002539	14.00	.2725	0.035546	393852661.82
1121701790	Capacitor	C391,C412,C457	Bellcore Issue 6	Level I		0.002539	3.00	.0584	0.007617	393852661.82
105A500333	Resistor	R456	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
1129710390	Capacitor	C147,C149,C178,C181,C422,C430- C445,C446	Bellcore Issue 6	Level I		0.001060	8.00	.0650	0.008482	943198589.05
105A545323	Resistor	R466	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
1124433190	Capacitor	C267,C386,C417,C418	Bellcore Issue 6	Level I		0.001060	4.00	.0325	0.004241	943198589.05
1124556180	Capacitor	C464	Bellcore Issue 6	Level I		0.001060	1.00	.0081	0.001060	943198589.05
1129710090	Capacitor	C127,C152,C168,C275,C405,C415- C64	Bellcore Issue 6	Level I		0.001060	7.00	.0569	0.007422	943198589.05
1124427090	Capacitor	C106,C239,C247,C374,C403,C404- C409-C411,C413,C421,C435,C436	Bellcore Issue 6	Level I		0.001060	13.00	.1057	0.013783	943198589.05
1124410190	Capacitor	C108,C110,C121,C126,C360,C398- C399,C423	Bellcore Issue 6	Level I		0.001060	8.00	.0650	0.008482	943198589.05

AAEON Reliability Prediction Report



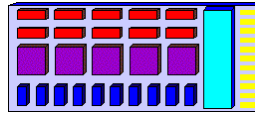
Part Number 969783100K
Reference Des
Date 11. 11, 2005
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00

Description
File Name AEC-6850-A1.RPJ
Time 5:43 下午
Failure Rate 13.042723
MTBF 76,671

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1122747880	Capacitor	C160	Bellcore Issue 6	Level I		0.001598	1.00	.0122	0.001598	625953979.55
1124518280	Capacitor	C461	Bellcore Issue 6	Level I		0.001060	1.00	.0081	0.001060	943198589.05
105A510033	Resistor	R454	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
1129747650	Capacitor	C352	Bellcore Issue 6	Level I		0.002722	1.00	.0209	0.002722	367335960.60
1129722091	Capacitor	C357,C358,C439,C441,C444	Bellcore Issue 6	Level I		0.001060	5.00	.0406	0.005301	943198589.05
1124568280	Capacitor	C383	Bellcore Issue 6	Level I		0.001060	1.00	.0081	0.001060	943198589.05
1124522880	Capacitor	C384	Bellcore Issue 6	Level I		0.001060	1.00	.0081	0.001060	943198589.05
105A501223	Resistor	R455	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
1129747090	Capacitor	C425-C427,C432-C434,C437,C438	Bellcore Issue 6	Level I		0.001060	8.00	.0650	0.008482	943198589.05
1211106870	Inductor	L10	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
1124522280	Capacitor	C462	Bellcore Issue 6	Level I		0.001060	1.00	.0081	0.001060	943198589.05
1315030110	Semiconductor	Q10,Q11,Q22,Q24,Q3,Q4,Q6,Q7	Bellcore Issue 6	Level I		0.079603	8.00	4.8826	0.636826	12562298.27
1310390411	Semiconductor	Q12,Q13,Q20,Q25	Bellcore Issue 6	Level I		0.023881	4.00	.7324	0.095524	41874327.58
1540782282	Resistor	RP45-RP53,RP56-RP60	Bellcore Issue 6	Level I		0.006246	14.00	.6704	0.087444	160102772.00
105A700009	Resistor	R186,R216,R311,R327,R328,R393- R395,R419,R438,R451,R464,R465- R471,R475	Bellcore Issue 6	Level I		0.002268	14.00	.2434	0.031748	440974090.03
105A700009	Resistor	R5,R50,R6,R7,R74	Bellcore Issue 6	Level I		0.002268	5.00	.0869	0.011339	440974090.03
105A540263	Resistor	R245,R410	Bellcore Issue 6	Level I		0.002268	2.00	.0348	0.004535	440974090.03
1121722650	Capacitor	C1	Bellcore Issue 6	Level I		0.002539	1.00	.0195	0.002539	393852661.82
105A571533	Resistor	R179	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
105A747033	Resistor	R188,R225	Bellcore Issue 6	Level I		0.002268	2.00	.0348	0.004535	440974090.03
105A547523	Resistor	R201	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
105A510513	Resistor	R470	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
105A501133	Resistor	R213	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
105A548703	Resistor	R231	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
105A706203	Resistor	R237	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
105A578703	Resistor	R268	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
105A547503	Resistor	R285	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
105A549969	Resistor	R295,R301-R306,R321,R342	Bellcore Issue 6	Level I		0.002268	9.00	.1565	0.020409	440974090.03
105A560403	Resistor	R330,R340	Bellcore Issue 6	Level I		0.002268	2.00	.0348	0.004535	440974090.03
105A517423	Resistor	R345	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03

