

TF-AEC-6920 Reliability Prediction Report (MTBF)

Report NO : 07P070001

4-27-2007

Issue Date

Wenyuan Yang

Manager

Jessica Chou

Test Engineer

Reliability Prediction (MTBF)

I . **Model Name:** TF-AEC-6920-A1

II . **Prediction Date:** Mar. 27, 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 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-6920-A1 : (Without Adaptor, Inverter, Touch screen, DVD ROM, AD Board)

Failure Rate: 20.461573 ppm

MTBF: 48,872 Hours

AAEON Reliability Prediction Report

Part Number TF-AEC-6920-A1
Reference Des
Date 07. 30, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description Top-level assembly
File Name TF-AEC-6920-A1_modify.-
Time 9:42 上午
Failure Rate 20.461573
MTBF 48,872

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
TF-AEC-6920-A1	TF-AEC-6920-A1	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	20.461573	48,872
COM-945	9697945004	Bellcore	Method I Case 3	GF, GU - Ground Fixed,		1.00	9.764560	102,411
9697T07306	ASS'Y I/O Board T073	Bellcore	Method I Case 3	GF, GU - Ground Fixed,		1.00	9.983834	100,162
9697R07P02	ASS'Y PER-R07P	Bellcore	Method I Case 3	GF, GU - Ground Fixed,		1.00	0.450937	2,217,605

AAEON Reliability Prediction Report

Part Number 9697945004
Reference Des
Date 07. 30, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.40



Description
File Name TF-AEC-6920-A1_modify.-
Time 9:42 上午
Failure Rate 9.764560
MTBF 102,411

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A700003	Resistor	R202,R203,R672,R675,R697	Bellcore Issue 6	Level I		0.002241	5.00	.1148	0.011206	446199881.37
105A701003	Resistor	R439,R440,R443,R66,R665,R68	Bellcore Issue 6	Level I		0.002241	6.00	.1377	0.013447	446199881.37
105A701053	Resistor	R553	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
105A707503	Resistor	R2	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
105A701533	Resistor	R564,R565	Bellcore Issue 6	Level I		0.002241	2.00	.0459	0.004482	446199881.37
1059700001	Resistor	L21,L25,R334-R336,R446,R447,R5-46,R547,R555,R557,R566,R567,R6-7,R692,R736	Bellcore Issue 6	Level I		0.002241	16.00	.3672	0.035858	446199881.37
1059700101	Resistor	R552,R563	Bellcore Issue 6	Level I		0.002241	2.00	.0459	0.004482	446199881.37
105A500133	Resistor	R435,R543,R545	Bellcore Issue 6	Level I		0.002241	3.00	.0689	0.006723	446199881.37
105A503033	Resistor	R560	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
105A505623	Resistor	R486	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
105A511503	Resistor	R676	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
105A518703	Resistor	R677	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
105A571533	Resistor	R559	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
105A702033	Resistor	R92	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
105A702233	Resistor	R189	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
105A705103	Resistor	R10	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
105A710033	Resistor	R656	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
1212308054	Inductor	L22,L6	Bellcore Issue 6	Level I		0.002241	2.00	.0459	0.004482	446199881.37
1231332721	Miscellaneous	Y1	Bellcore Issue 6	Level I		0.150000	1.00	1.5362	0.150000	6666666.67
1121501680	Capacitor	C612	Bellcore Issue 6	Level I		0.004482	1.00	.0459	0.004482	223099940.69
1121722650	Capacitor	C439-C441,C445,C446	Bellcore Issue 6	Level I		0.004482	5.00	.2295	0.022411	223099940.69
1122722780	Capacitor	C412,C416	Bellcore Issue 6	Level I		0.004482	2.00	.0918	0.008965	223099940.69
1124501750	Capacitor	C504	Bellcore Issue 6	Level I		0.004482	1.00	.0459	0.004482	223099940.69
1124518180	Capacitor	C427	Bellcore Issue 6	Level I		0.004482	1.00	.0459	0.004482	223099940.69
1124522280	Capacitor	C1	Bellcore Issue 6	Level I		0.004482	1.00	.0459	0.004482	223099940.69
1124533080	Capacitor	C282,C283	Bellcore Issue 6	Level I		0.004482	2.00	.0918	0.008965	223099940.69
1124539180	Capacitor	C423	Bellcore Issue 6	Level I		0.004482	1.00	.0459	0.004482	223099940.69
1124547180	Capacitor	C419	Bellcore Issue 6	Level I		0.004482	1.00	.0459	0.004482	223099940.69
1301005440	Semiconductor	D3,D4,D6	Bellcore Issue 6	Level I		0.023472	3.00	.7211	0.070416	42604146.25

AAEON Reliability Prediction Report

Part Number 9697945004
Reference Des
Date 07. 30, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.40



Description
File Name TF-AEC-6920-A1_modify.-
Time 9:42 上午
Failure Rate 9.764560
MTBF 102,411

