

AEC-6911

Reliability Prediction Report

(MTBF)

Report NO : 09P070005

05-08-2009

Issue Date

Wenyuan Yang

Manager

Jessica Chou

Test Engineer

Reliability Prediction (MTBF)

I . **Model Name:** TF-AEC-6911-A1-1010

II . **Prediction Date:** May 8th, 2009

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: 20.1 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-6911-A1-1010 (Not include DDRII memory):
Failure Rate: 21.780091 ppm
MTBF: 45,913 Hours
- Below components MTBF value were provided by the suppliers:
(TF)1G DDRII 667MHZ.200PIN ELPIDA(64MX8)
- MTBF: 6.26×10^6 hours/25°C

AAEON Reliability Prediction Report

Part Number System
Reference Des
Date 05. 8, 2009
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 20.10



Description Top-level assembly
File Name AEC-6911-A1-1010.RPJ
Time 1:53 下午
Failure Rate 21.780091
MTBF 45,913

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
TF-AEC-6911-A1-1010	System	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled	100.00	1.00	21.78	45913.49
PER-R07P-A11	9697R07P04-DIP	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled		1.00	.38	2640086.97
I/O Board T073-A12	9697T0730B-D	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled		1.00	10.61	94292.44
CPU Board - COM-945GSE-A10	9697945G02-D	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled		1.00	10.80	92634.32

AAEON Reliability Prediction Report

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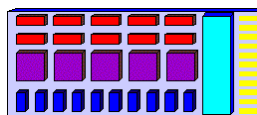


Description Top-level assembly
File Name AEC-6911-A1-1010.RPJ
Time 1:53 下午
Failure Rate 21.780091
MTBF 45,913

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1602606D00	Connection	ROCKER SWITCH	Telcordia Issue 1	Level I		1.00	0.000877	100.0000	1140087595.36

AAEON Reliability Prediction Report

Part Number 9697T0730B-D
Reference Des
Date 05. 8, 2009
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 20.10

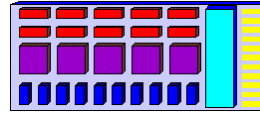


Description
File Name AEC-6911-A1-1010.RPJ
Time 1:53 下午
Failure Rate 10.605304
MTBF 94,292

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1759100006	Miscellaneous	BZ1	Telcordia Issue 1	Level I		1.00	0.150000	1.4144	6666666.67
1653925216	Connection	CFD1	Telcordia Issue 1	Level I		1.00	0.021928	.2068	45603503.81
16540F0200	Connection	CN5	Telcordia Issue 1	Level I		1.00	0.065784	.6203	15201167.94
16540M0201	Connection	CN7,CN8	Telcordia Issue 1	Level I		2.00	0.096484	1.8195	10364432.69
1053500279	Resistor	CR1,CR2	Telcordia Issue 1	Level I		2.00	0.002057	.0388	486194222.28
1129701690	Capacitor	C100,C101,C102, C103,C111,C112, C113,C114,C116, C117,C118,C119, C120,C121,C122, C125,C126,C127, C128,C131,C135, C144,C145,C150, C153,C163,C165, C170,C171,C172, C195,C196,C202, C203,C204,C205, C206,C218,C227,	Telcordia Issue 1	Level I		148.00	0.004114	5.7406	243097111.14
1121547661	Capacitor	C12,C222,C228	Telcordia Issue 1	Level I		3.00	0.004114	.1164	243097111.14
1124701650	Capacitor	C13	Telcordia Issue 1	Level I		1.00	0.004114	.0388	243097111.14
1125501760	Capacitor	C15	Telcordia Issue 1	Level I		1.00	0.004114	.0388	243097111.14
1124510080	Capacitor	C16,C353,C40	Telcordia Issue 1	Level I		3.00	0.004114	.1164	243097111.14
1144647680	Capacitor	C20,C221	Telcordia Issue 1	Level I		2.00	0.004114	.0776	243097111.14
1124522180	Capacitor	C30	Telcordia Issue 1	Level I		1.00	0.004114	.0388	243097111.14
1121722090	Capacitor	C31	Telcordia Issue 1	Level I		1.00	0.004114	.0388	243097111.14
1121701080	Capacitor	C173,C174,C175, C176,C207,C208, C209,C210,C214, C217,C295,C297,C32, C329,C335,C336, C337,C338,C339, C340,C348,C351, C355,C357,C364, C368,C409,C411,C57	Telcordia Issue 1	Level I		29.00	0.004114	1.1249	243097111.14
1143610080	Capacitor	C107,C312,C54	Telcordia Issue 1	Level I		3.00	0.004114	.1164	243097111.14
1121610180	Capacitor	C242,C243,C247, C249,C258,C334, C421	Telcordia Issue 1	Level I		7.00	0.004114	.2715	243097111.14
1124701780	Capacitor	C420,C43	Telcordia Issue 1	Level I		2.00	0.004114	.0776	243097111.14
1124510280	Capacitor	C110,C359,C362,C60	Telcordia Issue 1	Level I		4.00	0.005291	.1995	189013329.52
1124422080	Capacitor	C356,C360,C385, C386	Telcordia Issue 1	Level I		4.00	0.005291	.1995	189013329.52

AAEON Reliability Prediction Report

Part Number 9697T0730B-D
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Temp. (°C) 20.10



Description
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Time 1:53 下午
Failure Rate 10.605304
MTBF 94,292