AAEON Reliability Prediction Report

Part Number 969783100K
Reference Des
Date 11. 11, 2005
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00

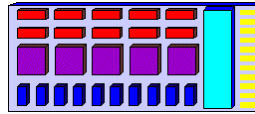


Description
File Name AEC-6850-A1.RPJ
Time 5:43 下午
Failure Rate 13.042723
MTBF 76,671

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A516513	Resistor	R361	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
105A501523	Resistor	R366	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
105A554903	Resistor	R386	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
1759100006	Miscellaneous	SP1	Bellcore Issue 6	Level I		0.150000	1.00	1.1501	0.150000	6666666.67
1189922180	Capacitor	TC10-TC11,TC13,TC15	Bellcore Issue 6	Level I		0.004535	4.00	.1391	0.018142	220487045.01
1189922180	Capacitor	TC8	Bellcore Issue 6	Level I	20.90	0.006650	1.00	.0510	0.006650	150375876.54
1189922180	Capacitor	TC12	Bellcore Issue 6	Level I	19.10	0.006447	1.00	.0494	0.006447	155106605.51
14S3065500	Integrated Circuit	U16	Bellcore Issue 6	Level I	15.30	0.172146	1.00	1.3199	0.172146	5809016.07
14S5A01400	Integrated Circuit	U17,U18	Bellcore Issue 6	Level I		0.059366	2.00	.9103	0.118732	16844654.92
1315776010	Semiconductor	U19	Bellcore Issue 6	Level I	21.70	0.142362	1.00	1.0915	0.142362	7024322.66
1315776010	Semiconductor	U23	Bellcore Issue 6	Level I		0.079603	1.00	.6103	0.079603	12562298.27
1315776010	Semiconductor	U20	Bellcore Issue 6	Level I	16.50	0.124759	1.00	.9565	0.124759	8015468.21
1315776010	Semiconductor	U29	Bellcore Issue 6	Level I	16.20	0.123796	1.00	.9492	0.123796	8077816.03
14S4148500	Integrated Circuit	U21	Bellcore Issue 6	Level I	16.60	0.187547	1.00	1.4379	0.187547	5331999.00
14S6334610	Integrated Circuit	U24	Bellcore Issue 6	Level I		0.030598	1.00	.2346	0.030598	32681842.61
1315668011	Semiconductor	U25	Bellcore Issue 6	Level I	25.50	0.156358	1.00	1.1988	0.156358	6395565.68
1315668011	Semiconductor	U26	Bellcore Issue 6	Level I	26.60	0.160595	1.00	1.2313	0.160595	6226843.91
1301053040	Semiconductor	D10,D16,D17,D2,D24,D4,D9	Bellcore Issue 6	Level I		0.023881	7.00	1.2817	0.167167	41874327.58
1315700212	Semiconductor	Q16-Q19,Q2,Q26-Q28,Q8,Q9	Bellcore Issue 6	Level I		0.079603	10.00	6.1033	0.796033	12562298.27
1311390610	Semiconductor	Q5	Bellcore Issue 6	Level I		0.023881	1.00	.1831	0.023881	41874327.58
1540710084	Resistor	RP1,RP11,RP13,RP15,RP17,RP19- RP20,RP23,RP26,RP29,RP3,RP31- RP33,RP35	Bellcore Issue 6	Level I		0.006246	14.00	.6704	0.087444	160102772.00
1540710084	Resistor	RP37,RP39,RP41,RP43,RP5,RP7,- RP9	Bellcore Issue 6	Level I		0.006246	7.00	.3352	0.043722	160102772.00
1540756081	Resistor	RP10,RP12,RP14,RP16,RP18,RP2- RP21,RP22,RP24,RP25,RP27,RP- 28,RP30,RP32	Bellcore Issue 6	Level I		0.006246	14.00	.6704	0.087444	160102772.00
1540756081	Resistor	RP34,RP36,RP38,RP4,RP40,RP42- RP44,RP6,RP8	Bellcore Issue 6	Level I		0.006246	9.00	.4310	0.056214	160102772.00
1540722085	Resistor	RP54,RP55	Bellcore Issue 6	Level I		0.006246	2.00	.0958	0.012492	160102772.00
105A510009	Resistor	R10,R11,R118,R12,R139,R141,R2- 82,R296,R3,R322,R341,R384,R394- R4	Bellcore Issue 6	Level I		0.002268	14.00	.2434	0.031748	440974090.03