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1129701690	Capacitor	C500,C502,C503,C506,C507,C51--C60,C601-C603,C605,C606,C608,-C61-C74	Bellcore Issue 6	Level I		0.004482	35.00	1.6066	0.156880	223099940.69
1129710390	Capacitor	C332,C340,C352,C354	Bellcore Issue 6	Level I		0.004482	4.00	.1836	0.017929	223099940.69
1129701790	Capacitor	C109,C38	Bellcore Issue 6	Level I		0.004482	2.00	.0918	0.008965	223099940.69
1129722680	Capacitor	C118,C223,C225,C233,C235,C238-C241,C244	Bellcore Issue 6	Level I		0.004482	8.00	.3672	0.035858	223099940.69
1121733380	Capacitor	C420,C421	Bellcore Issue 6	Level I		0.004482	2.00	.0918	0.008965	223099940.69
1301053040	Semiconductor	D16-D19,D24,D5	Bellcore Issue 6	Level I		0.023472	6.00	1.4423	0.140831	42604146.25
105A702263	Resistor	R448,R464	Bellcore Issue 6	Level I		0.002241	2.00	.0459	0.004482	446199881.37
105A524963	Resistor	R101,R108,R26,R28,R32,R99	Bellcore Issue 6	Level I		0.002241	6.00	.1377	0.013447	446199881.37
1121610060	Capacitor	C438,C447	Bellcore Issue 6	Level I		0.004482	2.00	.0918	0.008965	223099940.69
105A527413	Resistor	R338	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
105A561923	Resistor	R480	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
1129710050	Capacitor	C149,C268,C272,C285,C288,C289-C327,C328,C348,C350,C361,C435-C451,C491	Bellcore Issue 6	Level I		0.004482	14.00	.6427	0.062752	223099940.69
1129710050	Capacitor	C492,C496,C508,C607	Bellcore Issue 6	Level I		0.004482	4.00	.1836	0.017929	223099940.69
1211101005	Inductor	L5,L7	Bellcore Issue 6	Level I		0.085164	2.00	1.7443	0.170327	11742102.14
105A710039	Resistor	R191,R410,R504,R65,R759	Bellcore Issue 6	Level I		0.002241	5.00	.1148	0.011206	446199881.37
105A747009	Resistor	R436	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
105A501529	Resistor	R56	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
1124427090	Capacitor	C610,C611	Bellcore Issue 6	Level I		0.004482	2.00	.0918	0.008965	223099940.69
105A549969	Resistor	R247,R248,R253-R255,R257,R259-R262,R263,R265,R268,R269,R271-R273,R276	Bellcore Issue 6	Level I		0.002241	15.00	.3443	0.033617	446199881.37
105A549969	Resistor	R277,R279,R280	Bellcore Issue 6	Level I		0.002241	3.00	.0689	0.006723	446199881.37
1121701080	Capacitor	C180,C189,C215,C217-C219,C221-C292,C395,C398,C407,C450,C499-C501,C510	Bellcore Issue 6	Level I		0.004482	15.00	.6886	0.067234	223099940.69
1121701080	Capacitor	C512,C556,C82	Bellcore Issue 6	Level I		0.004482	3.00	.1377	0.013447	223099940.69
105A715009	Resistor	R38-R40,R43,R44,R46	Bellcore Issue 6	Level I		0.002241	6.00	.1377	0.013447	446199881.37
105A705609	Resistor	R1,R13,R14,R17,R18,R221-R246,-R95,R98	Bellcore Issue 6	Level I		0.002241	33.00	.7574	0.073958	446199881.37
105A547509	Resistor	R291	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37

AAEON Reliability Prediction Report

Part Number 9697945004
Reference Des
Date 07. 30, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.40



Description
File Name TF-AEC-6920-A1_modify.-
Time 9:42 上午
Failure Rate 9.764560
MTBF 102,411

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A501139	Resistor	R478	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
105A700239	Resistor	R11	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
105A701059	Resistor	R96	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
105A703909	Resistor	R214,R217,R219,R220,R331,R332-R47,R48	Bellcore Issue 6	Level I		0.002241	8.00	.1836	0.017929	446199881.37
105A522669	Resistor	R145	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
14S4148500	Integrated Circuit	U18	Bellcore Issue 6	Level I	40.00	0.757082	1.00	7.7534	0.757082	1320861.21
1124533190	Capacitor	C230	Bellcore Issue 6	Level I		0.004482	1.00	.0459	0.004482	223099940.69
105A549919	Resistor	R42,R714	Bellcore Issue 6	Level I		0.002241	2.00	.0459	0.004482	446199881.37
105A554963	Resistor	R12,R22,R29,R5,R8	Bellcore Issue 6	Level I		0.002241	5.00	.1148	0.011206	446199881.37
105A701233	Resistor	R671	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
1129610051	Capacitor	C105,C116,C123,C133,C136,C156-C159,C186,C39,C78,C80,C89,C90-C95,C99	Bellcore Issue 6	Level I		0.004482	15.00	.6886	0.067234	223099940.69
1315700310	Semiconductor	Q23,Q25	Bellcore Issue 6	Level I		0.078240	2.00	1.6025	0.156479	12781243.88
1121701790	Capacitor	C411,C426,C430,C431	Bellcore Issue 6	Level I		0.004482	4.00	.1836	0.017929	223099940.69
14S2705700	Integrated Circuit	U8	Bellcore Issue 6	Level I		0.056812	1.00	.5818	0.056812	17602050.48
1315230111	Semiconductor	Q32	Bellcore Issue 6	Level I		0.156479	1.00	1.6025	0.156479	6390621.94
14S2533100	Integrated Circuit	U32	Bellcore Issue 6	Level I		0.056812	1.00	.5818	0.056812	17602050.48
105A580663	Resistor	R52,R58	Bellcore Issue 6	Level I		0.002241	2.00	.0459	0.004482	446199881.37
14S4081110	Integrated Circuit	U21	Bellcore Issue 6	Level I		0.056812	1.00	.5818	0.056812	17602050.48
14S4081110	Integrated Circuit	U25	Bellcore Issue 6	Level I		0.056812	1.00	.5818	0.056812	17602050.48
11E9647680	Capacitor	C128,C130,C255	Bellcore Issue 6	Level I		0.004482	3.00	.1377	0.013447	223099940.69
16515A0997	Connection	DIMM1	Bellcore Issue 6	Level I		0.110275	1.00	1.1293	0.110275	9068260.18
121230805X	Inductor	L15,L16	Bellcore Issue 6	Level I		0.002241	2.00	.0459	0.004482	446199881.37
121230805Z	Inductor	L13	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
1189622189	Capacitor	C286	Bellcore Issue 6	Level I		0.004482	1.00	.0459	0.004482	223099940.69
14S1826100	Integrated Circuit	fq15	Bellcore Issue 6	Level I	7.20	0.095210	1.00	.9751	0.095210	10503070.08
1121501690	Capacitor	C100,C107,C108,C110,C112,C114-C117,C124,C132,C134,C135,C144-C147,C152	Bellcore Issue 6	Level I		0.004482	14.00	.6427	0.062752	223099940.69
1121501690	Capacitor	C154,C157,C167-C178,C184,C185-C187,C188,C190-C196,C20,C200-C202-C214,C21	Bellcore Issue 6	Level I		0.004482	41.00	1.8821	0.183774	223099940.69