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1129747650	Capacitor	C260,C69,C78,C85, C89	Telcordia Issue 1	Level I		5.00	0.005291	.2494	189013329.52
1124533080	Capacitor	C90,C91	Telcordia Issue 1	Level I		2.00	0.004114	.0776	243097111.14
1189647184	Capacitor	EC10,EC9	Telcordia Issue 1	Level I		2.00	0.004114	.0776	243097111.14
1129701790	Capacitor	C219,C224	Telcordia Issue 1	Level I		2.00	0.004114	.0776	243097111.14
1124522290	Capacitor	C220	Telcordia Issue 1	Level I		1.00	0.004114	.0388	243097111.14
1122522890	Capacitor	C223	Telcordia Issue 1	Level I		1.00	0.004114	.0388	243097111.14
11C1522480	Capacitor	C225,C226	Telcordia Issue 1	Level I		2.00	0.004114	.0776	243097111.14
11C4501060	Capacitor	C229	Telcordia Issue 1	Level I		1.00	0.004114	.0388	243097111.14
1124533180	Capacitor	C234,C42,C46,C48, C55	Telcordia Issue 1	Level I		5.00	0.004114	.1939	243097111.14
1124547280	Capacitor	C265,C270,C277, C285	Telcordia Issue 1	Level I		4.00	0.005291	.1995	189013329.52
1124547080	Capacitor	C259,C262,C263, C266,C267,C273, C274,C276,C284, C286	Telcordia Issue 1	Level I		10.00	0.004114	.3879	243097111.14
1124405080	Capacitor	C291,C292,C375, C377,C378,C379	Telcordia Issue 1	Level I		6.00	0.005291	.2993	189013329.52
1142547080	Capacitor	EC16,EC17,EC6,EC7, EC8	Telcordia Issue 1	Level I		5.00	0.004114	.1939	243097111.14
1123710090	Capacitor	C331,C333,C412, C418	Telcordia Issue 1	Level I		4.00	0.004114	.1552	243097111.14
11E9647680	Capacitor	C389,C391,C393, C399,C403,C404, C407	Telcordia Issue 1	Level I		7.00	0.004114	.2715	243097111.14
1129610260	Capacitor	C417	Telcordia Issue 1	Level I		1.00	0.004114	.0388	243097111.14
1301005442	Semiconductor	D13,D15,D2	Telcordia Issue 1	Level I		3.00	0.020695	.5854	48320309.06
1301005440	Semiconductor	D12,D18,D4,D7	Telcordia Issue 1	Level I		4.00	0.020695	.7806	48320309.06
1301053040	Semiconductor	D5	Telcordia Issue 1	Level I		1.00	0.020695	.1951	48320309.06
1301003640	Semiconductor	D10,D22,D23,D9	Telcordia Issue 1	Level I		4.00	0.020695	.7806	48320309.06
1301003440	Semiconductor	D14	Telcordia Issue 1	Level I		1.00	0.020695	.1951	48320309.06
1301002240	Semiconductor	D16,D17	Telcordia Issue 1	Level I		2.00	0.020695	.3903	48320309.06
1301005441	Semiconductor	D19,D26	Telcordia Issue 1	Level I		2.00	0.024681	.4655	40516185.19
1300003240	Semiconductor	D25	Telcordia Issue 1	Level I		1.00	0.020695	.1951	48320309.06
1212306032	Inductor	FB22,FB23,FB24, FB25,FB26,FB27, FB28,FB29,FB33, FB38,FB42,FB46	Telcordia Issue 1	Level I		12.00	0.002057	.2327	486194222.28
121110100K	Inductor	L1,L2	Telcordia Issue 1	Level I		2.00	0.002057	.0388	486194222.28
121110336H	Inductor	L9	Telcordia Issue 1	Level I	15.30	1.00	0.104928	.9894	9530349.13
1211102266	Inductor	L7	Telcordia Issue 1	Level I	15.70	1.00	0.002782	.0262	359515987.65
1211102266	Inductor	L8	Telcordia Issue 1	Level I	18.40	1.00	0.002921	.0275	342377695.36
121230603S	Inductor	L10	Telcordia Issue 1	Level I		1.00	0.002057	.0194	486194222.28
121230805L	Inductor	L11,L12	Telcordia Issue 1	Level I		2.00	0.002057	.0388	486194222.28

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Reference Des
Date 05. 8, 2009
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 20.10

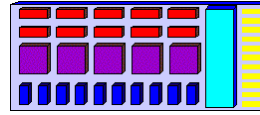


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Time 1:53 下午
Failure Rate 10.605304
MTBF 94,292

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate,%	MTBF, Unit
1654262300	Connection	MPC11	Telcordia Issue 1	Level I		1.00	0.054382	.5128	18388509.60
1233324050	Miscellaneous	OSC1	Telcordia Issue 1	Level I		1.00	0.360000	3.3945	2777777.78
1310390410	Semiconductor	Q1	Telcordia Issue 1	Level I		1.00	0.020695	.1951	48320309.06
1315700211	Semiconductor	Q12,Q13,Q14,Q17,Q3, Q8	Telcordia Issue 1	Level I		6.00	0.068984	3.9028	14496092.72
1315567011	Semiconductor	Q10,Q16,Q18, Q19,Q27,Q7,Q9	Telcordia Issue 1	Level I		7.00	0.068984	4.5533	14496092.72
1315567011	Semiconductor	Q11	Telcordia Issue 1	Level I	20.00	1.00	0.120313	1.1345	8311659.55
1311006910	Semiconductor	Q28,Q29	Telcordia Issue 1	Level I		2.00	0.020695	.3903	48320309.06
1315442910	Semiconductor	Q20	Telcordia Issue 1	Level I		1.00	0.068984	.6505	14496092.72
1315700310	Semiconductor	Q21	Telcordia Issue 1	Level I		1.00	0.068984	.6505	14496092.72
1315441012	Semiconductor	Q22	Telcordia Issue 1	Level I		1.00	0.068984	.6505	14496092.72
1315002010	Semiconductor	Q23,Q24	Telcordia Issue 1	Level I		2.00	0.068984	1.3009	14496092.72
1315030210	Semiconductor	Q25	Telcordia Issue 1	Level I		1.00	0.068984	.6505	14496092.72
1540782280	Resistor	RP1	Telcordia Issue 1	Level I		1.00	0.004974	.0469	201059469.95
1540710080	Resistor	RP2,RP3,RP4,RP5,RP6,RP7,RP8,RP9	Telcordia Issue 1	Level I		8.00	0.004974	.3752	201059469.95
106B501031	Resistor	RT1,RT2,RT3	Telcordia Issue 1	Level I		3.00	0.008771	.2481	114008759.54
105A703303	Resistor	R1,R264,R280,R295,R302,R305,R33,R77	Telcordia Issue 1	Level I		8.00	0.002057	.1552	486194222.28
105A700003	Resistor	FB1,FB11,FB12,FB13,FB14,FB16,FB17,FB18,FB19,FB20,FB21,FB3,FB30,FB31,FB32,FB34,FB36,FB37,FB39,FB41,FB43,FB44,FB47,FB48,FB6,FB8,R104,R113,R114,R117,R120,R125,R137,R16,R162,R163,R196,R2,R201,R202,R227,R250,R254,R268,	Telcordia Issue 1	Level I		79.00	0.002057	1.5321	486194222.28
105A704733	Resistor	R106,R39,R5,R62, R73	Telcordia Issue 1	Level I		5.00	0.002057	.0970	486194222.28
105A701033	Resistor	R108,R112,R124,R133,R140,R156,R17,R176,R177,R179,R180,R181,R184,R197,R209,R216,R276,R278,R279,R297,R369,R8,R87	Telcordia Issue 1	Level I		23.00	0.002057	.4461	486194222.28