AAEON Reliability Prediction Report

Part Number 969783100K
Reference Des
Date 11. 11, 2005
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00

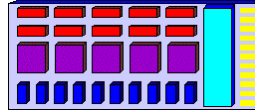


Description
File Name AEC-6850-A1.RPJ
Time 5:43 下午
Failure Rate 13.042723
MTBF 76,671

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A710039	Resistor	R148,R159,R200,R348,R351,R373- R398-R400,R404,R409,R412-R414- R442	Bellcore Issue 6	Level I		0.002268	15.00	.2608	0.034016	440974090.03
105A708229	Resistor	R15,R163,R164,R167,R172,R173,- R176,R182,R187,R192,R309,R310- R378	Bellcore Issue 6	Level I		0.002268	13.00	.2260	0.029480	440974090.03
105A708229	Resistor	R46	Bellcore Issue 6	Level I	14.90	0.002995	1.00	.0230	0.002995	333926111.34
105A708229	Resistor	R47,R52,R9	Bellcore Issue 6	Level I		0.002268	3.00	.0522	0.006803	440974090.03
105A701009	Resistor	R109,R111,R113,R115,R120,R122- R124,R126,R130,R132,R17,R19,R- 22,R25,R358	Bellcore Issue 6	Level I		0.002268	15.00	.2608	0.034016	440974090.03
105A701009	Resistor	R42,R44,R63,R67,R80,R81	Bellcore Issue 6	Level I		0.002268	6.00	.1043	0.013606	440974090.03
1653925216	Connection	CFD1	Bellcore Issue 6	Level I		0.028449	1.00	.2181	0.028449	35151210.83
1214309000	Inductor	CH1-CH4	Bellcore Issue 6	Level I		0.002268	4.00	.0695	0.009071	440974090.03
1654030000	Connection	CN8	Bellcore Issue 6	Level I		0.017069	1.00	.1309	0.017069	58585351.38
1174522180	Capacitor	CP1-CP5	Bellcore Issue 6	Level I		0.001060	5.00	.0406	0.005301	943198589.05
1129701690	Capacitor	C100,C103-C105,C107,C109,C11,- C12,C120,C124,C125,C128,C13,- C14,C142,C145	Bellcore Issue 6	Level I		0.002539	16.00	.3115	0.040624	393852661.82
1129701690	Capacitor	C146,C148,C15,C156,C157,C16,- C165,C167,C170,C171,C173,C175,- C177,C179	Bellcore Issue 6	Level I		0.002539	14.00	.2725	0.035546	393852661.82
1129701690	Capacitor	C18,C180,C184,C186-C189,C19,- C190,C194,C196,C199,C2,C200-C2- 03,C206,C207	Bellcore Issue 6	Level I		0.002539	19.00	.3699	0.048241	393852661.82
1129701690	Capacitor	C21,C213,C215,C217,C219,C220,- C222,C223,C225-C227,C240-C244- C248,C249	Bellcore Issue 6	Level I		0.002539	18.00	.3504	0.045702	393852661.82
1129701690	Capacitor	C25,C250-C253,C255,C257-C259,- C26,C260-C262,C266,C268,C269,- C27,C270	Bellcore Issue 6	Level I		0.002539	18.00	.3504	0.045702	393852661.82
1129701690	Capacitor	C271,C273,C274,C276,C277-C279- C28,C280,C282-C293,C29,C295-C- 299,C3,C30	Bellcore Issue 6	Level I		0.002539	29.00	.5645	0.073632	393852661.82
1129701690	Capacitor	C300-C302,C304,C305,C307,C309- C311-C313,C318,C319,C32,C320,- C323,C327	Bellcore Issue 6	Level I		0.002539	16.00	.3115	0.040624	393852661.82
1129701690	Capacitor	C328,C329,C33,C330-C332,C335,- C337,C338,C34,C342,C343,C345,- C346,C348	Bellcore Issue 6	Level I		0.002539	15.00	.2920	0.038085	393852661.82