AAEON Reliability Prediction Report

Part Number 9697945004
Reference Des
Date 07. 30, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.40



Description
File Name TF-AEC-6920-A1_modify.-
Time 9:42 上午
Failure Rate 9.764560
MTBF 102,411

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1121501690	Capacitor	C216,C22,C220,C228,C229,C27-C-29,C40,C41,C620-C622,C96,C98	Bellcore Issue 6	Level I		0.004482	15.00	.6886	0.067234	223099940.69
1129522790	Capacitor	C121,C122,C151,C413,C417,C425-C76,C79,C83	Bellcore Issue 6	Level I		0.004482	9.00	.4131	0.040341	223099940.69
123131435B	Miscellaneous	Y2	Bellcore Issue 6	Level I		0.150000	1.00	1.5362	0.150000	6666666.67
1231325058	Miscellaneous	Y3	Bellcore Issue 6	Level I		0.150000	1.00	1.5362	0.150000	6666666.67
118961018A	Capacitor	C399	Bellcore Issue 6	Level I		0.004482	1.00	.0459	0.004482	223099940.69
1315313800	Semiconductor	U33	Bellcore Issue 6	Level I		0.078240	1.00	.8013	0.078240	12781243.88
16540M0000	Connection	CN2,CN3	Bellcore Issue 6	Level I		0.121302	2.00	2.4845	0.242604	8243872.89
14S2712000	Integrated Circuit	U34	Bellcore Issue 6	Level I		0.056812	1.00	.5818	0.056812	17602050.48
105A536513	Resistor	R457,R481	Bellcore Issue 6	Level I		0.002241	2.00	.0459	0.004482	446199881.37
1315441014	Semiconductor	Q10,Q34,Q9	Bellcore Issue 6	Level I		0.078240	3.00	2.4038	0.234719	12781243.88
1315441014	Semiconductor	Q35	Bellcore Issue 6	Level I	39.70	0.214957	1.00	2.2014	0.214957	4652088.10
1315600210	Semiconductor	Q22	Bellcore Issue 6	Level I	46.10	0.495045	1.00	5.0698	0.495045	2020019.18
1315600210	Semiconductor	Q24	Bellcore Issue 6	Level I		0.156479	1.00	1.6025	0.156479	6390621.94
106B501032	Resistor	RT2	Bellcore Issue 6	Level I		0.011027	1.00	.1129	0.011027	90682601.81
106B747030	Resistor	RT1	Bellcore Issue 6	Level I		0.011027	1.00	.1129	0.011027	90682601.81
1189615160	Capacitor	C259,C261,C265,C400,C604	Bellcore Issue 6	Level I		0.004482	5.00	.2295	0.022411	223099940.69
1189633160	Capacitor	C104,C145,C183,C19,C30-C37,C5-13,C514,C75,C85-C87	Bellcore Issue 6	Level I		0.004482	18.00	.8263	0.080681	223099940.69
14S3422600	Integrated Circuit	U10	Bellcore Issue 6	Level I	4.10	0.076462	1.00	.7831	0.076462	13078383.25
14S3626200	Integrated Circuit	U24	Bellcore Issue 6	Level I	37.60	0.272043	1.00	2.7860	0.272043	3675887.17
1129622050	Capacitor	C10-C14,C148,C15,C155,C16-C18-C23-C26,C3-C9	Bellcore Issue 6	Level I		0.004482	22.00	1.0099	0.098611	223099940.69
1121647480	Capacitor	C119,C120,C142,C150,C77,C81,C-84,C88,C91-C94	Bellcore Issue 6	Level I		0.004482	12.00	.5508	0.053788	223099940.69
105A540213	Resistor	R462	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
105A514733	Resistor	R450	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
105A526113	Resistor	R479	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
1129647650	Capacitor	C102,C103,C201,C415	Bellcore Issue 6	Level I		0.004482	4.00	.1836	0.017929	223099940.69
1651611991	Connection	U1	Bellcore Issue 6	Level I		0.001103	1.00	.0113	0.001103	906826018.14
14S4294501	Integrated Circuit	U3	Bellcore Issue 6	Level I	21.60	0.124506	1.00	1.2751	0.124506	8031761.35
14S428010D	Integrated Circuit	U4	Bellcore Issue 6	Level I	16.30	0.094430	1.00	.9671	0.094430	10589805.32

AAEON Reliability Prediction Report

Part Number 9697945004
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Environment GF, GU - Ground Fixed, Uncontrolled
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Description
File Name TF-AEC-6920-A1_modify.-
Time 9:42 上午
Failure Rate 9.764560
MTBF 102,411

