

AEC-6860

Reliability Prediction Report

(MTBF)

Report NO : 07P070008

10-01-2007

Issue Date

Wenyuan Yang

Manager

Jessica Chou

Test Engineer

Reliability Prediction (MTBF)

I . **Model Name:** AEC-6860-A1

II . **Prediction Date:** Oct. 1st, 2007

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

IV . **Predicted by:** Jessica Chou

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

VI. Simulation Environment:

- Temperature: 25.6 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:

AEC-6860-A1 :

Failure Rate: 17.828714 ppm

MTBF: 56,089 Hours

- Turbo Industrial CF Card for 8GB
MTBF: 1,000,000 Hours
- GIGABYTE DOC: 9UWIAG020R-00-110
MTBF : 2055166.2231 Hours

AAEON Reliability Prediction Report

Part Number AEC-6860-A1
Reference Des
Date 10. 1, 2007
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.60



Description Top-level assembly
File Name AEC-6860-A1.RPJ
Time 2:03 PM
Failure Rate 17.828714
MTBF 56,089

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
AEC-6860-A1	AEC-6860-A1	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	17.828714	56,089
ASS'Y KIT	9741686000	Bellcore	Method I Case 3	GF, GU - Ground Fixed,		1.00	17.828714	56,089
I/O Board	9697T06806	Bellcore	Method I Case 3	GF, GU - Ground Fixed,		1.00	4.548848	219,836
ASS'Y Board	9697931006	Bellcore	Method I Case 3	GF, GU - Ground Fixed,		1.00	13.221432	75,635

AAEON Reliability Prediction Report

Part Number 9697T06806
Reference Des
Date 10. 1, 2007
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.60



Description
File Name AEC-6860-A1.RPJ
Time 2:03 PM
Failure Rate 4.548848
MTBF 219,836

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1112610190	Capacitor	EC7,EC9	Bellcore Issue 6	Level I		0.005487	2.00	.2412	0.010974	182247502.99
1601123600	Connection	RESET1	Bellcore Issue 6	Level I		0.002348	1.00	.0516	0.002348	425854713.97
1653003201	Connection	JP3	Bellcore Issue 6	Level I		0.003522	1.00	.0774	0.003522	283903142.65
1653300102	Connection	JP3(5-6)	Bellcore Issue 6	Level I		0.001174	1.00	.0258	0.001174	851709427.94
1654409103	Connection	COM2-COM4	Bellcore Issue 6	Level I		0.005283	3.00	.3485	0.015850	189268761.76
1654604300	Connection	J2	Bellcore Issue 6	Level I		0.002348	1.00	.0516	0.002348	425854713.97
1654609300	Connection	CN8	Bellcore Issue 6	Level I		0.005283	1.00	.1162	0.005283	189268761.76
1652002100	Connection	CN15	Bellcore Issue 6	Level I		0.001174	1.00	.0258	0.001174	851709427.94
1653022205	Connection	CN2	Bellcore Issue 6	Level I		0.025830	1.00	.5678	0.025830	38714064.91
1654430301	Connection	CN10	Bellcore Issue 6	Level I		0.017612	1.00	.3872	0.017612	56780628.53
1652003101	Connection	CN16	Bellcore Issue 6	Level I		0.001761	1.00	.0387	0.001761	567806285.29
1653003222	Connection	CN11,CN18,CN3	Bellcore Issue 6	Level I		0.003522	3.00	.2323	0.010567	283903142.65
1653005227	Connection	CN4,CN6	Bellcore Issue 6	Level I		0.005871	2.00	.2581	0.011741	170341885.59
1653007223	Connection	CN7	Bellcore Issue 6	Level I		0.008219	1.00	.1807	0.008219	121672775.42
1653022223	Connection	CN1	Bellcore Issue 6	Level I		0.025830	1.00	.5678	0.025830	38714064.91
1653004224	Connection	CN5	Bellcore Issue 6	Level I		0.004696	1.00	.1032	0.004696	212927356.99
1181647110	Capacitor	EC1,EC2	Bellcore Issue 6	Level I		0.004589	2.00	.2018	0.009178	217915067.83
1653918231	Connection	CN12	Bellcore Issue 6	Level I		0.021134	1.00	.4646	0.021134	47317190.44
1189618090	Capacitor	EC4,EC5	Bellcore Issue 6	Level I		0.004589	2.00	.2018	0.009178	217915067.83
1655104005	Connection	CN14	Bellcore Issue 6	Level I		0.002348	1.00	.0516	0.002348	425854713.97
105A700003	Resistor	FB14,FB3,FB4,L1,L12,L13,L2,L3,L3-1,L4,L5,R119,R120,R122	Bellcore Issue 6	Level I		0.002294	14.00	.7062	0.032123	435830135.66
105A701003	Resistor	R109	Bellcore Issue 6	Level I		0.002294	1.00	.0504	0.002294	435830135.66
105A733003	Resistor	R1,R126	Bellcore Issue 6	Level I		0.002294	2.00	.1009	0.004589	435830135.66
1050700002	Resistor	R127,R131,R134	Bellcore Issue 6	Level I		0.002294	3.00	.1513	0.006883	435830135.66
1059700001	Resistor	R133	Bellcore Issue 6	Level I		0.002294	1.00	.0504	0.002294	435830135.66
105A501223	Resistor	R25	Bellcore Issue 6	Level I		0.002294	1.00	.0504	0.002294	435830135.66
105A510003	Resistor	R135	Bellcore Issue 6	Level I		0.002294	1.00	.0504	0.002294	435830135.66
105A510703	Resistor	R78	Bellcore Issue 6	Level I		0.002294	1.00	.0504	0.002294	435830135.66
105A512413	Resistor	R121,R123	Bellcore Issue 6	Level I		0.002294	2.00	.1009	0.004589	435830135.66
105A524913	Resistor	R112	Bellcore Issue 6	Level I		0.002294	1.00	.0504	0.002294	435830135.66

AAEON Reliability Prediction Report

Part Number 9697T06806
Reference Des
Date 10. 1, 2007
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.60



Description
File Name AEC-6860-A1.RPJ
Time 2:03 PM
Failure Rate 4.548848
MTBF 219,836