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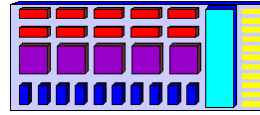


Description
File Name AEC-6911-A1-1010.RPJ
Time 1:53 下午
Failure Rate 10.605304
MTBF 94,292

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A733003	Resistor	R10,R122,R159,R160, R191,R225,R9	Telcordia Issue 1	Level I		7.00	0.002057	.1358	486194222.28
105A700133	Resistor	R109,R11,R110,R116, R119,R121,R232,R30, R324,R326,R328,R36, R364,R98	Telcordia Issue 1	Level I		14.00	0.002057	.2715	486194222.28
105A502033	Resistor	R12	Telcordia Issue 1	Level I		1.00	0.002057	.0194	486194222.28
105A515433	Resistor	R18	Telcordia Issue 1	Level I		1.00	0.002057	.0194	486194222.28
105A710033	Resistor	R262,R269,R362	Telcordia Issue 1	Level I		3.00	0.002057	.0582	486194222.28
105A701053	Resistor	R300,R63,R66	Telcordia Issue 1	Level I		3.00	0.002057	.0582	486194222.28
105A501033	Resistor	R211,R214,R26,R312, R314,R320,R322	Telcordia Issue 1	Level I		7.00	0.002057	.1358	486194222.28
105A704723	Resistor	R169,R171,R217, R220,R221,R236, R239,R244,R249, R257,R265,R266,R27, R292,R299,R306, R307,R34,R365	Telcordia Issue 1	Level I		19.00	0.002057	.3685	486194222.28
105A702233	Resistor	R218,R219,R229, R231,R241,R291,R35, R363	Telcordia Issue 1	Level I		8.00	0.002057	.1552	486194222.28
1059501001	Resistor	R50	Telcordia Issue 1	Level I		1.00	0.002057	.0194	486194222.28
105A756033	Resistor	R56,R96	Telcordia Issue 1	Level I		2.00	0.002057	.0388	486194222.28
105A747033	Resistor	R57,R95	Telcordia Issue 1	Level I		2.00	0.002057	.0388	486194222.28
105A702203	Resistor	R101,R102,R103, R127,R128,R59,R61	Telcordia Issue 1	Level I		7.00	0.002057	.1358	486194222.28
1059700001	Resistor	R68	Telcordia Issue 1	Level I		1.00	0.002057	.0194	486194222.28
105A518223	Resistor	R135	Telcordia Issue 1	Level I		1.00	0.002057	.0194	486194222.28
105A556223	Resistor	R82	Telcordia Issue 1	Level I		1.00	0.002057	.0194	486194222.28
1054600289	Resistor	R118,R93	Telcordia Issue 1	Level I		2.00	0.015872	.2993	63004443.17
105A549963	Resistor	R129,R130,R132, R134,R136,R138, R141,R142,R143, R144,R145,R149, R193,R194	Telcordia Issue 1	Level I		14.00	0.002057	.2715	486194222.28
1050597623	Resistor	R131	Telcordia Issue 1	Level I		1.00	0.002057	.0194	486194222.28
105A549913	Resistor	R352	Telcordia Issue 1	Level I		1.00	0.002057	.0194	486194222.28
105A503300	Resistor	R154,R155,R157, R158,R182,R183	Telcordia Issue 1	Level I		6.00	0.002057	.1164	486194222.28
105A510003	Resistor	R170,R389,R74	Telcordia Issue 1	Level I		3.00	0.002057	.0582	486194222.28
105A547503	Resistor	R185	Telcordia Issue 1	Level I		1.00	0.002057	.0194	486194222.28
105A524913	Resistor	R187	Telcordia Issue 1	Level I		1.00	0.002057	.0194	486194222.28
105A534823	Resistor	R188	Telcordia Issue 1	Level I		1.00	0.002057	.0194	486194222.28

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Temp. (°C) 20.10



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Failure Rate 10.605304
MTBF 94,292