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
14S9103200	Integrated Circuit	U2	Bellcore Issue 6	Level I		0.056812	1.00	.5818	0.056812	17602050.48
1300581940	Semiconductor	D1,D11,D12,D2	Bellcore Issue 6	Level I		0.023472	4.00	.9615	0.093888	42604146.25
1124515880	Capacitor	C408	Bellcore Issue 6	Level I		0.004482	1.00	.0459	0.004482	223099940.69
1122522890	Capacitor	C111,C113,C125,C126,C153,C158-C97	Bellcore Issue 6	Level I		0.004482	7.00	.3213	0.031376	223099940.69
14S2591200	Integrated Circuit	Q21	Bellcore Issue 6	Level I		0.056812	1.00	.5818	0.056812	17602050.48
105A544213	Resistor	R484	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
1050519114	Resistor	R218,R441	Bellcore Issue 6	Level I		0.002241	2.00	.0459	0.004482	446199881.37
121110156A	Inductor	L17,L31	Bellcore Issue 6	Level I		0.085164	2.00	1.7443	0.170327	11742102.14
121110156A	Inductor	L32	Bellcore Issue 6	Level I		0.103971	1.00	1.0648	0.103971	9618075.46
1211105673	Inductor	L24	Bellcore Issue 6	Level I		0.121650	1.00	1.2458	0.121650	8220283.52
1211105673	Inductor	L26	Bellcore Issue 6	Level I		0.085164	1.00	.8722	0.085164	11742102.14
1050512164	Resistor	R287	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
1050522104	Resistor	R23,R30	Bellcore Issue 6	Level I		0.002241	2.00	.0459	0.004482	446199881.37
1050525504	Resistor	R49	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
1050533034	Resistor	R102	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
1050549904	Resistor	R471	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
105A511523	Resistor	R476	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
105A501413	Resistor	R475	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
105A518213	Resistor	R474	Bellcore Issue 6	Level I		0.002241	1.00	.0230	0.002241	446199881.37
1121533480	Capacitor	C422	Bellcore Issue 6	Level I		0.004482	1.00	.0459	0.004482	223099940.69
1315441012	Semiconductor	Q30,Q31	Bellcore Issue 6	Level I		0.078240	2.00	1.6025	0.156479	12781243.88
105A703329	Resistor	R708,R712,R713,R723,R728,R729	Bellcore Issue 6	Level I		0.002241	6.00	.1377	0.013447	446199881.37
105A704709	Resistor	R731,R733,R734	Bellcore Issue 6	Level I		0.002241	3.00	.0689	0.006723	446199881.37
14S6308001	Integrated Circuit	U37	Bellcore Issue 6	Level I		0.045796	1.00	.4690	0.045796	21836134.72
14S5A00601	Integrated Circuit	U41	Bellcore Issue 6	Level I		0.037931	1.00	.3885	0.037931	26363512.56
1311006910	Semiconductor	Q11,Q12	Bellcore Issue 6	Level I		0.023472	2.00	.4808	0.046944	42604146.25
131411171C	Integrated Circuit	U35	Bellcore Issue 6	Level I		0.056812	1.00	.5818	0.056812	17602050.48
1189622850	Capacitor	C115,C131,C138-C140,C199	Bellcore Issue 6	Level I		0.004482	6.00	.2754	0.026894	223099940.69
14S4825730	Integrated Circuit	U36	Bellcore Issue 6	Level I		0.037931	1.00	.3885	0.037931	26363512.56
14S6204007	Integrated Circuit	FWH1	Bellcore Issue 6	Level I		0.151898	1.00	1.5556	0.151898	6583352.14

AAEON Reliability Prediction Report

Part Number ASS'Y I/O Board T073
Reference Des
Date 07. 30, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description
File Name TF-AEC-6920-A1_modify.-
Time 9:42 上午
Failure Rate 9.983834
MTBF 100,162

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1601123600	Connection	S1	Bellcore Issue 6	Level I		0.002276	1.00	.0228	0.002276	439390135.35
1653003100	Connection	J1,J2,JP1-JP3	Bellcore Issue 6	Level I		0.001707	5.00	.0855	0.008535	585853513.81
1653003101	Connection	JP7-JP9	Bellcore Issue 6	Level I		0.001707	3.00	.0513	0.005121	585853513.81
1653003201	Connection	JP4-JP6	Bellcore Issue 6	Level I		0.003414	3.00	.1026	0.010241	292926756.90
1653300100	Connection	J1,J2,JP1-JP3	Bellcore Issue 6	Level I		0.001138	5.00	.0570	0.005690	878780270.71
1653300102	Connection	JP4-JP9	Bellcore Issue 6	Level I		0.001138	6.00	.0684	0.006828	878780270.71
1654418100	Connection	COM1,COM2	Bellcore Issue 6	Level I		0.005121	2.00	.1026	0.010241	195284504.60
1654604300	Connection	CN11	Bellcore Issue 6	Level I		0.002276	1.00	.0228	0.002276	439390135.35
1654808300	Connection	USB1,USB2	Bellcore Issue 6	Level I		0.004552	2.00	.0912	0.009104	219695067.68
1750119011	Miscellaneous	BT1	Bellcore Issue 6	Level I		0.900000	1.00	9.0146	0.900000	1111111.11
1655003010	Connection	CN3	Bellcore Issue 6	Level I		0.001707	1.00	.0171	0.001707	585853513.81
1655103010	Connection	J3	Bellcore Issue 6	Level I		0.001707	1.00	.0171	0.001707	585853513.81
1653900034	Connection	CFD1	Bellcore Issue 6	Level I		0.001138	1.00	.0114	0.001138	878780270.71
16540F0201	Connection	CN5	Bellcore Issue 6	Level I		0.085346	1.00	.8548	0.085346	11717070.28
1654609300	Connection	Audio	Bellcore Issue 6	Level I		0.005121	1.00	.0513	0.005121	195284504.60
1111610194	Capacitor	C1,C10,C105,C109,C2,C232,C239- C245,C254,C3,C33-C35,C4,C50,C- 66	Bellcore Issue 6	Level I		0.042673	16.00	6.8387	0.682765	23434140.55
1750220323	Connection	BT1	Bellcore Issue 6	Level I		0.001138	1.00	.0114	0.001138	878780270.71
1654606306	Connection	CN4	Bellcore Issue 6	Level I		0.003414	1.00	.0342	0.003414	292926756.90
1111610211	Capacitor	EC4	Bellcore Issue 6	Level I		0.071121	1.00	.7124	0.071121	14060484.33
1304451400	Semiconductor	D1	Bellcore Issue 6	Level I		0.004877	1.00	.0488	0.004877	205063180.81
1652003101	Connection	CN1	Bellcore Issue 6	Level I		0.001707	1.00	.0171	0.001707	585853513.81
1654282201	Connection	CN2	Bellcore Issue 6	Level I		0.093311	1.00	.9346	0.093311	10716832.57
1654260207	Connection	PCI1	Bellcore Issue 6	Level I		0.068276	1.00	.6839	0.068276	14646337.85
111961029H	Capacitor	EC14,EC15	Bellcore Issue 6	Level I		0.071121	2.00	1.4247	0.142243	14060484.33
1189647193	Capacitor	EC18,EC19	Bellcore Issue 6	Level I		0.004535	2.00	.0909	0.009071	220487045.01
1181647110	Capacitor	EC1,EC11-EC13,EC2,EC3	Bellcore Issue 6	Level I		0.004535	6.00	.2726	0.027212	220487045.01
1655102010	Connection	SW1	Bellcore Issue 6	Level I		0.001138	1.00	.0114	0.001138	878780270.71
1652514209	Connection	CN6,CN9	Bellcore Issue 6	Level I		0.007966	2.00	.1596	0.015931	125540038.67
1654907004	Connection	SATA1	Bellcore Issue 6	Level I		0.003983	1.00	.0399	0.003983	251080077.35