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A705133	Resistor	R70,R71	Bellcore Issue 6	Level I		0.002294	2.00	.1009	0.004589	435830135.66
1212308054	Inductor	L16-L22,L30,L32,L33	Bellcore Issue 6	Level I		0.002294	10.00	.5044	0.022945	435830135.66
1212308054	Inductor	L15	Bellcore Issue 6	Level I		0.002478	1.00	.0545	0.002478	403516779.77
1212308054	Inductor	L14	Bellcore Issue 6	Level I		0.003102	1.00	.0682	0.003102	322337302.21
1124422080	Capacitor	C48	Bellcore Issue 6	Level I		0.004589	1.00	.1009	0.004589	217915067.83
1124510080	Capacitor	C22,C23	Bellcore Issue 6	Level I		0.004589	2.00	.2018	0.009178	217915067.83
1540710080	Resistor	RN1-RN4	Bellcore Issue 6	Level I		0.006419	4.00	.5645	0.025677	155778892.99
1174510180	Capacitor	CP1-CP4	Bellcore Issue 6	Level I		0.005487	4.00	.4825	0.021948	182247502.99
1301005441	Semiconductor	D2	Bellcore Issue 6	Level I		0.024296	1.00	.5341	0.024296	41159868.85
1310390410	Semiconductor	Q3,Q4	Bellcore Issue 6	Level I		0.024296	2.00	1.0682	0.048591	41159868.85
1301005442	Semiconductor	D1,D5	Bellcore Issue 6	Level I		0.024296	2.00	1.0682	0.048591	41159868.85
1212306033	Inductor	FB10-FB13,FB15,FB16,FB6-FB9	Bellcore Issue 6	Level I		0.002294	10.00	.5044	0.022945	435830135.66
14S4021310	Integrated Circuit	U6,U7	Bellcore Issue 6	Level I		0.062024	2.00	2.7270	0.124049	16122698.68
1315700211	Semiconductor	Q6,Q7	Bellcore Issue 6	Level I		0.080985	2.00	3.5607	0.161970	12347960.65
105A530003	Resistor	R136	Bellcore Issue 6	Level I		0.002294	1.00	.0504	0.002294	435830135.66
1121547661	Capacitor	C142,C143	Bellcore Issue 6	Level I		0.004589	2.00	.2018	0.009178	217915067.83
105A524303	Resistor	R76	Bellcore Issue 6	Level I		0.002294	1.00	.0504	0.002294	435830135.66
1124418080	Capacitor	C71,C72	Bellcore Issue 6	Level I		0.004589	2.00	.2018	0.009178	217915067.83
105A510053	Resistor	R74	Bellcore Issue 6	Level I		0.013767	1.00	.3026	0.013767	72638355.94
105A708229	Resistor	R18,R19	Bellcore Issue 6	Level I		0.002294	2.00	.1009	0.004589	435830135.66
105A700139	Resistor	R29,R30,R72,R73	Bellcore Issue 6	Level I		0.002294	4.00	.2018	0.009178	435830135.66
105A704729	Resistor	R113,R118,R3,R4,R64,R65,R68,R-77	Bellcore Issue 6	Level I		0.002294	8.00	.4035	0.018356	435830135.66
105A700009	Resistor	R10,R11,R116,R117,R12-R15,R17-R20-R23,R5,R6,R8	Bellcore Issue 6	Level I		0.002294	16.00	.8071	0.036712	435830135.66
105A701039	Resistor	R16,R26-R28,R31,R32	Bellcore Issue 6	Level I		0.002294	6.00	.3026	0.013767	435830135.66
1129701790	Capacitor	C146,C147,C60-C63,C65-C68	Bellcore Issue 6	Level I		0.004589	10.00	1.0088	0.045889	217915067.83
1174547180	Capacitor	NC1,NC2	Bellcore Issue 6	Level I		0.005487	2.00	.2412	0.010974	182247502.99
1315030110	Semiconductor	Q1,Q2	Bellcore Issue 6	Level I		0.080985	2.00	3.5607	0.161970	12347960.65
1759100006	Miscellaneous	BZ2	Bellcore Issue 6	Level I		0.150000	1.00	3.2975	0.150000	6666666.67
1121610060	Capacitor	C155,C156,C162	Bellcore Issue 6	Level I		0.004589	3.00	.3026	0.013767	217915067.83
105A710039	Resistor	R7,R9	Bellcore Issue 6	Level I		0.002294	2.00	.1009	0.004589	435830135.66

AAEON Reliability Prediction Report

Part Number 9697T06806
Reference Des
Date 10. 1, 2007
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.60



Description
File Name AEC-6860-A1.RPJ
Time 2:03 PM
Failure Rate 4.548848
MTBF 219,836

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
121230603H	Inductor	FB17-FB26,FB28,FB29	Bellcore Issue 6	Level I		0.002294	12.00	.6053	0.027534	435830135.66
1124522290	Capacitor	C144	Bellcore Issue 6	Level I		0.004589	1.00	.1009	0.004589	217915067.83
105A502039	Resistor	R114	Bellcore Issue 6	Level I		0.002294	1.00	.0504	0.002294	435830135.66
1121722090	Capacitor	C153	Bellcore Issue 6	Level I		0.004589	1.00	.1009	0.004589	217915067.83
1301003240	Semiconductor	D6	Bellcore Issue 6	Level I		0.024296	1.00	.5341	0.024296	41159868.85
105A534823	Resistor	R111	Bellcore Issue 6	Level I		0.002294	1.00	.0504	0.002294	435830135.66
1301003440	Semiconductor	D7	Bellcore Issue 6	Level I		0.024296	1.00	.5341	0.024296	41159868.85
121230603S	Inductor	L45,L6	Bellcore Issue 6	Level I		0.002294	2.00	.1009	0.004589	435830135.66
14S4730701	Integrated Circuit	U2	Bellcore Issue 6	Level I		0.040704	1.00	.8948	0.040704	24567823.94
1315301111	Semiconductor	Q10,Q11,Q9	Bellcore Issue 6	Level I		0.080985	3.00	5.3410	0.242955	12347960.65
1315301111	Semiconductor	Q8	Bellcore Issue 6	Level I	32.10	0.185660	1.00	4.0815	0.185660	5386188.96
1121501690	Capacitor	C10,C101-C104,C106,C108,C109,- C13,C14,C140,C152,C16-C18,C20- C21,C46,C47	Bellcore Issue 6	Level I		0.004589	19.00	1.9167	0.087190	217915067.83
1121501690	Capacitor	C50-C59,C64,C69,C70,C75-C79,C8- C81-C84,C86,C88,C88,C9,C90,C91,C9- 3-C96,C98,C99	Bellcore Issue 6	Level I		0.004589	34.00	3.4300	0.156024	217915067.83
1231325058	Miscellaneous	Y3	Bellcore Issue 6	Level I		0.150000	1.00	3.2975	0.150000	6666666.67
118961018A	Capacitor	TC2,TC3,TC5	Bellcore Issue 6	Level I		0.004589	3.00	.3026	0.013767	217915067.83
14S4121601	Integrated Circuit	U5	Bellcore Issue 6	Level I		0.077643	1.00	1.7069	0.077643	12879539.71
1654030001	Connection	CN13	Bellcore Issue 6	Level I		0.017612	1.00	.3872	0.017612	56780628.53
131411171C	Integrated Circuit	U9	Bellcore Issue 6	Level I		0.062024	1.00	1.3635	0.062024	16122698.68
1122522890	Capacitor	C149	Bellcore Issue 6	Level I		0.004589	1.00	.1009	0.004589	217915067.83
14S9313200	Integrated Circuit	U10	Bellcore Issue 6	Level I	36.80	0.277146	1.00	6.0927	0.277146	3608202.27
16540E0001	Connection	CN9	Bellcore Issue 6	Level I		0.082188	1.00	1.8068	0.082188	12167277.54
121110336H	Inductor	L29	Bellcore Issue 6	Level I		0.002371	1.00	.0521	0.002371	421686512.86
11C4501060	Capacitor	C139,C166	Bellcore Issue 6	Level I		0.005487	2.00	.2412	0.010974	182247502.99
11C1522480	Capacitor	C145,C148	Bellcore Issue 6	Level I		0.005487	2.00	.2412	0.010974	182247502.99
1129610080	Capacitor	C100,C105,C107,C12,C15,C160,C- 161,C19,C7,C73,C74,C80,C85,C87- C89,C92,C97	Bellcore Issue 6	Level I		0.004589	17.00	1.7150	0.078012	217915067.83
1053500279	Resistor	CR1,CR2	Bellcore Issue 6	Level I		0.002294	2.00	.1009	0.004589	435830135.66
14S3378000	Integrated Circuit	U15	Bellcore Issue 6	Level I	23.80	0.309089	1.00	6.7949	0.309089	3235317.15