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A512413	Resistor	R189,R190	Telcordia Issue 1	Level I		2.00	0.002057	.0388	486194222.28
105A502039	Resistor	R199	Telcordia Issue 1	Level I		1.00	0.002057	.0194	486194222.28
105A704729	Resistor	R204,R210	Telcordia Issue 1	Level I		2.00	0.002057	.0388	486194222.28
105A700009	Resistor	R205,R208	Telcordia Issue 1	Level I		2.00	0.002057	.0388	486194222.28
105A536503	Resistor	R206	Telcordia Issue 1	Level I		1.00	0.002057	.0194	486194222.28
105A512103	Resistor	R207	Telcordia Issue 1	Level I		1.00	0.002057	.0194	486194222.28
105A701003	Resistor	R212,R245,R261	Telcordia Issue 1	Level I		3.00	0.002057	.0582	486194222.28
105A708223	Resistor	R222,R255,R256, R272,R347,R44,R45, R46	Telcordia Issue 1	Level I		8.00	0.002057	.1552	486194222.28
105A506823	Resistor	R243,R260,R311, R318	Telcordia Issue 1	Level I		4.00	0.002057	.0776	486194222.28
105A702263	Resistor	R246,R308	Telcordia Issue 1	Level I		2.00	0.002057	.0388	486194222.28
105A515003	Resistor	R248,R251,R252, R267,R330,R331	Telcordia Issue 1	Level I		6.00	0.002057	.1164	486194222.28
105A703903	Resistor	R253,R258,R282, R283,R284,R285, R286,R287,R288, R289	Telcordia Issue 1	Level I		10.00	0.002057	.1939	486194222.28
105A705133	Resistor	R303	Telcordia Issue 1	Level I		1.00	0.002057	.0194	486194222.28
105A503033	Resistor	R316	Telcordia Issue 1	Level I		1.00	0.002057	.0194	486194222.28
1059700201	Resistor	R357,R358	Telcordia Issue 1	Level I		2.00	0.002057	.0388	486194222.28
105A503323	Resistor	R335,R336,R345, R349,R353,R361	Telcordia Issue 1	Level I		6.00	0.002057	.1164	486194222.28
105A504703	Resistor	R340,R342,R344	Telcordia Issue 1	Level I		3.00	0.002057	.0582	486194222.28
105A782003	Resistor	R385,R386	Telcordia Issue 1	Level I		2.00	0.002057	.0388	486194222.28
105A522003	Resistor	R390	Telcordia Issue 1	Level I		1.00	0.002057	.0194	486194222.28
105A507509	Resistor	R381,R382,R383, R384	Telcordia Issue 1	Level I		4.00	0.002057	.0776	486194222.28
1314193110	Integrated Circuit	U1	Telcordia Issue 1	Level I		1.00	0.041234	.3888	24251757.09
1315970110	Semiconductor	U3,U5,U9	Telcordia Issue 1	Level I		3.00	0.137968	3.9028	7248046.36
14S4152000	Integrated Circuit	U4	Telcordia Issue 1	Level I		1.00	0.019535	.1842	51189157.43
14S2221600	Integrated Circuit	U8	Telcordia Issue 1	Level I		1.00	0.041234	.3888	24251757.09
14S5A00700	Integrated Circuit	U10	Telcordia Issue 1	Level I		1.00	0.018836	.1776	53089721.55
14S4911216	Integrated Circuit	U11	Telcordia Issue 1	Level I	23.40	1.00	0.212299	2.0018	4710340.99
14S4070610	Integrated Circuit	U13	Telcordia Issue 1	Level I		1.00	0.041234	.3888	24251757.09
14S4910400	Integrated Circuit	U15	Telcordia Issue 1	Level I	29.10	1.00	0.097598	.9203	10246078.67
1314108517	Integrated Circuit	U16	Telcordia Issue 1	Level I		1.00	0.041234	.3888	24251757.09
14S3378000	Integrated Circuit	U17	Telcordia Issue 1	Level I	26.50	1.00	0.259068	2.4428	3859990.25
14S4021310	Integrated Circuit	U18,U21,U29,U30	Telcordia Issue 1	Level I		4.00	0.041234	1.5552	24251757.09
14S4121601	Integrated Circuit	U19	Telcordia Issue 1	Level I	23.70	1.00	0.074046	.6982	13505168.26

AAEON Reliability Prediction Report

Part Number 9697T0730B-D
Reference Des
Date 05. 8, 2009
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 20.10



Description
File Name AEC-6911-A1-1010.RPJ
Time 1:53 下午
Failure Rate 10.605304
MTBF 94,292

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
14S4650601	Integrated Circuit	U20	Telcordia Issue 1	Level I		1.00	0.041234	.3888	24251757.09
14S5A12505	Integrated Circuit	U22	Telcordia Issue 1	Level I		1.00	0.041234	.3888	24251757.09
14S4048501	Integrated Circuit	U23	Telcordia Issue 1	Level I		1.00	0.041234	.3888	24251757.09
14S4048501	Integrated Circuit	U27	Telcordia Issue 1	Level I	20.70	1.00	0.177929	1.6777	5620221.92
14S3020100	Integrated Circuit	U24	Telcordia Issue 1	Level I		1.00	0.041234	.3888	24251757.09
14S5A12503	Integrated Circuit	U25	Telcordia Issue 1	Level I		1.00	0.041234	.3888	24251757.09
14S5A01400	Integrated Circuit	U26	Telcordia Issue 1	Level I		1.00	0.041234	.3888	24251757.09
14S5A00401	Integrated Circuit	U28	Telcordia Issue 1	Level I		1.00	0.019535	.1842	51189157.43
14S3065500	Integrated Circuit	U32	Telcordia Issue 1	Level I		1.00	0.041234	.3888	24251757.09
14S4871203	Integrated Circuit	U33	Telcordia Issue 1	Level I		1.00	0.019535	.1842	51189157.43
14S4825730	Integrated Circuit	U34	Telcordia Issue 1	Level I	20.00	1.00	0.060944	.5747	16408595.56
14S6308001	Integrated Circuit	U35	Telcordia Issue 1	Level I		1.00	0.024923	.2350	40123586.44
14S5A00601	Integrated Circuit	U36	Telcordia Issue 1	Level I		1.00	0.019535	.1842	51189157.43
14S3500700	Integrated Circuit	U38	Telcordia Issue 1	Level I		1.00	0.041234	.3888	24251757.09
1231325058	Miscellaneous	Y2	Telcordia Issue 1	Level I		1.00	0.150000	1.4144	6666666.67
1231324555	Miscellaneous	Y3	Telcordia Issue 1	Level I		1.00	0.150000	1.4144	6666666.67
1655908123	Connection	CN13,CN14	Telcordia Issue 1	Level I		2.00	0.000877	.0165	1140087595.36
105A515033	Resistor	R88	Telcordia Issue 1	Level I		1.00	0.002057	.0194	486194222.28
105A547523	Resistor	R86	Telcordia Issue 1	Level I		1.00	0.002057	.0194	486194222.28
105A733033	Resistor	R200	Telcordia Issue 1	Level I		1.00	0.002057	.0194	486194222.28
105A700233	Resistor	R198	Telcordia Issue 1	Level I		1.00	0.002057	.0194	486194222.28
14S3372801	Integrated Circuit	U6	Telcordia Issue 1	Level I		1.00	0.041234	.3888	24251757.09
105A507503	Resistor	R271,R273,R274	Telcordia Issue 1	Level I		3.00	0.002057	.0582	486194222.28
1654030003	Connection	CN12	Telcordia Issue 1	Level I		1.00	0.013157	.1241	76005839.69
12123C0002	Inductor	FB2,FB4,FB5,FB7	Telcordia Issue 1	Level I		4.00	0.002057	.0776	486194222.28
121230603J	Inductor	FB40	Telcordia Issue 1	Level I		1.00	0.002057	.0194	486194222.28
11E9510050	Capacitor	C108,C129,C168, C201,C231,C241, C246,C27,C296,C344, C345,C347,C349, C395,C406,C53,C6, C75,C80,C84,C87, C88,C92	Telcordia Issue 1	Level I		23.00	0.004114	.8921	243097111.14
1315230300	Semiconductor	Q2	Telcordia Issue 1	Level I		1.00	0.068984	.6505	14496092.72
1214309000	Inductor	CH1,CH2,CH3,CH4	Telcordia Issue 1	Level I		4.00	0.002057	.0776	486194222.28
1654609300	Connection	Audio	Telcordia Issue 1	Level I		1.00	0.003947	.0372	253352798.97
1750220323	Connection	BT1	Telcordia Issue 1	Level I		1.00	0.000877	.0083	1140087595.36
1750119011	Miscellaneous	BT1	Telcordia Issue 1	Level I		1.00	0.900000	8.4863	1111111.11