AAEON Reliability Prediction Report

Part Number ASS'Y I/O Board T073
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Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description
File Name TF-AEC-6920-A1_modify.-
Time 9:42 上午
Failure Rate 9.983834
MTBF 100,162

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A733003	Resistor	R10,R122,R159,R160,R191,R225,-R9	Bellcore Issue 6	Level I		0.002268	7.00	.1590	0.015874	440974090.03
105A701033	Resistor	R108,R112,R124,R133,R140,R156-,R17,R176,R177,R179-R181,R184,-R197,R209	Bellcore Issue 6	Level I		0.002268	15.00	.3407	0.034016	440974090.03
105A701033	Resistor	R216,R279,R297,R366-R369,R371-,R372,R38,R8,R87	Bellcore Issue 6	Level I		0.002268	12.00	.2726	0.027212	440974090.03
1059501001	Resistor	R50	Bellcore Issue 6	Level I		0.002268	1.00	.0227	0.002268	440974090.03
1059700001	Resistor	R60,R68	Bellcore Issue 6	Level I		0.002268	2.00	.0454	0.004535	440974090.03
1059700101	Resistor	R40	Bellcore Issue 6	Level I		0.002268	1.00	.0227	0.002268	440974090.03
1059710051	Resistor	R37	Bellcore Issue 6	Level I		0.013606	1.00	.1363	0.013606	73495681.67
105A502033	Resistor	R12,R31	Bellcore Issue 6	Level I		0.002268	2.00	.0454	0.004535	440974090.03
105A503033	Resistor	R316	Bellcore Issue 6	Level I		0.002268	1.00	.0227	0.002268	440974090.03
105A503323	Resistor	R335,R336,R345,R349,R353,R361	Bellcore Issue 6	Level I		0.002268	6.00	.1363	0.013606	440974090.03
105A510003	Resistor	R170	Bellcore Issue 6	Level I		0.002268	1.00	.0227	0.002268	440974090.03
105A512413	Resistor	R189,R190	Bellcore Issue 6	Level I		0.002268	2.00	.0454	0.004535	440974090.03
105A515003	Resistor	R248,R251,R252,R267,R330,R331	Bellcore Issue 6	Level I		0.002268	6.00	.1363	0.013606	440974090.03
105A524913	Resistor	R187	Bellcore Issue 6	Level I		0.002268	1.00	.0227	0.002268	440974090.03
105A549913	Resistor	R352	Bellcore Issue 6	Level I		0.002268	1.00	.0227	0.002268	440974090.03
105A549963	Resistor	R129,R130,R132,R134,R136,R138-,R141-R145,R149,R165,R166,R168-,R172,R173	Bellcore Issue 6	Level I		0.002268	17.00	.3861	0.038551	440974090.03
105A549963	Resistor	R175,R178,R186,R193,R194	Bellcore Issue 6	Level I		0.002268	5.00	.1136	0.011339	440974090.03
105A702233	Resistor	R218,R219,R229,R231,R241,R291-,R35,R363	Bellcore Issue 6	Level I		0.002268	8.00	.1817	0.018142	440974090.03
105A703903	Resistor	R253,R258,R282-R289	Bellcore Issue 6	Level I		0.002268	10.00	.2271	0.022677	440974090.03
105A704733	Resistor	R106,R21,R39,R5,R62,R73	Bellcore Issue 6	Level I		0.002268	6.00	.1363	0.013606	440974090.03
105A705133	Resistor	R303	Bellcore Issue 6	Level I		0.002268	1.00	.0227	0.002268	440974090.03
105A710033	Resistor	R24,R262,R269,R362	Bellcore Issue 6	Level I		0.002268	4.00	.0909	0.009071	440974090.03
105A747033	Resistor	R57,R95	Bellcore Issue 6	Level I		0.002268	2.00	.0454	0.004535	440974090.03
105A756033	Resistor	R56,R96	Bellcore Issue 6	Level I		0.002268	2.00	.0454	0.004535	440974090.03
1212306032	Inductor	FB2,FB22-FB29,FB33,FB38,FB4,F-B42,FB46,FB5,FB7	Bellcore Issue 6	Level I		0.002268	16.00	.3634	0.036283	440974090.03
1233324050	Miscellaneous	OSC1	Bellcore Issue 6	Level I		0.360000	1.00	3.6058	0.360000	2777777.78

AAEON Reliability Prediction Report

Part Number ASS'Y I/O Board T073
Reference Des
Date 07. 30, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description
File Name TF-AEC-6920-A1_modify.-
Time 9:42 上午
Failure Rate 9.983834
MTBF 100,162