AAEON Reliability Prediction Report

Part Number 9697931006
Reference Des
Date 10. 1, 2007
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.60



Description
File Name AEC-6860-A1.RPJ
Time 2:03 PM
Failure Rate 13.221432
MTBF 75,635

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1653002101	Connection	JP7,JP8	Bellcore Issue 6	Level I		0.001174	2.00	.0178	0.002348	851709427.94
1653003100	Connection	CCMOS	Bellcore Issue 6	Level I		0.001761	1.00	.0133	0.001761	567806285.29
1653003226	Connection	CN19	Bellcore Issue 6	Level I		0.003522	1.00	.0266	0.003522	283903142.65
1653003101	Connection	JP1	Bellcore Issue 6	Level I		0.001761	1.00	.0133	0.001761	567806285.29
1653003201	Connection	JP3	Bellcore Issue 6	Level I		0.003522	1.00	.0266	0.003522	283903142.65
1653004201	Connection	CN3	Bellcore Issue 6	Level I		0.004696	1.00	.0355	0.004696	212927356.99
1653005201	Connection	CN2,CN20,CN23,CN9	Bellcore Issue 6	Level I		0.005871	4.00	.1776	0.023482	170341885.59
1653007201	Connection	CN6	Bellcore Issue 6	Level I		0.008219	1.00	.0622	0.008219	121672775.42
1653300102	Connection	JP1,JP3	Bellcore Issue 6	Level I		0.023482	2.00	.3552	0.046964	42585471.40
1654409103	Connection	CN11	Bellcore Issue 6	Level I		0.005283	1.00	.0400	0.005283	189268761.76
1655303020	Connection	CN28	Bellcore Issue 6	Level I		0.001761	1.00	.0133	0.001761	567806285.29
1655003010	Connection	CN15	Bellcore Issue 6	Level I		0.001761	1.00	.0133	0.001761	567806285.29
1654808304	Connection	USB1	Bellcore Issue 6	Level I		0.004696	1.00	.0355	0.004696	212927356.99
1653900034	Connection	CN24	Bellcore Issue 6	Level I		0.001174	1.00	.0089	0.001174	851709427.94
1654907000	Connection	SATA1,SATA2	Bellcore Issue 6	Level I		0.004109	2.00	.0622	0.008219	243345550.84
1654415305	Connection	CN26	Bellcore Issue 6	Level I		0.008806	1.00	.0666	0.008806	113561257.06
1654606306	Connection	CN21	Bellcore Issue 6	Level I		0.003522	1.00	.0266	0.003522	283903142.65
1652002100	Connection	CN19	Bellcore Issue 6	Level I		0.001174	1.00	.0089	0.001174	851709427.94
1652002200	Connection	CN19	Bellcore Issue 6	Level I		0.001174	1.00	.0089	0.001174	851709427.94
1653300104	Connection	CCMOS	Bellcore Issue 6	Level I		0.001174	1.00	.0089	0.001174	851709427.94
1655902030	Connection	BAT1	Bellcore Issue 6	Level I		0.001174	1.00	.0089	0.001174	851709427.94
175011901C	Miscellaneous	BAT1	Bellcore Issue 6	Level I		0.900000	1.00	6.8071	0.900000	1111111.11
1181627191	Capacitor	EC5,EC7	Bellcore Issue 6	Level I		0.004589	2.00	.0694	0.009178	217915067.83
14S6200404	Integrated Circuit	U9	Bellcore Issue 6	Level I		0.169516	1.00	1.2821	0.169516	5899160.07
1652514209	Connection	LAN1	Bellcore Issue 6	Level I		0.023482	1.00	.1776	0.023482	42585471.40
105A500233	Resistor	R679	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
105A511823	Resistor	R849	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
105A516923	Resistor	R717	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
105A700003	Resistor	L30,L31,R701,R838,R841,R865,R8-67,R927,R928,R942	Bellcore Issue 6	Level I		0.002294	10.00	.1735	0.022945	435830135.66
105A701003	Resistor	R731,R745,R753,R837	Bellcore Issue 6	Level I		0.002294	4.00	.0694	0.009178	435830135.66

AAEON Reliability Prediction Report

Part Number 9697931006
Reference Des
Date 10. 1, 2007
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.60



Description
File Name AEC-6860-A1.RPJ
Time 2:03 PM
Failure Rate 13.221432
MTBF 75,635