AAEON Reliability Prediction Report

Part Number 9697T0730B-D
Reference Des
Date 05. 8, 2009
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 20.10



Description
File Name AEC-6911-A1-1010.RPJ
Time 1:53 下午
Failure Rate 10.605304
MTBF 94,292

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate,%	MTBF, Unit
1653900034	Connection	CFD1	Telcordia Issue 1	Level I		1.00	0.010526	.0992	95007299.61
1652003101	Connection	CN1	Telcordia Issue 1	Level I		1.00	0.001316	.0124	760058396.91
1655003010	Connection	CN3	Telcordia Issue 1	Level I		1.00	0.001316	.0124	760058396.91
1654606306	Connection	CN4	Telcordia Issue 1	Level I		1.00	0.002631	.0248	380029198.45
16540F0201	Connection	CN5	Telcordia Issue 1	Level I		1.00	1.644610	15.5074	608046.72
1652514209	Connection	CN6	Telcordia Issue 1	Level I		1.00	0.006140	.0579	162869656.48
165251220B	Connection	CN9	Telcordia Issue 1	Level I		1.00	0.005263	.0496	190014599.23
1654604300	Connection	CN11	Telcordia Issue 1	Level I		1.00	0.001754	.0165	570043797.68
1655304020	Connection	CN15	Telcordia Issue 1	Level I		1.00	0.001754	.0165	570043797.68
1654418100	Connection	COM1,COM2	Telcordia Issue 1	Level I		2.00	0.003947	.0744	253352798.97
1654415309	Connection	CRT	Telcordia Issue 1	Level I		1.00	0.006578	.0620	152011679.38
1111610194	Capacitor	C10,C105,C109,C232, C239,C245,C254,C33, C34,C35,C50,C66	Telcordia Issue 1	Level I		12.00	0.032892	3.7218	30402335.88
1189618090	Capacitor	C106,C11,C213,C79	Telcordia Issue 1	Level I		4.00	0.004114	.1552	243097111.14
1304451400	Semiconductor	D1	Telcordia Issue 1	Level I		1.00	0.003092	.0292	323399283.64
1181647110	Capacitor	EC11,EC12,EC13,EC2, EC3,EC4	Telcordia Issue 1	Level I		6.00	0.004114	.2327	243097111.14
111961029H	Capacitor	EC14,EC15	Telcordia Issue 1	Level I		2.00	0.054820	1.0338	18241401.53
1653003100	Connection	J1,J2,JP1,JP2,JP3	Telcordia Issue 1	Level I		5.00	0.001316	.0620	760058396.91
1653003201	Connection	JP4,JP5,JP6	Telcordia Issue 1	Level I		3.00	0.000877	.0248	1140087595.36
1653003101	Connection	JP10,JP7,JP8	Telcordia Issue 1	Level I		3.00	0.001316	.0372	760058396.91
1653300100	Connection	J1(2-3),J2(2-3), JP1(2-3),JP2(2-3), JP3(1-2)	Telcordia Issue 1	Level I		5.00	0.000877	.0414	1140087595.36
1653300102	Connection	JP10(1-2),JP4(5-6), JP5(5-6),JP6(5-6), JP7(2-3),JP8(1-2)	Telcordia Issue 1	Level I		6.00	0.000877	.0496	1140087595.36
1655103010	Connection	J3	Telcordia Issue 1	Level I		1.00	0.017543	.1654	57004379.77
1654260207	Connection	PCI1	Telcordia Issue 1	Level I		1.00	0.052628	.4962	19001459.92
1654907004	Connection	SATA1	Telcordia Issue 1	Level I		1.00	0.003070	.0289	325739312.96
1655102010	Connection	SW1	Telcordia Issue 1	Level I		1.00	0.000877	.0083	1140087595.36
1601123600	Switching Device	S1	Telcordia Issue 1	Level I		1.00	0.021928	.2068	45603503.81
1654808300	Connection	USB1,USB2	Telcordia Issue 1	Level I		2.00	0.003509	.0662	285021898.84
1189647193	Capacitor	EC18,EC19	Telcordia Issue 1	Level I		2.00	0.004114	.0776	243097111.14
1653622201	Connection	CN10	Telcordia Issue 1	Level I		1.00	0.019297	.1820	51822163.43

AAEON Reliability Prediction Report

Part Number 9697945G02-D
Reference Des
Date 05. 8, 2009
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 20.10



Description
File Name AEC-6911-A1-1010.RPJ
Time 1:53 下午
Failure Rate 10.795135
MTBF 92,634