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1124422080	Capacitor	C356,C360,C385,C386	Bellcore Issue 6	Level I		0.004535	4.00	.1817	0.018142	220487045.01
1124405080	Capacitor	C291,C292,C375,C377-C379	Bellcore Issue 6	Level I		0.004535	6.00	.2726	0.027212	220487045.01
1124510080	Capacitor	C16,C353,C40	Bellcore Issue 6	Level I		0.004535	3.00	.1363	0.013606	220487045.01
1124510280	Capacitor	C110,C28,C359,C362,C60	Bellcore Issue 6	Level I		0.004535	5.00	.2271	0.022677	220487045.01
1124522180	Capacitor	C30,C37	Bellcore Issue 6	Level I		0.004535	2.00	.0909	0.009071	220487045.01
1124533080	Capacitor	C90,C91	Bellcore Issue 6	Level I		0.004535	2.00	.0909	0.009071	220487045.01
1124547080	Capacitor	C259,C262,C263,C266,C267,C273-C274,C276,C284,C286	Bellcore Issue 6	Level I		0.004535	10.00	.4543	0.045354	220487045.01
1124547180	Capacitor	C42,C46,C48,C55	Bellcore Issue 6	Level I		0.004535	4.00	.1817	0.018142	220487045.01
1300003240	Semiconductor	D25	Bellcore Issue 6	Level I		0.023881	1.00	.2392	0.023881	41874327.58
1124547280	Capacitor	C265,C270,C277,C285	Bellcore Issue 6	Level I		0.004535	4.00	.1817	0.018142	220487045.01
1540710080	Resistor	RP2-RP9	Bellcore Issue 6	Level I		0.006246	8.00	.5005	0.049968	160102772.00
1301005440	Semiconductor	D12,D18,D4,D7	Bellcore Issue 6	Level I		0.023881	4.00	.9568	0.095524	41874327.58
1301005441	Semiconductor	D19,D26	Bellcore Issue 6	Level I		0.023881	2.00	.4784	0.047762	41874327.58
1540782280	Resistor	RP1	Bellcore Issue 6	Level I		0.006246	1.00	.0626	0.006246	160102772.00
1310390410	Semiconductor	Q1	Bellcore Issue 6	Level I		0.023881	1.00	.2392	0.023881	41874327.58
1311390610	Semiconductor	Q2	Bellcore Issue 6	Level I		0.023881	1.00	.2392	0.023881	41874327.58
14S4070610	Integrated Circuit	U13	Bellcore Issue 6	Level I		0.059366	1.00	.5946	0.059366	16844654.92
1651203291	Connection	U37	Bellcore Issue 6	Level I		0.001138	1.00	.0114	0.001138	878780270.71
14S4911216	Integrated Circuit	U11	Bellcore Issue 6	Level I		0.039296	1.00	.3936	0.039296	25448028.36
14S4048501	Integrated Circuit	U23,U27	Bellcore Issue 6	Level I		0.059366	2.00	1.1892	0.118732	16844654.92
1301005442	Semiconductor	D13,D15,D2	Bellcore Issue 6	Level I		0.023881	3.00	.7176	0.071643	41874327.58
14S4021310	Integrated Circuit	U18,U21,U29,U30	Bellcore Issue 6	Level I		0.059366	4.00	2.3785	0.237464	16844654.92
1315700211	Semiconductor	Q17,Q3,Q4,Q8	Bellcore Issue 6	Level I		0.079603	4.00	3.1893	0.318413	12562298.27
14S5A01400	Integrated Circuit	U26	Bellcore Issue 6	Level I		0.059366	1.00	.5946	0.059366	16844654.92
105A556223	Resistor	R82	Bellcore Issue 6	Level I		0.002268	1.00	.0227	0.002268	440974090.03
14S5A00700	Integrated Circuit	U10	Bellcore Issue 6	Level I		0.037889	1.00	.3795	0.037889	26392869.26
105A512033	Resistor	R32	Bellcore Issue 6	Level I		0.002268	1.00	.0227	0.002268	440974090.03
105A733033	Resistor	R200	Bellcore Issue 6	Level I		0.002268	1.00	.0227	0.002268	440974090.03
1124533180	Capacitor	C234	Bellcore Issue 6	Level I		0.004535	1.00	.0454	0.004535	220487045.01
1121547661	Capacitor	C12,C222,C228	Bellcore Issue 6	Level I		0.004535	3.00	.1363	0.013606	220487045.01

AAEON Reliability Prediction Report

Part Number ASS'Y I/O Board T073
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Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description
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Time 9:42 上午
Failure Rate 9.983834
MTBF 100,162

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A524303	Resistor	R22	Bellcore Issue 6	Level I		0.002268	1.00	.0227	0.002268	440974090.03
14S3020100	Integrated Circuit	U24	Bellcore Issue 6	Level I		0.059366	1.00	.5946	0.059366	16844654.92
1124701780	Capacitor	C43	Bellcore Issue 6	Level I		0.004535	1.00	.0454	0.004535	220487045.01
1123710090	Capacitor	C331,C333,C412	Bellcore Issue 6	Level I		0.004535	3.00	.1363	0.013606	220487045.01
105A503300	Resistor	R154,R155,R157,R158,R182,R183	Bellcore Issue 6	Level I		0.002268	6.00	.1363	0.013606	440974090.03
1121610180	Capacitor	C242,C243,C247,C249,C258,C334-C41	Bellcore Issue 6	Level I		0.004535	7.00	.3180	0.031748	220487045.01
105A504703	Resistor	R340,R342,R344	Bellcore Issue 6	Level I		0.002268	3.00	.0681	0.006803	440974090.03
105A536503	Resistor	R206	Bellcore Issue 6	Level I		0.002268	1.00	.0227	0.002268	440974090.03
14S2221600	Integrated Circuit	U8	Bellcore Issue 6	Level I		0.059366	1.00	.5946	0.059366	16844654.92
105A506823	Resistor	R243,R260,R311,R318	Bellcore Issue 6	Level I		0.002268	4.00	.0909	0.009071	440974090.03
105A704729	Resistor	R204,R210	Bellcore Issue 6	Level I		0.002268	2.00	.0454	0.004535	440974090.03
105A700009	Resistor	R205,R208	Bellcore Issue 6	Level I		0.002268	2.00	.0454	0.004535	440974090.03
1129701690	Capacitor	C100-C103,C111-C114,C116-C122-C125-C128,C131,C135,C144,C145-C150,C153	Bellcore Issue 6	Level I		0.004535	25.00	1.1357	0.113385	220487045.01
1129701690	Capacitor	C163-C166,C17,C170-C172,C18,C184,C19,C195,C196,C198,C200,C202-C206,C21	Bellcore Issue 6	Level I		0.004535	21.00	.9540	0.095244	220487045.01
1129701690	Capacitor	C211,C215,C218,C22,C227,C230,-C233,C235-C238,C24,C240,C244,-C25,C251-C253	Bellcore Issue 6	Level I		0.004535	18.00	.8177	0.081637	220487045.01
1129701690	Capacitor	C255-C257,C264,C268,C271,C272-C278-C282,C287-C290,C294,C298-C301,C304	Bellcore Issue 6	Level I		0.004535	22.00	.9994	0.099779	220487045.01
1129701690	Capacitor	C305,C306,C308-C311,C313-C318-C320,C322,C324,C325,C328,C330-C332,C343	Bellcore Issue 6	Level I		0.004535	20.00	.9086	0.090708	220487045.01
1129701690	Capacitor	C346,C350,C352,C354,C358,C361-C363,C365-C367,C369-C374,C38,-C381-C384,C387	Bellcore Issue 6	Level I		0.004535	22.00	.9994	0.099779	220487045.01
1129701690	Capacitor	C388,C390,C392,C394,C396-C398-C400-C402,C405,C408,C44,C45,C47,C49,C5,C52	Bellcore Issue 6	Level I		0.004535	18.00	.8177	0.081637	220487045.01
1129701690	Capacitor	C56,C67,C7,C70-C74,C76,C77,C8,-C81-C83,C86,C9,C93,C94,C99	Bellcore Issue 6	Level I		0.004535	19.00	.8631	0.086173	220487045.01
1129701790	Capacitor	C219,C224	Bellcore Issue 6	Level I		0.004535	2.00	.0909	0.009071	220487045.01