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A701053	Resistor	R833,R943	Bellcore Issue 6	Level I		0.002294	2.00	.0347	0.004589	435830135.66
1059700001	Resistor	FB10,FB2-FB4,FB7,L13,L25,L32,L4-,L40,L42,L44,L47,L5,L80,R337,R47-2,R705,R706	Bellcore Issue 6	Level I		0.002294	19.00	.3297	0.043595	435830135.66
1059700001	Resistor	R847,R850,R854,R855	Bellcore Issue 6	Level I		0.002294	4.00	.0694	0.009178	435830135.66
105A500133	Resistor	R685,R743	Bellcore Issue 6	Level I		0.002294	2.00	.0347	0.004589	435830135.66
105A502033	Resistor	R234,R853	Bellcore Issue 6	Level I		0.002294	2.00	.0347	0.004589	435830135.66
105A505623	Resistor	R737	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
105A503633	Resistor	R689	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
1231332721	Miscellaneous	Y3	Bellcore Issue 6	Level I		0.150000	1.00	1.1345	0.150000	6666666.67
1122701680	Capacitor	C747,C752,C756,C763,C772	Bellcore Issue 6	Level I		0.004589	5.00	.1735	0.022945	217915067.83
1122722780	Capacitor	C673,C685	Bellcore Issue 6	Level I		0.004589	2.00	.0694	0.009178	217915067.83
1124518180	Capacitor	C665	Bellcore Issue 6	Level I		0.004589	1.00	.0347	0.004589	217915067.83
1124522180	Capacitor	C743,C744	Bellcore Issue 6	Level I		0.004589	2.00	.0694	0.009178	217915067.83
1124527080	Capacitor	C240-C242,C246,C56,C62	Bellcore Issue 6	Level I		0.004589	6.00	.2083	0.027534	217915067.83
1124427080	Capacitor	C433,C434	Bellcore Issue 6	Level I		0.004589	2.00	.0694	0.009178	217915067.83
1124433080	Capacitor	C748,C749	Bellcore Issue 6	Level I		0.004589	2.00	.0694	0.009178	217915067.83
1124539180	Capacitor	C649	Bellcore Issue 6	Level I		0.004589	1.00	.0347	0.004589	217915067.83
1124547080	Capacitor	C168	Bellcore Issue 6	Level I		0.004589	1.00	.0347	0.004589	217915067.83
1540710080	Resistor	RN3-RN6	Bellcore Issue 6	Level I		0.006419	4.00	.1942	0.025677	155778892.99
1301005440	Semiconductor	D11,D14-D16,D19-D21,D4	Bellcore Issue 6	Level I		0.024296	8.00	1.4701	0.194364	41159868.85
1310390410	Semiconductor	Q23,Q40	Bellcore Issue 6	Level I		0.024296	2.00	.3675	0.048591	41159868.85
14S3006000	Integrated Circuit	DN1	Bellcore Issue 6	Level I		0.062024	1.00	.4691	0.062024	16122698.68
1651203291	Connection	U9	Bellcore Issue 6	Level I		0.018786	1.00	.1421	0.018786	53231839.25
14S4048501	Integrated Circuit	U32,U33	Bellcore Issue 6	Level I		0.062024	2.00	.9382	0.124049	16122698.68
1301005442	Semiconductor	D2,D3,D31	Bellcore Issue 6	Level I		0.024296	3.00	.5513	0.072887	41159868.85
1212306033	Inductor	L1,L10-L12,L35-L38,L41,L50-L55,L-64,L65,L71,L73-L76	Bellcore Issue 6	Level I		0.002294	22.00	.3818	0.050478	435830135.66
14S4021310	Integrated Circuit	U23,U25	Bellcore Issue 6	Level I		0.062024	2.00	.9382	0.124049	16122698.68
1315700211	Semiconductor	Q21,Q22,Q25-Q28,Q33,Q35,Q52--Q57,Q8	Bellcore Issue 6	Level I		0.080985	15.00	9.1879	1.214775	12347960.65
14S5A00700	Integrated Circuit	U11	Bellcore Issue 6	Level I		0.039246	1.00	.2968	0.039246	25479984.39

AAEON Reliability Prediction Report

Part Number 9697931006
Reference Des
Date 10. 1, 2007
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.60

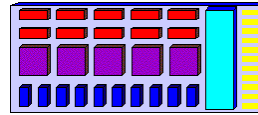


Description
File Name AEC-6860-A1.RPJ
Time 2:03 PM
Failure Rate 13.221432
MTBF 75,635

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
14S3020100	Integrated Circuit	U7	Bellcore Issue 6	Level I		0.062024	1.00	.4691	0.062024	16122698.68
1121615080	Capacitor	C309-C314	Bellcore Issue 6	Level I		0.004589	6.00	.2083	0.027534	217915067.83
1124447180	Capacitor	C652	Bellcore Issue 6	Level I		0.004589	1.00	.0347	0.004589	217915067.83
105A510053	Resistor	R453,R658	Bellcore Issue 6	Level I		0.013767	2.00	.2083	0.027534	72638355.94
105A547003	Resistor	R863	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
105A511313	Resistor	R682	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
105A700103	Resistor	R219,R751,R756,R762	Bellcore Issue 6	Level I		0.002294	4.00	.0694	0.009178	435830135.66
105A708229	Resistor	R136,R164,R169,R173-R177,R188- R189,R200,R210-R213,R228,R381- R382,R384	Bellcore Issue 6	Level I		0.002294	19.00	.3297	0.043595	435830135.66
105A708229	Resistor	R420,R501,R56,R576,R578,R581,- R586-R595,R600,R601,R606,R607- R609,R61	Bellcore Issue 6	Level I		0.002294	21.00	.3644	0.048184	435830135.66
105A708229	Resistor	R610,R616,R62,R623,R629-R631,- R651,R653,R654,R791,R914	Bellcore Issue 6	Level I		0.002294	12.00	.2083	0.027534	435830135.66
105A700139	Resistor	R130,R155,40,R425,R464,R467,R4- 8,R486,R487,R49,R499,R50,R522,- R554,R556	Bellcore Issue 6	Level I		0.002294	15.00	.2603	0.034417	435830135.66
105A700139	Resistor	R569,R584,R619,R628,R713,R732	Bellcore Issue 6	Level I		0.002294	6.00	.1041	0.013767	435830135.66
105A704729	Resistor	R205,R223,R227,R229,R244,R250- R28,R282,R283,R29-R33,R330-R3- 33,R34,R35	Bellcore Issue 6	Level I		0.002294	20.00	.3471	0.045889	435830135.66
105A704729	Resistor	R354,R387,R388,R392,R396,R404- R407,R418,R428,R550,R582,R63,- R735,R775	Bellcore Issue 6	Level I		0.002294	14.00	.2430	0.032123	435830135.66
105A704729	Resistor	R782,R864,R941,R952	Bellcore Issue 6	Level I		0.002294	4.00	.0694	0.009178	435830135.66
105A700009	Resistor	R128,R14,R140,R15,R16,R165,R1- 66,R17,R172,R18,R180,R207,R214- R217,R220	Bellcore Issue 6	Level I		0.002294	15.00	.2603	0.034417	435830135.66
105A700009	Resistor	R224,R225,R23,R232,R238,R239,- R25,R261-R265,R277,R279,R281,- R285,R297	Bellcore Issue 6	Level I		0.002294	17.00	.2950	0.039006	435830135.66
105A700009	Resistor	R299,R334,R347-R350,R356,R365- R367,R398,R4,R401,R412,R442,R- 52,R520,R555	Bellcore Issue 6	Level I		0.002294	17.00	.2950	0.039006	435830135.66
105A700009	Resistor	R557,R558,R571,R572,R602,R603- R608,R615,R618,R637,R639,R645- R657,R661	Bellcore Issue 6	Level I		0.002294	14.00	.2430	0.032123	435830135.66