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
11E9647680	Capacitor	C104,C184,C231, C234,C263,C341, C342,C351,C375,C71, C79,C84,C85,C95, C99	Telcordia Issue 1	Level I		15.00	0.004114	.5716	243097111.14
1189633160	Capacitor	C102,C112,C172,C83	Telcordia Issue 1	Level I		4.00	0.004114	.1524	243097111.14
1129622050	Capacitor	C103,C113	Telcordia Issue 1	Level I		2.00	0.004114	.0762	243097111.14
11B9747490	Capacitor	C120,C121,C122, C123	Telcordia Issue 1	Level I		4.00	0.004114	.1524	243097111.14
1124418090	Capacitor	C137,C138	Telcordia Issue 1	Level I		2.00	0.004114	.0762	243097111.14
11C2539290	Capacitor	C139,C140,C141, C142,C143,C144, C145,C146	Telcordia Issue 1	Level I		8.00	0.004114	.3048	243097111.14
1189622150	Capacitor	C182,C267,C348, C355	Telcordia Issue 1	Level I		4.00	0.004114	.1524	243097111.14
1124427080	Capacitor	C205,C206	Telcordia Issue 1	Level I		2.00	0.004114	.0762	243097111.14
1129610080	Capacitor	C216,C217,C224, C232,C235,C315, C316,C317	Telcordia Issue 1	Level I		8.00	0.004114	.3048	243097111.14
1189610151	Capacitor	C274,C276,C325, C360	Telcordia Issue 1	Level I		4.00	0.004114	.1524	243097111.14
1121647480	Capacitor	C281,C337,C338	Telcordia Issue 1	Level I		3.00	0.004114	.1143	243097111.14
1122601680	Capacitor	C285,C364,C366, C399,C400,C401, C405,C406	Telcordia Issue 1	Level I		8.00	0.004114	.3048	243097111.14
1142522080	Capacitor	C286,C365	Telcordia Issue 1	Level I		2.00	0.004114	.0762	243097111.14
11B2710060	Capacitor	C321,C395,C404	Telcordia Issue 1	Level I		3.00	0.004114	.1143	243097111.14
1189615161	Capacitor	C326	Telcordia Issue 1	Level I		1.00	0.032892	.3047	30402335.88
1129710390	Capacitor	C347,C353	Telcordia Issue 1	Level I		2.00	0.004114	.0762	243097111.14
1124515880	Capacitor	C369	Telcordia Issue 1	Level I		1.00	0.004114	.0381	243097111.14
11C4515380	Inductor	C370	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
1129701791	Capacitor	C117,C354,C371, C386,C390,C391	Telcordia Issue 1	Level I		6.00	0.004114	.2286	243097111.14
1122722780	Capacitor	C372	Telcordia Issue 1	Level I		1.00	0.004114	.0381	243097111.14
1129522790	Capacitor	C374,C385	Telcordia Issue 1	Level I		2.00	0.004114	.0762	243097111.14
1124447180	Capacitor	C379	Telcordia Issue 1	Level I		1.00	0.004114	.0381	243097111.14
1121733380	Capacitor	C380,C381	Telcordia Issue 1	Level I		2.00	0.004114	.0762	243097111.14
1121533480	Capacitor	C382	Telcordia Issue 1	Level I		1.00	0.004114	.0381	243097111.14
1124539180	Capacitor	C383	Telcordia Issue 1	Level I		1.00	0.004114	.0381	243097111.14
1122747080	Capacitor	C384	Telcordia Issue 1	Level I		1.00	0.004114	.0381	243097111.14
1124418190	Capacitor	C387	Telcordia Issue 1	Level I		1.00	0.005291	.0490	189013329.52
11B2722650	Capacitor	C396,C397,C398, C402,C403	Telcordia Issue 1	Level I		5.00	0.004114	.1905	243097111.14
1189622189	Capacitor	C409	Telcordia Issue 1	Level I		1.00	0.004114	.0381	243097111.14
1124427090	Capacitor	C424,C426	Telcordia Issue 1	Level I		2.00	0.004114	.0762	243097111.14
1121701080	Capacitor	C428,C429	Telcordia Issue 1	Level I		2.00	0.004114	.0762	243097111.14

AAEON Reliability Prediction Report

Part Number 9697945G02-D
Reference Des
Date 05. 8, 2009
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 20.10



Description
File Name AEC-6911-A1-1010.RPJ
Time 1:53 下午
Failure Rate 10.795135
MTBF 92,634

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
16515A0997	Connection	DIMM1	Telcordia Issue 1	Level I		1.00	0.087713	.8125	11400875.95
1301053040	Semiconductor	D1,D10,D11,D2,D21	Telcordia Issue 1	Level I		5.00	0.020695	.9585	48320309.06
1301005442	Semiconductor	D12,D13,D14,D5,D6	Telcordia Issue 1	Level I		5.00	0.020695	.9585	48320309.06
1300001440	Semiconductor	D7,D8,D9	Telcordia Issue 1	Level I		3.00	0.020695	.5751	48320309.06
1301005440	Semiconductor	D15	Telcordia Issue 1	Level I		1.00	0.020695	.1917	48320309.06
1300581940	Semiconductor	D16,D18	Telcordia Issue 1	Level I		2.00	0.068984	1.2781	14496092.72
1305001540	Semiconductor	D22	Telcordia Issue 1	Level I		1.00	0.041136	.3811	24309711.11
12123C0007	Inductor	FB1,FB2,FB5	Telcordia Issue 1	Level I		3.00	0.002057	.0572	486194222.28
12123C0006	Inductor	FB3,FB4	Telcordia Issue 1	Level I		2.00	0.002057	.0381	486194222.28
121230603H	Inductor	FB6,FB7	Telcordia Issue 1	Level I		2.00	0.002057	.0381	486194222.28
1304101340	Semiconductor	LED1	Telcordia Issue 1	Level I		1.00	0.003092	.0286	323399283.64
1212308054	Inductor	L1	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
1211100102	Inductor	L2,L6	Telcordia Issue 1	Level I		2.00	0.078158	1.4480	12794584.80
12123B0006	Inductor	L5	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
121110336L	Inductor	L11,L7	Telcordia Issue 1	Level I		2.00	0.078158	1.4480	12794584.80
1211101005	Inductor	L3,L4,L8	Telcordia Issue 1	Level I		3.00	0.002057	.0572	486194222.28
121110156A	Inductor	L10	Telcordia Issue 1	Level I	55.70	1.00	0.201707	1.8685	4957679.64
1315700216	Semiconductor	Q1,Q10,Q12,Q18,Q19, Q20,Q21,Q22,Q23, Q24,Q26,Q3,Q36,Q4, Q5,Q6	Telcordia Issue 1	Level I		16.00	0.068984	10.2245	14496092.72
1311006910	Semiconductor	Q8	Telcordia Issue 1	Level I		1.00	0.020695	.1917	48320309.06
1311006910	Semiconductor	Q7	Telcordia Issue 1	Level I	35.20	1.00	0.052643	.4877	18996015.43
1315446310	Semiconductor	Q9	Telcordia Issue 1	Level I	31.30	1.00	0.159818	1.4805	6257101.23
1315446310	Semiconductor	Q11	Telcordia Issue 1	Level I		1.00	0.068984	.6390	14496092.72
1314108412	Integrated Circuit	Q15	Telcordia Issue 1	Level I	36.60	1.00	0.482889	4.4732	2070868.85
1315441014	Semiconductor	Q25	Telcordia Issue 1	Level I	55.10	1.00	0.273634	2.5348	3654518.03
1315313800	Semiconductor	Q39	Telcordia Issue 1	Level I	37.60	1.00	0.185660	1.7198	5386188.96
1315313800	Semiconductor	Q38	Telcordia Issue 1	Level I		1.00	0.068984	.6390	14496092.72
1315313800	Semiconductor	Q37	Telcordia Issue 1	Level I	51.50	1.00	0.253463	2.3479	3945346.85
1540782282	Resistor	RP1,RP2	Telcordia Issue 1	Level I		2.00	0.009947	.1843	100529734.97
106B747030	Resistor	RT1	Telcordia Issue 1	Level I		1.00	0.008771	.0813	114008759.54
106B501032	Resistor	RT2	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
105A733009	Resistor	R1	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28