AAEON Reliability Prediction Report

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



Description
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Time 9:42 上午
Failure Rate 9.983834
MTBF 100,162

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
14S5A00401	Integrated Circuit	U28	Bellcore Issue 6	Level I		0.039296	1.00	.3936	0.039296	25448028.36
105A539203	Resistor	R23	Bellcore Issue 6	Level I		0.002268	1.00	.0227	0.002268	440974090.03
1301053040	Semiconductor	D5	Bellcore Issue 6	Level I		0.023881	1.00	.2392	0.023881	41874327.58
1144647680	Capacitor	C20,C221	Bellcore Issue 6	Level I		0.004535	2.00	.0909	0.009071	220487045.01
105A702263	Resistor	R246,R308	Bellcore Issue 6	Level I		0.002268	2.00	.0454	0.004535	440974090.03
1315970110	Semiconductor	U3,U5,U9	Bellcore Issue 6	Level I		0.079603	3.00	2.3920	0.238810	12562298.27
1759100006	Miscellaneous	BZ1	Bellcore Issue 6	Level I		0.150000	1.00	1.5024	0.150000	6666666.67
1315002010	Semiconductor	Q23,Q24	Bellcore Issue 6	Level I		0.079603	2.00	1.5946	0.159207	12562298.27
105A547503	Resistor	R185	Bellcore Issue 6	Level I		0.002268	1.00	.0227	0.002268	440974090.03
14S5A12503	Integrated Circuit	U25	Bellcore Issue 6	Level I		0.039296	1.00	.3936	0.039296	25448028.36
105A515033	Resistor	R88	Bellcore Issue 6	Level I		0.002268	1.00	.0227	0.002268	440974090.03
106B501031	Resistor	RT1-RT3	Bellcore Issue 6	Level I		0.011379	3.00	.3419	0.034138	87878027.07
1311006910	Semiconductor	Q28,Q29	Bellcore Issue 6	Level I		0.023881	2.00	.4784	0.047762	41874327.58
1301002240	Semiconductor	D16,D17	Bellcore Issue 6	Level I		0.023881	2.00	.4784	0.047762	41874327.58
1314193110	Integrated Circuit	U1	Bellcore Issue 6	Level I		0.059366	1.00	.5946	0.059366	16844654.92
1654262300	Connection	MPC11	Bellcore Issue 6	Level I		0.070552	1.00	.7067	0.070552	14173875.33
105A515433	Resistor	R18	Bellcore Issue 6	Level I		0.002268	1.00	.0227	0.002268	440974090.03
121230805L	Inductor	L11,L12	Bellcore Issue 6	Level I		0.002268	2.00	.0454	0.004535	440974090.03
105A705153	Resistor	R19,R20	Bellcore Issue 6	Level I		0.013606	2.00	.2726	0.027212	73495681.67
1653925216	Connection	CFD1	Bellcore Issue 6	Level I		0.028449	1.00	.2849	0.028449	35151210.83
16540F0200	Connection	CN5	Bellcore Issue 6	Level I		0.085346	1.00	.8548	0.085346	11717070.28
14S4142001	Integrated Circuit	U4	Bellcore Issue 6	Level I		0.059366	1.00	.5946	0.059366	16844654.92
1121701080	Capacitor	C173-C176,C207-C210,C214,C217-C295,C297,C32,C329,C335-C340,-C348,C351,C355	Bellcore Issue 6	Level I		0.004535	23.00	1.0448	0.104315	220487045.01
1121701080	Capacitor	C357,C364,C368,C409,C411,C57	Bellcore Issue 6	Level I		0.004535	6.00	.2726	0.027212	220487045.01
1124522290	Capacitor	C220	Bellcore Issue 6	Level I		0.004535	1.00	.0454	0.004535	220487045.01
105A502039	Resistor	R199	Bellcore Issue 6	Level I		0.002268	1.00	.0227	0.002268	440974090.03
1054600289	Resistor	R118,R93	Bellcore Issue 6	Level I		0.002268	2.00	.0454	0.004535	440974090.03
1315030210	Semiconductor	Q25	Bellcore Issue 6	Level I		0.000000	1.00	.0000	0.000000	.00
105A518223	Resistor	R135	Bellcore Issue 6	Level I		0.002268	1.00	.0227	0.002268	440974090.03

AAEON Reliability Prediction Report

Part Number ASS'Y I/O Board T073
Reference Des
Date 07. 30, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00

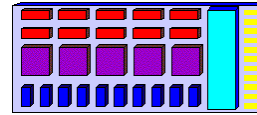


Description
File Name TF-AEC-6920-A1_modify.-
Time 9:42 上午
Failure Rate 9.983834
MTBF 100,162