AAEON Reliability Prediction Report

Part Number 9697931006
Reference Des
Date 10. 1, 2007
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.60



Description
File Name AEC-6860-A1.RPJ
Time 2:03 PM
Failure Rate 13.221432
MTBF 75,635

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A700009	Resistor	R663,R671,R673,R674,R677,R686- R694,R703,R707,R712,R715,R716- R722,R734	Bellcore Issue 6	Level I		0.002294	14.00	.2430	0.032123	435830135.66
105A700009	Resistor	R736,R739-R741,R744,R748,R761- R765,R766,R776,R778,R78,R832,- R840,R844	Bellcore Issue 6	Level I		0.002294	15.00	.2603	0.034417	435830135.66
105A700009	Resistor	R856,R871,R874,R846,R881,R900- R909,R910,R913,R932,R940	Bellcore Issue 6	Level I		0.002294	11.00	.1909	0.025239	435830135.66
105A701039	Resistor	R125,R144,R168,R170,R181,R183- R187,R191,R193,R21,R27,R368,R- 413,R43,R448	Bellcore Issue 6	Level I		0.002294	18.00	.3124	0.041300	435830135.66
105A701039	Resistor	R449,R454,R455,R461,R462,R51,- R519,R521,R527,R534,R535,R537- R579,R585	Bellcore Issue 6	Level I		0.002294	14.00	.2430	0.032123	435830135.66
105A701039	Resistor	R675,R681,R933,R945	Bellcore Issue 6	Level I		0.002294	4.00	.0694	0.009178	435830135.66
105A710009	Resistor	R146,R182,R22,R241,R440,R504,- R512,R517,R565,R574,R604,R621- R626,R632	Bellcore Issue 6	Level I		0.002294	14.00	.2430	0.032123	435830135.66
105A710009	Resistor	R666,R687,R693,R779	Bellcore Issue 6	Level I		0.002294	4.00	.0694	0.009178	435830135.66
105A703309	Resistor	R102,R105,R109,R113,R114,R116- R118,R119,R123,R203,R419,R468- R491,R536	Bellcore Issue 6	Level I		0.002294	14.00	.2430	0.032123	435830135.66
105A703309	Resistor	R551,R552,R553,R575,R633,R70,- R72,R73,R75,R79,R84,R86,R88,R- 89,R91,R94	Bellcore Issue 6	Level I		0.002294	16.00	.2777	0.036712	435830135.66
105A703309	Resistor	R96,R98,R99	Bellcore Issue 6	Level I		0.002294	3.00	.0521	0.006883	435830135.66
105A701009	Resistor	R476,R573	Bellcore Issue 6	Level I		0.002294	2.00	.0347	0.004589	435830135.66
105A702239	Resistor	R160,R276,R278,R280,R284,R627- R720,R733	Bellcore Issue 6	Level I		0.002294	8.00	.1388	0.018356	435830135.66
105A702229	Resistor	R445,R446,R469,R507,R524,R726- R76	Bellcore Issue 6	Level I		0.002294	7.00	.1215	0.016061	435830135.66
105A733009	Resistor	R100,R190,R218,R258,R259,R67,- R772,R774,R93	Bellcore Issue 6	Level I		0.002294	9.00	.1562	0.020650	435830135.66
1129701690	Capacitor	C750,C751,C755,C758,C759,C767- C768	Bellcore Issue 6	Level I		0.004589	7.00	.2430	0.032123	217915067.83
1129710090	Capacitor	C243-C245,C287-C289,C38,C419,- C436,C437,C442,C446,C450,C453- C462,C58,C59	Bellcore Issue 6	Level I		0.004589	17.00	.5900	0.078012	217915067.83
1129722091	Capacitor	C778,C779	Bellcore Issue 6	Level I		0.004589	2.00	.0694	0.009178	217915067.83

AAEON Reliability Prediction Report

Part Number 9697931006
Reference Des
Date 10. 1, 2007
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.60



Description
File Name AEC-6860-A1.RPJ
Time 2:03 PM
Failure Rate 13.221432
MTBF 75,635

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1129710390	Capacitor	C160,C271,C273,C276,C278,C29,-C30,C5,C607	Bellcore Issue 6	Level I		0.004589	9.00	.3124	0.041300	217915067.83
1129701790	Capacitor	C128,C272,C274,C275,C277,C316-C389,C619	Bellcore Issue 6	Level I		0.004589	8.00	.2777	0.036712	217915067.83
1129722680	Capacitor	C123,C33,C447,C477,C478,C490,-C512,C81	Bellcore Issue 6	Level I		0.004589	8.00	.2777	0.036712	217915067.83
1121733380	Capacitor	C651,C677	Bellcore Issue 6	Level I		0.004589	2.00	.0694	0.009178	217915067.83
105A702263	Resistor	R669,R670,R683,R688,R750,R767	Bellcore Issue 6	Level I		0.002294	6.00	.1041	0.013767	435830135.66
105A561923	Resistor	R728,R848	Bellcore Issue 6	Level I		0.002294	2.00	.0347	0.004589	435830135.66
1129610050	Capacitor	C13,C140,C141,C170,C175,C195,-C235,C247,C258,C292,C296,C372-C397,C398	Bellcore Issue 6	Level I		0.004589	14.00	.4859	0.064245	217915067.83
1129610050	Capacitor	C416,C486,C502,C527,C553,C6,C-606,C635,C7,C703,C704,C799,C80-3,C98	Bellcore Issue 6	Level I		0.004589	14.00	.4859	0.064245	217915067.83
1653222208	Connection	CN22	Bellcore Issue 6	Level I		0.025830	1.00	.1954	0.025830	38714064.91
1311006910	Semiconductor	Q5,Q6	Bellcore Issue 6	Level I		0.024296	2.00	.3675	0.048591	41159868.85
105A563423	Resistor	R852	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
1301002240	Semiconductor	D38-D41	Bellcore Issue 6	Level I		0.024296	4.00	.7350	0.097182	41159868.85
1654262300	Connection	MPC11	Bellcore Issue 6	Level I		0.072795	1.00	.5506	0.072795	13737248.84
1211101005	Inductor	L67,L9	Bellcore Issue 6	Level I		0.087190	2.00	1.3189	0.174380	11469214.10
1189633181	Capacitor	C774	Bellcore Issue 6	Level I		0.004589	1.00	.0347	0.004589	217915067.83
1304001340	Semiconductor	LED3	Bellcore Issue 6	Level I		0.005151	1.00	.0390	0.005151	194136508.00
1304101340	Semiconductor	LED1,LED2	Bellcore Issue 6	Level I		0.005151	2.00	.0779	0.010302	194136508.00
105A710039	Resistor	R167,R245,R389,R400,R441,R759	Bellcore Issue 6	Level I		0.002294	6.00	.1041	0.013767	435830135.66
105A505629	Resistor	R2	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
105A505109	Resistor	R194	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
105A507509	Resistor	R643,R934-R936	Bellcore Issue 6	Level I		0.002294	4.00	.0694	0.009178	435830135.66
105A501539	Resistor	R842,R843	Bellcore Issue 6	Level I		0.002294	2.00	.0347	0.004589	435830135.66
105A501529	Resistor	R417	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
1124418090	Capacitor	C577,C578	Bellcore Issue 6	Level I		0.004589	2.00	.0694	0.009178	217915067.83
1124547190	Capacitor	BC350,BC351,BC372,BC524	Bellcore Issue 6	Level I		0.004589	4.00	.1388	0.018356	217915067.83
105A549969	Resistor	R10-R13,R484,R490,R496,R498,R-52,R503,R508,R515,R523,R530,R5-33,R539,R541	Bellcore Issue 6	Level I		0.002294	17.00	.2950	0.039006	435830135.66