AAEON Reliability Prediction Report

Part Number 969783100K
Reference Des
Date 11. 11, 2005
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00

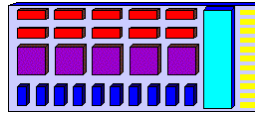


Description
File Name AEC-6850-A1.RPJ
Time 5:43 下午
Failure Rate 13.042723
MTBF 76,671

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1129701690	Capacitor	C351,C353-C356,C359,C36,C361,-C364-C367,C369-C373,C376,C378-C380-C382	Bellcore Issue 6	Level I		0.002539	22.00	.4283	0.055858	393852661.82
1129701690	Capacitor	C387-C389,C39,C392,C393,C395,-C397,C4,C400-C402,C408,C419,C-42,C420,C424	Bellcore Issue 6	Level I		0.002539	17.00	.3309	0.043163	393852661.82
1129701690	Capacitor	C428,C43,C431,C44,C449,C45,C4-52,C453,C455,C458,C459,C5,C52--C58,C61-C63	Bellcore Issue 6	Level I		0.002539	22.00	.4283	0.055858	393852661.82
1129701690	Capacitor	C65,C66,C69,C7,C70-C73,C75-C78-,C8,C80-C82,C84-C89,C9,C90,C92-C99	Bellcore Issue 6	Level I		0.002539	32.00	.6229	0.081249	393852661.82
1301003440	Semiconductor	D1	Bellcore Issue 6	Level I		0.023881	1.00	.1831	0.023881	41874327.58
1301005443	Semiconductor	D11,D15,D19,D20,D5,D6,D8	Bellcore Issue 6	Level I		0.023881	7.00	1.2817	0.167167	41874327.58
1301005441	Semiconductor	D18,D21,D22,D23	Bellcore Issue 6	Level I		0.023881	4.00	.7324	0.095524	41874327.58
121230603D	Inductor	FB14-FB18,FB33,FB41,FB42	Bellcore Issue 6	Level I		0.002268	8.00	.1391	0.018142	440974090.03
1651203291	Connection	FWH1	Bellcore Issue 6	Level I		0.018207	1.00	.1396	0.018207	54923766.92
1211103360	Inductor	L1	Bellcore Issue 6	Level I		0.086173	1.00	.6607	0.086173	11604581.32
1211103360	Inductor	L3	Bellcore Issue 6	Level I	13.10	0.110194	1.00	.8449	0.110194	9074888.00
1211103366	Inductor	L4	Bellcore Issue 6	Level I	15.50	0.115015	1.00	.8818	0.115015	8694493.76
1211103366	Inductor	L5-L6	Bellcore Issue 6	Level I		0.086173	2.00	1.3214	0.172346	11604581.32
14S4021310	Integrated Circuit	U36,U37	Bellcore Issue 6	Level I		0.059366	2.00	.9103	0.118732	16844654.92
14S2303700	Integrated Circuit	U40	Bellcore Issue 6	Level I		0.059366	1.00	.4552	0.059366	16844654.92
14S3020100	Integrated Circuit	U45	Bellcore Issue 6	Level I		0.059366	1.00	.4552	0.059366	16844654.92
1231325050	Miscellaneous	Y3	Bellcore Issue 6	Level I		0.150000	1.00	1.1501	0.150000	6666666.67
14S4070610	Integrated Circuit	U34	Bellcore Issue 6	Level I		0.059366	1.00	.4552	0.059366	16844654.92
105A700139	Resistor	R105,R106,R160,R161,R199,R204-,R234,R239,R242,R243,R246,R251-,R274,R278	Bellcore Issue 6	Level I		0.002268	14.00	.2434	0.031748	440974090.03
105A700139	Resistor	R280,R281,R286,R299,R30,R300,-R308,R320,R323-R324,R35,R369,-R371,R379	Bellcore Issue 6	Level I		0.002268	14.00	.2434	0.031748	440974090.03
105A700139	Resistor	R391,R422,R428,R432,R439,R473-,R69	Bellcore Issue 6	Level I		0.002268	7.00	.1217	0.015874	440974090.03
105A702263	Resistor	R165,R168,R210,R31,R335,R336,-R359,R405,R458,R459	Bellcore Issue 6	Level I		0.002268	10.00	.1739	0.022677	440974090.03
105A515009	Resistor	R232,R270,R271,R297,R337,R49	Bellcore Issue 6	Level I		0.002268	6.00	.1043	0.013606	440974090.03