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1315441012	Semiconductor	Q22	Bellcore Issue 6	Level I		0.079603	1.00	.7973	0.079603	12562298.27
105A547523	Resistor	R86	Bellcore Issue 6	Level I		0.002268	1.00	.0227	0.002268	440974090.03
1129610051	Capacitor	C109,C129,C168,C201,C23,C231,-C241,C246,C27,C29,C296,C344,C-345,C347,C349	Bellcore Issue 6	Level I		0.004535	15.00	.6814	0.068031	220487045.01
1129610051	Capacitor	C36,C395,C406,C53,C6,C75,C80,-C84,C87,C88,C92	Bellcore Issue 6	Level I		0.004535	11.00	.4997	0.049890	220487045.01
1121722090	Capacitor	C31	Bellcore Issue 6	Level I		0.004535	1.00	.0454	0.004535	220487045.01
1315700310	Semiconductor	Q21	Bellcore Issue 6	Level I		0.079603	1.00	.7973	0.079603	12562298.27
14S3065500	Integrated Circuit	U32	Bellcore Issue 6	Level I		0.059366	1.00	.5946	0.059366	16844654.92
14S5A12505	Integrated Circuit	U22	Bellcore Issue 6	Level I		0.059366	1.00	.5946	0.059366	16844654.92
1315177810	Semiconductor	U2	Bellcore Issue 6	Level I		0.000000	1.00	.0000	0.000000	.00
105A534823	Resistor	R188	Bellcore Issue 6	Level I		0.002268	1.00	.0227	0.002268	440974090.03
1301003640	Semiconductor	D10,D20,D22,D23,D8,D9	Bellcore Issue 6	Level I		0.023881	6.00	1.4352	0.143286	41874327.58
1301003440	Semiconductor	D14	Bellcore Issue 6	Level I		0.023881	1.00	.2392	0.023881	41874327.58
14S4871203	Integrated Circuit	U33	Bellcore Issue 6	Level I		0.039296	1.00	.3936	0.039296	25448028.36
1315567010	Semiconductor	Q26	Bellcore Issue 6	Level I		0.079603	1.00	.7973	0.079603	12562298.27
1315567011	Semiconductor	Q10,Q11,Q16,Q18,Q19,Q27,Q5-Q7-Q9	Bellcore Issue 6	Level I		0.079603	10.00	7.9732	0.796033	12562298.27
11E9647680	Capacitor	C389,C391,C393,C399,C403,C404-C407	Bellcore Issue 6	Level I		0.004535	7.00	.3180	0.031748	220487045.01
121230603S	Inductor	L10	Bellcore Issue 6	Level I		0.002268	1.00	.0227	0.002268	440974090.03
14S4650601	Integrated Circuit	U20	Bellcore Issue 6	Level I		0.059366	1.00	.5946	0.059366	16844654.92
1315442910	Semiconductor	Q20	Bellcore Issue 6	Level I		0.079603	1.00	.7973	0.079603	12562298.27
1231325058	Miscellaneous	Y2	Bellcore Issue 6	Level I		0.150000	1.00	1.5024	0.150000	6666666.67
1050597623	Resistor	R131	Bellcore Issue 6	Level I		0.002268	1.00	.0227	0.002268	440974090.03
14S3372800	Integrated Circuit	U6	Bellcore Issue 6	Level I		0.059366	1.00	.5946	0.059366	16844654.92
14S4910400	Integrated Circuit	U15	Bellcore Issue 6	Level I		0.039296	1.00	.3936	0.039296	25448028.36
1231324555	Miscellaneous	Y3	Bellcore Issue 6	Level I		0.150000	1.00	1.5024	0.150000	6666666.67
14S4121601	Integrated Circuit	U19	Bellcore Issue 6	Level I		0.039296	1.00	.3936	0.039296	25448028.36
14S5A00601	Integrated Circuit	U36	Bellcore Issue 6	Level I		0.039296	1.00	.3936	0.039296	25448028.36
16540M0200	Connection	CN7,CN8	Bellcore Issue 6	Level I		0.125173	2.00	2.5075	0.250347	7988911.55
1654030001	Connection	CN12	Bellcore Issue 6	Level I		0.017069	1.00	.1710	0.017069	58585351.38

AAEON Reliability Prediction Report

Part Number ASS'Y I/O Board T073
Reference Des
Date 07. 30, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description
File Name TF-AEC-6920-A1_modify.-
Time 9:42 上午
Failure Rate 9.983834
MTBF 100,162

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1059700201	Resistor	R357,R358	Bellcore Issue 6	Level I		0.002268	2.00	.0454	0.004535	440974090.03
1122522890	Capacitor	C223	Bellcore Issue 6	Level I		0.004535	1.00	.0454	0.004535	220487045.01
121110336H	Inductor	L6,L9	Bellcore Issue 6	Level I		0.086173	2.00	1.7262	0.172346	11604581.32
11C4501060	Capacitor	C229	Bellcore Issue 6	Level I		0.004535	1.00	.0454	0.004535	220487045.01
11C1522480	Capacitor	C225,C226	Bellcore Issue 6	Level I		0.004535	2.00	.0909	0.009071	220487045.01
121110100K	Inductor	L1,L2	Bellcore Issue 6	Level I		0.002268	2.00	.0454	0.004535	440974090.03
1053500279	Resistor	CR1,CR2	Bellcore Issue 6	Level I		0.002268	2.00	.0454	0.004535	440974090.03
14S3378000	Integrated Circuit	U17	Bellcore Issue 6	Level I		0.059366	1.00	.5946	0.059366	16844654.92
14S4825730	Integrated Circuit	U34	Bellcore Issue 6	Level I		0.039296	1.00	.3936	0.039296	25448028.36
14S6308001	Integrated Circuit	U35	Bellcore Issue 6	Level I		0.047855	1.00	.4793	0.047855	20896551.49
1211102266	Inductor	L7,L8	Bellcore Issue 6	Level I		0.002268	2.00	.0454	0.004535	440974090.03
1314108517	Integrated Circuit	U16	Bellcore Issue 6	Level I		0.059366	1.00	.5946	0.059366	16844654.92
1300005440	Semiconductor	D6	Bellcore Issue 6	Level I		0.023881	1.00	.2392	0.023881	41874327.58
1189647184	Capacitor	EC10,EC9	Bellcore Issue 6	Level I		0.004535	2.00	.0909	0.009071	220487045.01
1142547080	Capacitor	C302,C303,EC16,EC17,EC6-EC8	Bellcore Issue 6	Level I		0.004535	7.00	.3180	0.031748	220487045.01