AAEON Reliability Prediction Report

Part Number 9697945G02-D
Reference Des
Date 05. 8, 2009
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 20.10



Description
File Name AEC-6911-A1-1010.RPJ
Time 1:53 下午
Failure Rate 10.795135
MTBF 92,634

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1050505604	Resistor	R109,R116,R19,R2, R20,R25,R26,R263, R264,R265,R266, R267,R268,R269,R27, R270,R271,R272, R273,R274,R275, R276,R277,R278, R279,R280,R281, R282,R283,R284, R285,R286,R287, R288,R541	Telcordia Issue 1	Level I		35.00	0.002057	.6669	486194222.28
105A500139	Resistor	R142,R15,R17,R18, R21,R213,R217,R22, R223,R23,R231,R239, R240,R241,R242, R260,R293,R3,R30, R372,R424,R425, R428,R429,R432, R435,R50,R506,R51, R53	Telcordia Issue 1	Level I		30.00	0.002057	.5716	486194222.28
105A527463	Resistor	R10,R5	Telcordia Issue 1	Level I		2.00	0.002057	.0381	486194222.28
105A554969	Resistor	R37,R38,R8,R9	Telcordia Issue 1	Level I		4.00	0.002057	.0762	486194222.28
1050502204	Resistor	R11,R251	Telcordia Issue 1	Level I		2.00	0.002057	.0381	486194222.28
105A706809	Resistor	R14	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
105A500239	Resistor	R16,R24,R29,R385, R387,R399	Telcordia Issue 1	Level I		6.00	0.002057	.1143	486194222.28
105A700003	Resistor	FB8,R220,R221,R246, R34,R456,R508	Telcordia Issue 1	Level I		7.00	0.002057	.1334	486194222.28
105A710009	Resistor	R186,R187,R188, R195,R35,R36,R42, R43,R46,R64	Telcordia Issue 1	Level I		10.00	0.002057	.1905	486194222.28
1050524904	Resistor	R39,R40,R55	Telcordia Issue 1	Level I		3.00	0.002057	.0572	486194222.28
105A522103	Resistor	R41,R44	Telcordia Issue 1	Level I		2.00	0.002057	.0381	486194222.28
105A520003	Resistor	R45	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28

AAEON Reliability Prediction Report

Part Number 9697945G02-D
Reference Des
Date 05. 8, 2009
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 20.10



Description
File Name AEC-6911-A1-1010.RPJ
Time 1:53 下午
Failure Rate 10.795135
MTBF 92,634

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A700009	Resistor	R102,R104,R108, R190,R191,R192, R193,R196,R199, R200,R201,R204, R374,R382,R390, R392,R395,R396, R397,R405,R406, R408,R419,R426, R427,R431,R433, R434,R438,R465, R466,R467,R468,R47, R472,R476,R477, R478,R480,R482,	Telcordia Issue 1	Level I		54.00	0.002057	1.0289	486194222.28
105A715009	Resistor	R48,R49,R52,R76, R77,R78	Telcordia Issue 1	Level I		6.00	0.002057	.1143	486194222.28
1050502224	Resistor	R211,R212,R391, R394,R531,R56,R86, R87	Telcordia Issue 1	Level I		8.00	0.002057	.1524	486194222.28
105A703909	Resistor	R105,R106,R111, R112,R113,R117,R58, R60	Telcordia Issue 1	Level I		8.00	0.002057	.1524	486194222.28
105A525503	Resistor	R485,R59	Telcordia Issue 1	Level I		2.00	0.002057	.0381	486194222.28
105A501523	Resistor	R63	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
105A549913	Resistor	R65	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
105A580663	Resistor	R68,R69	Telcordia Issue 1	Level I		2.00	0.002057	.0381	486194222.28
105A704729	Resistor	R107,R110,R118, R210,R214,R216, R422,R437,R460, R518,R70,R73	Telcordia Issue 1	Level I		12.00	0.002057	.2286	486194222.28
1050510034	Resistor	R215,R292,R295, R370,R71,R72,R74	Telcordia Issue 1	Level I		7.00	0.002057	.1334	486194222.28
105A501039	Resistor	R101,R120,R168, R178,R179,R180, R182,R183,R184, R197,R225,R227, R232,R233,R234, R235,R236,R237, R261,R262,R289, R290,R371,R388, R389,R411,R412, R413,R414,R415, R446,R470,R522, R523,R532,R534, R535,R536,R79,R	Telcordia Issue 1	Level I		44.00	0.002057	.8383	486194222.28
105A701009	Resistor	R90,R92	Telcordia Issue 1	Level I		2.00	0.002057	.0381	486194222.28