AAEON Reliability Prediction Report

Part Number 969783100K
Reference Des
Date 11. 11, 2005
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00

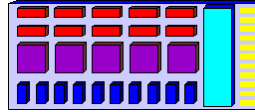


Description
File Name AEC-6850-A1.RPJ
Time 5:43 下午
Failure Rate 13.042723
MTBF 76,671

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A701039	Resistor	R175,R177,R189,R198,R214,R215-,R219,R223,R224,R230,R233,R238-,R275,R276	Bellcore Issue 6	Level I		0.002268	14.00	.2434	0.031748	440974090.03
105A701039	Resistor	R315,R318,R319,R382,R406,R420-,R448,R453,R472,R54,R62	Bellcore Issue 6	Level I		0.002268	11.00	.1913	0.024945	440974090.03
105A522663	Resistor	R59	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
105A503033	Resistor	R158,R76	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
105A561903	Resistor	R385	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
105A501039	Resistor	R13,R14,R197,R227,R256,R356,R-392,R415,R416,R460,R89-R94	Bellcore Issue 6	Level I		0.002268	16.00	.2782	0.036283	440974090.03
105A500133	Resistor	R137,R138,R156,R166,R362,R8	Bellcore Issue 6	Level I		0.002268	6.00	.1043	0.013606	440974090.03
14S3033800	Integrated Circuit	U28	Bellcore Issue 6	Level I		0.059366	1.00	.4552	0.059366	16844654.92
14S5A00700	Integrated Circuit	U32	Bellcore Issue 6	Level I		0.037889	1.00	.2905	0.037889	26392869.26
1315970110	Semiconductor	U2,U44,U46,U5	Bellcore Issue 6	Level I		0.159207	4.00	4.8826	0.636826	6281149.14
14S3260100	Integrated Circuit	U6	Bellcore Issue 6	Level I	14.10	0.158954	1.00	1.2187	0.158954	6291117.39
105A560463	Resistor	R143,R144	Bellcore Issue 6	Level I		0.002268	2.00	.0348	0.004535	440974090.03
105A507509	Resistor	R150-R152,R364,R381,R430,R431	Bellcore Issue 6	Level I		0.002268	7.00	.1217	0.015874	440974090.03
105A554963	Resistor	R178,R207,R266	Bellcore Issue 6	Level I		0.002268	3.00	.0522	0.006803	440974090.03
105A756033	Resistor	R181,R217	Bellcore Issue 6	Level I		0.002268	2.00	.0348	0.004535	440974090.03
105A527463	Resistor	R191,R222,R298,R329,R396,R447	Bellcore Issue 6	Level I		0.002268	6.00	.1043	0.013606	440974090.03
105A710053	Resistor	R193,R194,R273	Bellcore Issue 6	Level I		0.013606	3.00	.3130	0.040819	73495681.67
105A518223	Resistor	R202	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
105A507523	Resistor	R209	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
105A701053	Resistor	R211	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
106B501031	Resistor	R218,R352	Bellcore Issue 6	Level I		0.011379	2.00	.1745	0.022759	87878027.07
105A502033	Resistor	R208,R236	Bellcore Issue 6	Level I		0.002268	2.00	.0348	0.004535	440974090.03
105A530003	Resistor	R241	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
105A524303	Resistor	R142	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
105A549963	Resistor	R140	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
105A700103	Resistor	R338,R353,R354,R355,R365,R367-,R368,R372	Bellcore Issue 6	Level I		0.002268	8.00	.1391	0.018142	440974090.03
105A747003	Resistor	R263	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
105A705139	Resistor	R277	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03

AAEON Reliability Prediction Report

Part Number 969783100K
Reference Des
Date 11. 11, 2005
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00

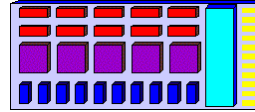


Description
File Name AEC-6850-A1.RPJ
Time 5:43 下午
Failure Rate 13.042723
MTBF 76,671