AAEON Reliability Prediction Report

Part Number 9697931006
Reference Des
Date 10. 1, 2007
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.60



Description
File Name AEC-6860-A1.RPJ
Time 2:03 PM
Failure Rate 13.221432
MTBF 75,635

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A549969	Resistor	R542,R544,R547,R6,R7,R780,R781-R8,R9	Bellcore Issue 6	Level I		0.002294	9.00	.1562	0.020650	435830135.66
105A500139	Resistor	R157,R197,R199,R45,R47,R872	Bellcore Issue 6	Level I		0.002294	6.00	.1041	0.013767	435830135.66
105A501039	Resistor	R423,R424,R437-R439,R447,R478-R667,R757,R763,R770	Bellcore Issue 6	Level I		0.002294	11.00	.1909	0.025239	435830135.66
121230603H	Inductor	L68	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
1653925216	Connection	CN24	Bellcore Issue 6	Level I		0.029353	1.00	.2220	0.029353	34068377.12
1121701080	Capacitor	C1,C109,C110,C115,C14,C178,C179,C181,C2,C204,C205,C251,C252-C260,C261	Bellcore Issue 6	Level I		0.004589	15.00	.5206	0.068834	217915067.83
1121701080	Capacitor	C281,C284,C293,C294,C3,C301,C302,C306-C308,C315,C4,C556,C6-67	Bellcore Issue 6	Level I		0.004589	14.00	.4859	0.064245	217915067.83
1124410190	Capacitor	C15,C17,C19,C21,C22,C226-C229-C28,C32	Bellcore Issue 6	Level I		0.004589	11.00	.3818	0.050478	217915067.83
1124547290	Capacitor	C159,C162,C166,C167,C174,C180-C184,C185	Bellcore Issue 6	Level I		0.004589	8.00	.2777	0.036712	217915067.83
105A500239	Resistor	R198	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
105A705609	Resistor	R103,R106,R108,R110,R117,R120-R127,R129,R132,R137,R139,R147-R231,R326	Bellcore Issue 6	Level I		0.002294	14.00	.2430	0.032123	435830135.66
105A705609	Resistor	R327-R329,R471,R477,R485,R525-R540,R543,R546,R560,R644,R660-R690-R692	Bellcore Issue 6	Level I		0.002294	16.00	.2777	0.036712	435830135.66
105A705609	Resistor	R696,R82,R83,R90,R92,R95,R97	Bellcore Issue 6	Level I		0.002294	7.00	.1215	0.016061	435830135.66
105A547509	Resistor	R511	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
105A515009	Resistor	R357-R359,R376-R378,R458-R460-R482,R483,R500	Bellcore Issue 6	Level I		0.002294	12.00	.2083	0.027534	435830135.66
105A701059	Resistor	R431,R646	Bellcore Issue 6	Level I		0.002294	2.00	.0347	0.004589	435830135.66
105A703909	Resistor	R121,R201,R202,R24,R443,R444,-R634-R636,R638,R640,R641	Bellcore Issue 6	Level I		0.002294	12.00	.2083	0.027534	435830135.66
1054600289	Resistor	R846,R851	Bellcore Issue 6	Level I		0.002294	2.00	.0347	0.004589	435830135.66
1211100160	Inductor	L16,L69	Bellcore Issue 6	Level I		0.087190	2.00	1.3189	0.174380	11469214.10
105A705139	Resistor	R360,R379	Bellcore Issue 6	Level I		0.002294	2.00	.0347	0.004589	435830135.66
105A512039	Resistor	R159	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
105A503039	Resistor	R422	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
105A506829	Resistor	R432,R435	Bellcore Issue 6	Level I		0.002294	2.00	.0347	0.004589	435830135.66

AAEON Reliability Prediction Report

Part Number 9697931006
Reference Des
Date 10. 1, 2007
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.60



Description
File Name AEC-6860-A1.RPJ
Time 2:03 PM
Failure Rate 13.221432
MTBF 75,635