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
11E9610190	Capacitor	C326,C375,C454,C68,TC2,TC3	Bellcore Issue 6	Level I		0.045203	6.00	2.0795	0.271217	22122471.91
11E9610190	Capacitor	C155	Bellcore Issue 6	Level I	19.20	0.116014	1.00	.8895	0.116014	8619642.74
11E9610190	Capacitor	C198	Bellcore Issue 6	Level I	16.80	0.103770	1.00	.7956	0.103770	9636662.45
105A551113	Resistor	R291	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
105A530103	Resistor	R313,R334	Bellcore Issue 6	Level I		0.002268	2.00	.0348	0.004535	440974090.03
105A515003	Resistor	R331,R339	Bellcore Issue 6	Level I		0.002268	2.00	.0348	0.004535	440974090.03
150A568123	Resistor	R344,R346	Bellcore Issue 6	Level I		0.002268	2.00	.0348	0.004535	440974090.03
105A512033	Resistor	R347	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
105A514003	Resistor	R363	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
105A512703	Resistor	R374	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
105A512103	Resistor	R383	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
1315030210	Semiconductor	Q21,Q29,Q30	Bellcore Issue 6	Level I		0.079603	3.00	1.8310	0.238810	12562298.27
1189615190	Capacitor	TC1,TC14,TC16,TC5,TC6,TC9	Bellcore Issue 6	Level I		0.004933	6.00	.2269	0.029597	202722669.92
1189633181	Capacitor	TC17,TC4	Bellcore Issue 6	Level I		0.004933	2.00	.0756	0.009866	202722669.92
1315992601	Semiconductor	U1	Bellcore Issue 6	Level I	11.80	0.220614	1.00	1.6915	0.220614	4532805.71
1315992601	Semiconductor	U30	Bellcore Issue 6	Level I	21.20	0.281187	1.00	2.1559	0.281187	3556356.27
1315992601	Semiconductor	U41	Bellcore Issue 6	Level I		0.159207	1.00	1.2207	0.159207	6281149.14
14S4280106	Integrated Circuit	U3	Bellcore Issue 6	Level I	11.90	0.077000	1.00	.5904	0.077000	12987003.40
105A733009	Resistor	R1,R228,R240,R283,R293,R357,R-380,R418,R424,R433,R441,R443	Bellcore Issue 6	Level I		0.002268	12.00	.2086	0.027212	440974090.03
14S5A00820	Integrated Circuit	U7	Bellcore Issue 6	Level I		0.059366	1.00	.4552	0.059366	16844654.92
14S3128420	Integrated Circuit	U9	Bellcore Issue 6	Level I	9.90	0.119663	1.00	.9175	0.119663	8356824.45
14S3156500	Integrated Circuit	U10	Bellcore Issue 6	Level I	10.00	0.120485	1.00	.9238	0.120485	8299772.79
14S3156500	Integrated Circuit	U11	Bellcore Issue 6	Level I		0.059366	1.00	.4552	0.059366	16844654.92
14S4256200	Inductor	U13	Bellcore Issue 6	Level I	13.80	0.176190	1.00	1.3509	0.176190	5675706.47
1304101340	Semiconductor	D7	Bellcore Issue 6	Level I		0.004877	1.00	.0374	0.004877	205063180.81
14S2533100	Integrated Circuit	U22	Bellcore Issue 6	Level I	19.30	0.223575	1.00	1.7142	0.223575	4472772.10
105A554923	Resistor	R461	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
105A507533	Resistor	R467	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
105A520033	Resistor	R457	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
105A535713	Resistor	R468	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03

AAEON Reliability Prediction Report

Part Number 969783100K
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Environment GF, GU - Ground Fixed, Uncontrolled
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Description
File Name AEC-6850-A1.RPJ
Time 5:43 下午
Failure Rate 13.042723
MTBF 76,671

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
11C4515380	Inductor	C466	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
14S4285201	Integrated Circuit	U8	Bellcore Issue 6	Level I		0.039296	1.00	.3013	0.039296	25448028.36
16515A0995	Connection	DIMM1	Bellcore Issue 6	Level I		0.113794	1.00	.8725	0.113794	8787802.71
1211100860	Inductor	L2	Bellcore Issue 6	Level I	19.70	0.003257	1.00	.0250	0.003257	307014793.29
105A502833	Resistor	R196	Bellcore Issue 6	Level I		0.002268	1.00	.0174	0.002268	440974090.03
1315993311	Semiconductor	U12	Bellcore Issue 6	Level I	13.40	0.230153	1.00	1.7646	0.230153	4344941.54