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A527469	Resistor	R195,R727	Bellcore Issue 6	Level I		0.002294	2.00	.0347	0.004589	435830135.66
105A703329	Resistor	R883,R890,R906,R907,R919,R926	Bellcore Issue 6	Level I		0.002294	6.00	.1041	0.013767	435830135.66
105A522669	Resistor	R192	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
105A704709	Resistor	R908,R911,R912	Bellcore Issue 6	Level I		0.002294	3.00	.0521	0.006883	435830135.66
14S3156500	Integrated Circuit	U13	Bellcore Issue 6	Level I	32.40	0.521743	1.00	3.9462	0.521743	1916651.09
105A554969	Resistor	R150,R196,R567,R697,R726	Bellcore Issue 6	Level I		0.002294	5.00	.0868	0.011472	435830135.66
1124533190	Capacitor	C191,C192,C196,C197,C201-C203-,C267-C269,C687,C690	Bellcore Issue 6	Level I		0.004589	12.00	.4165	0.055067	217915067.83
14S1035801	Integrated Circuit	U37	Bellcore Issue 6	Level I		0.062024	1.00	.4691	0.062024	16122698.68
105A549919	Resistor	R466,R920	Bellcore Issue 6	Level I		0.002294	2.00	.0347	0.004589	435830135.66
1752001600	Miscellaneous	FS1,FS2	Bellcore Issue 6	Level I		0.030000	2.00	.4538	0.060000	33333333.33
105A510213	Resistor	R204	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
105A532413	Resistor	R678	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
105A501133	Resistor	R754	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
1129610051	Capacitor	C114,C125,C342,C343,C403,C406-,C417,C435,C445,C476,C515,C537-,C605,C66	Bellcore Issue 6	Level I		0.004589	14.00	.4859	0.064245	217915067.83
1129610051	Capacitor	C746,C762,C773,C83,C85	Bellcore Issue 6	Level I		0.004589	5.00	.1735	0.022945	217915067.83
1315700310	Semiconductor	Q38	Bellcore Issue 6	Level I		0.080985	1.00	.6125	0.080985	12347960.65
1315700310	Semiconductor	Q36	Bellcore Issue 6	Level I	46.40	0.255649	1.00	1.9336	0.255649	3911613.11
1121701790	Capacitor	C172,C173,C659,C663,C745	Bellcore Issue 6	Level I		0.004589	5.00	.1735	0.022945	217915067.83
14S3065500	Integrated Circuit	U1	Bellcore Issue 6	Level I	26.10	0.356510	1.00	2.6965	0.356510	2804966.92
14S5A12505	Integrated Circuit	U34	Bellcore Issue 6	Level I		0.040704	1.00	.3079	0.040704	24567823.94
14S5812502	Integrated Circuit	U31,U35	Bellcore Issue 6	Level I		0.040704	2.00	.6157	0.081407	24567823.94
1315230111	Integrated Circuit	Q24,Q37	Bellcore Issue 6	Level I		0.062024	2.00	.9382	0.124049	16122698.68
1050502204	Resistor	R343-R346	Bellcore Issue 6	Level I		0.002294	4.00	.0694	0.009178	435830135.66
14S4081110	Integrated Circuit	U14,U18,U41	Bellcore Issue 6	Level I		0.062024	3.00	1.4074	0.186073	16122698.68
14S4653700	Integrated Circuit	U17	Bellcore Issue 6	Level I		0.062024	1.00	.4691	0.062024	16122698.68
11C2510190	Capacitor	C612,C636,C753,C754,C757,C761-,C764,C765,C766	Bellcore Issue 6	Level I		0.004589	9.00	.3124	0.041300	217915067.83
11E9647680	Capacitor	C158,C404,C484,C560,C565,C68-,C784,C789,C793,C795,C797,C800-,C804	Bellcore Issue 6	Level I		0.004589	13.00	.4512	0.059656	217915067.83

AAEON Reliability Prediction Report

Part Number 9697931006
Reference Des
Date 10. 1, 2007
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.60



Description
File Name AEC-6860-A1.RPJ
Time 2:03 PM
Failure Rate 13.221432
MTBF 75,635

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
16515A0996	Connection	DIMM1	Bellcore Issue 6	Level I		0.117411	1.00	.8880	0.117411	8517094.28
121230603S	Inductor	L60-L62	Bellcore Issue 6	Level I		0.002294	3.00	.0521	0.006883	435830135.66
121230805X	Inductor	L45,L46,L7,L70,L72,L77,L8	Bellcore Issue 6	Level I		0.002294	7.00	.1215	0.016061	435830135.66
121230805Z	Inductor	L78	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
105A501623	Resistor	R680	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
1315442910	Semiconductor	U47,U51	Bellcore Issue 6	Level I		0.080985	2.00	1.2251	0.161970	12347960.65
1189622190	Capacitor	C137	Bellcore Issue 6	Level I		0.004589	1.00	.0347	0.004589	217915067.83
14S4826100	Integrated Circuit	U2	Bellcore Issue 6	Level I		0.040704	1.00	.3079	0.040704	24567823.94
1121501690	Capacitor	BC1,BC3,BC4,C101-C103,C117,C1-19,C12,C121,C122,C126,C127,C12-9-C131,C139	Bellcore Issue 6	Level I		0.004589	17.00	.5900	0.078012	217915067.83
1121501690	Capacitor	C142-C145,C147,C149-C153,C155-C157,C16,C161,C18,C183,C231-C-233,C236,C238	Bellcore Issue 6	Level I		0.004589	22.00	.7636	0.100957	217915067.83
1121501690	Capacitor	C239,C249,C250,C256,C257,C266-C,27,C270,C279,C285,C290,C295,-C298,C299	Bellcore Issue 6	Level I		0.004589	14.00	.4859	0.064245	217915067.83
1121501690	Capacitor	C318,C322,C327,C334,C341,C344-C,353-C360,C37,C374-C376,C380,-C382-C388	Bellcore Issue 6	Level I		0.004589	26.00	.9024	0.119313	217915067.83
1121501690	Capacitor	C396,C400-C402,C405,C413,C414-C,418,C425-C427,C429,C431,C438-C,439,C444	Bellcore Issue 6	Level I		0.004589	16.00	.5553	0.073423	217915067.83
1121501690	Capacitor	C449,C451,C454,C455,C46,C460,-C461,C463,C464,C466-C470,C472-C,473,C479	Bellcore Issue 6	Level I		0.004589	17.00	.5900	0.078012	217915067.83
1121501690	Capacitor	C481,C485,C491,C494,C496-C500-C,50,C503,C506-C508,C514,C517,-C52,C526,C528	Bellcore Issue 6	Level I		0.004589	19.00	.6595	0.087190	217915067.83
1121501690	Capacitor	C53,C54,C541,C543-C545,C550-C-552,C555,C557,C559,C561,C563,C-564,C566,C571	Bellcore Issue 6	Level I		0.004589	17.00	.5900	0.078012	217915067.83
1121501690	Capacitor	C572,C574-C576,C582,C586,C599-C,600,C602,C603,C63,C632-C634,-C64,C65,C661	Bellcore Issue 6	Level I		0.004589	17.00	.5900	0.078012	217915067.83
1121501690	Capacitor	C67,C670,C69,C702,C71,C75,C76-C,775,C776,C780-C783,C786-C788-C,79,C790-C792	Bellcore Issue 6	Level I		0.004589	20.00	.6942	0.091779	217915067.83

AAEON Reliability Prediction Report

Part Number 9697931006
Reference Des
Date 10. 1, 2007
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.60

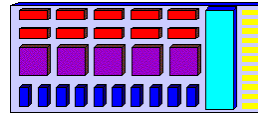


Description
File Name AEC-6860-A1.RPJ
Time 2:03 PM
Failure Rate 13.221432
MTBF 75,635

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1121501690	Capacitor	C796,C798,C8,C801,C805,C82,C84-C88,C89,C93-C96,C99	Bellcore Issue 6	Level I		0.004589	14.00	.4859	0.064245	217915067.83
1129522790	Capacitor	C423,C424,C492,C509,C519,C522-C671,C696,C698	Bellcore Issue 6	Level I		0.004589	9.00	.3124	0.041300	217915067.83
123131435B	Miscellaneous	Y2	Bellcore Issue 6	Level I		0.150000	1.00	1.1345	0.150000	6666666.67
1231325058	Miscellaneous	Y1	Bellcore Issue 6	Level I		0.150000	1.00	1.1345	0.150000	6666666.67
14S3372800	Integrated Circuit	U44	Bellcore Issue 6	Level I		0.062024	1.00	.4691	0.062024	16122698.68
118961018A	Capacitor	C520	Bellcore Issue 6	Level I		0.004589	1.00	.0347	0.004589	217915067.83
1129601080	Capacitor	C154,C412,C554,C558,C569,C570-C591	Bellcore Issue 6	Level I		0.004589	7.00	.2430	0.032123	217915067.83
105A536513	Resistor	R752,R771	Bellcore Issue 6	Level I		0.002294	2.00	.0347	0.004589	435830135.66
1315442011	Semiconductor	Q30,Q32,Q34,Q48-Q51	Bellcore Issue 6	Level I		0.080985	7.00	4.2877	0.566895	12347960.65
1315441014	Semiconductor	Q31	Bellcore Issue 6	Level I		0.080985	1.00	.6125	0.080985	12347960.65
1315442011	Semiconductor	Q29	Bellcore Issue 6	Level I	50.90	0.281197	1.00	2.1268	0.281197	3556228.52
1315600210	Semiconductor	Q10,Q12	Bellcore Issue 6	Level I		0.080985	2.00	1.2251	0.161970	12347960.65
106B501032	Resistor	RT2-RT5	Bellcore Issue 6	Level I		0.011741	4.00	.3552	0.046964	85170942.79
106B747030	Resistor	RT1	Bellcore Issue 6	Level I		0.011741	1.00	.0888	0.011741	85170942.79
1189615160	Capacitor	C248,C428,C504,C523,C532,C533-C657	Bellcore Issue 6	Level I		0.004589	7.00	.2430	0.032123	217915067.83
1189633160	Capacitor	C146	Bellcore Issue 6	Level I		0.004589	1.00	.0347	0.004589	217915067.83
1189633160	Capacitor	C124,C136,C138,C465,C47,C482,-C538,C540,C542,C562,C567,C568-C589	Bellcore Issue 6	Level I		0.004589	13.00	.4512	0.059656	217915067.83
1189633160	Capacitor	C613,C614,C624,C625,C630,C637-C73,C90	Bellcore Issue 6	Level I		0.004589	8.00	.2777	0.036712	217915067.83
14S3422600	Integrated Circuit	U10	Bellcore Issue 6	Level I		0.062024	1.00	.4691	0.062024	16122698.68
14S3626200	Integrated Circuit	U19	Bellcore Issue 6	Level I		0.062024	1.00	.4691	0.062024	16122698.68
1129622050	Capacitor	C105,C106,C583,C584,C587,C588-C597,C598,C608-C611,C615-C618-C621,C622	Bellcore Issue 6	Level I		0.004589	18.00	.6248	0.082601	217915067.83
1129622050	Capacitor	C626-C629	Bellcore Issue 6	Level I		0.004589	4.00	.1388	0.018356	217915067.83
1121647480	Capacitor	C104,C107,C108,C377,C378,C411-C432,C489,C493,C518,C78	Bellcore Issue 6	Level I		0.004589	12.00	.4165	0.055067	217915067.83
1315970211	Semiconductor	U20,U27	Bellcore Issue 6	Level I		0.080985	2.00	1.2251	0.161970	12347960.65
105A540213	Resistor	R237	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66

AAEON Reliability Prediction Report

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Description
File Name AEC-6860-A1.RPJ
Time 2:03 PM
Failure Rate 13.221432
MTBF 75,635

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A514733	Resistor	R242	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
105A526113	Resistor	R755	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
1129647650	Capacitor	C399,C407,C440,C604,C695,C771-C785	Bellcore Issue 6	Level I		0.004589	7.00	.2430	0.032123	217915067.83
1651611991	Connection	U16	Bellcore Issue 6	Level I		0.001174	1.00	.0089	0.001174	851709427.94
14S4294501	Integrated Circuit	U8	Bellcore Issue 6	Level I	20.20	0.123234	1.00	.9321	0.123234	8114643.62
14S428010D	Integrated Circuit	U15	Bellcore Issue 6	Level I		0.040704	1.00	.3079	0.040704	24567823.94
1654030001	Connection	CN12	Bellcore Issue 6	Level I		0.017612	1.00	.1332	0.017612	56780628.53
1300581940	Semiconductor	D12,D13,D17,D18	Bellcore Issue 6	Level I		0.024296	4.00	.7350	0.097182	41159868.85
1059700201	Resistor	R929,R930	Bellcore Issue 6	Level I		0.002294	2.00	.0347	0.004589	435830135.66
1124515880	Capacitor	C169	Bellcore Issue 6	Level I		0.004589	1.00	.0347	0.004589	217915067.83
1189633192	Capacitor	C148	Bellcore Issue 6	Level I		0.004589	1.00	.0347	0.004589	217915067.83
1122522890	Capacitor	C443,C456-C458,C471,C475,C72	Bellcore Issue 6	Level I		0.004589	7.00	.2430	0.032123	217915067.83
14S2591200	Integrated Circuit	Q7	Bellcore Issue 6	Level I		0.062024	1.00	.4691	0.062024	16122698.68
1050547004	Resistor	R577,R711	Bellcore Issue 6	Level I		0.002294	2.00	.0347	0.004589	435830135.66
105A544213	Resistor	R708	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
1050519114	Resistor	R243	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
1189622850	Capacitor	C393,C394,C415,C77,C80	Bellcore Issue 6	Level I		0.004589	5.00	.1735	0.022945	217915067.83
121110156A	Inductor	L14	Bellcore Issue 6	Level I		0.087190	1.00	.6595	0.087190	11469214.10
1211105673	Inductor	L15,L17	Bellcore Issue 6	Level I		0.087190	2.00	1.3189	0.174380	11469214.10
1211101060	Inductor	L18,L21	Bellcore Issue 6	Level I		0.087190	2.00	1.3189	0.174380	11469214.10
16540E0201	Connection	CN25	Bellcore Issue 6	Level I		0.082188	1.00	.6216	0.082188	12167277.54
1050512164	Resistor	R69,R71,R74,R77,R81	Bellcore Issue 6	Level I		0.002294	5.00	.0868	0.011472	435830135.66
1050568124	Resistor	R148	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
1050522104	Resistor	R149,R566	Bellcore Issue 6	Level I		0.002294	2.00	.0347	0.004589	435830135.66
1050524904	Resistor	R151,R152,R216,R426,R611,R668	Bellcore Issue 6	Level I		0.002294	6.00	.1041	0.013767	435830135.66
1050580664	Resistor	R153,R154	Bellcore Issue 6	Level I		0.002294	2.00	.0347	0.004589	435830135.66
1050525504	Resistor	R475	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
1050520004	Resistor	R516	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
1050533034	Resistor	R647	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66
1050549904	Resistor	R714	Bellcore Issue 6	Level I		0.002294	1.00	.0174	0.002294	435830135.66