AAEON Reliability Prediction Report

Part Number 9697945G02-D
Reference Des
Date 05. 8, 2009
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Temp. (°C) 20.10



Description
File Name AEC-6911-A1-1010.RPJ
Time 1:53 下午
Failure Rate 10.795135
MTBF 92,634

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A700103	Resistor	R222,R458,R459, R463,R91,R93,R94, R95	Telcordia Issue 1	Level I		8.00	0.002057	.1524	486194222.28
105A502033	Resistor	R96	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
105A510053	Resistor	R529,R97	Telcordia Issue 1	Level I		2.00	0.012341	.2286	81032370.38
105A701053	Resistor	R98	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
105A524963	Resistor	R119,R122,R125	Telcordia Issue 1	Level I		3.00	0.002057	.0572	486194222.28
1050533034	Resistor	R123	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
105A522663	Resistor	R126	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
105A708229	Resistor	R127,R128,R129, R130,R132,R134, R135,R139,R140, R141,R143,R145, R146,R147,R148, R149,R151,R152, R153,R154,R155, R156,R157,R158, R159,R160,R161, R162,R163,R164, R165,R166,R167, R171,R189,R205, R206,R207,R208,	Telcordia Issue 1	Level I		48.00	0.002057	.9145	486194222.28
1050519114	Resistor	R172,R453	Telcordia Issue 1	Level I		2.00	0.002057	.0381	486194222.28
105A502233	Resistor	R209	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
105A510003	Resistor	R218,R219	Telcordia Issue 1	Level I		2.00	0.002057	.0381	486194222.28
105A549919	Resistor	R224	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
105A700133	Resistor	R226,R228,R238, R243,R244,R310, R311,R376,R409, R444,R479,R484	Telcordia Issue 1	Level I		12.00	0.002057	.2286	486194222.28
1059700001	Resistor	R257,R457	Telcordia Issue 1	Level I		2.00	0.002057	.0381	486194222.28
105A503309	Resistor	R291,R294,R383, R384,R386,R430, R524,R526,R528, R530,R533	Telcordia Issue 1	Level I		11.00	0.002057	.2096	486194222.28
105A514723	Resistor	R306	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
1050547004	Resistor	R308,R377	Telcordia Issue 1	Level I		2.00	0.002057	.0381	486194222.28
105A516513	Resistor	R309	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
105A512103	Resistor	R366	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
1050520004	Resistor	R367,R507,R509	Telcordia Issue 1	Level I		3.00	0.002057	.0572	486194222.28
105A547033	Resistor	R368	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28

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Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A501123	Resistor	R375,R495	Telcordia Issue 1	Level I		2.00	0.002057	.0381	486194222.28
105A511503	Resistor	R378	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
105A518703	Resistor	R379	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
105A501413	Resistor	R407	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
105A702263	Resistor	R441,R442,R443, R474	Telcordia Issue 1	Level I		4.00	0.002057	.0762	486194222.28
105A511313	Resistor	R445	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
105A500233	Resistor	R447	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
105A510213	Resistor	R448	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
105A501623	Resistor	R449	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
105A532413	Resistor	R450	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
105A501003	Resistor	R451,R452,R455	Telcordia Issue 1	Level I		3.00	0.002057	.0572	486194222.28
105A514733	Resistor	R462	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
105A536513	Resistor	R469	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
105A540213	Resistor	R473	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
105A504733	Resistor	R475	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
1050549904	Resistor	R481	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
105A501139	Resistor	R488	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
105A526113	Resistor	R489	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
105A556213	Resistor	R496	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
105A549903	Resistor	R527	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
1600000203	Connection	S1	Telcordia Issue 1	Level I		1.00	0.000877	.0081	1140087595.36
14S4160020	Integrated Circuit	U1	Telcordia Issue 1	Level I		1.00	0.019535	.1810	51189157.43
14S9781800	Integrated Circuit	U2	Telcordia Issue 1	Level I		1.00	0.041234	.3820	24251757.09
14S4294503	Integrated Circuit	U3	Telcordia Issue 1	Level I	26.40	1.00	0.085109	.7884	11749573.08
14S428010D	Integrated Circuit	U4	Telcordia Issue 1	Level I	39.20	1.00	0.159704	1.4794	6261596.62
14S5A00601	Integrated Circuit	U5	Telcordia Issue 1	Level I		1.00	0.019535	.1810	51189157.43
14S4825740	Integrated Circuit	U6	Telcordia Issue 1	Level I	29.20	1.00	0.098090	.9087	10194698.47
14S6308001	Integrated Circuit	U7	Telcordia Issue 1	Level I	23.80	1.00	0.131687	1.2199	7593759.82
14S2610200	Integrated Circuit	U9	Telcordia Issue 1	Level I	47.70	1.00	0.917421	8.4985	1090012.69
14S3050100	Integrated Circuit	U10	Telcordia Issue 1	Level I	41.80	1.00	0.655722	6.0742	1525036.43
14S9811500	Integrated Circuit	U11	Telcordia Issue 1	Level I		1.00	0.041234	.3820	24251757.09
14S5812300	Integrated Circuit	U12	Telcordia Issue 1	Level I		1.00	0.019535	.1810	51189157.43
131411171C	Integrated Circuit	U13	Telcordia Issue 1	Level I		1.00	0.041234	.3820	24251757.09
14S4751100	Integrated Circuit	U15	Telcordia Issue 1	Level I	26.40	1.00	0.085109	.7884	11749573.08
14S5A00821	Integrated Circuit	U16,U17	Telcordia Issue 1	Level I		2.00	0.019535	.3619	51189157.43
14S4195710	Integrated Circuit	U19	Telcordia Issue 1	Level I	27.70	1.00	0.279535	2.5895	3577370.69

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Failure Rate 10.795135
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Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
14S5A00700	Integrated Circuit	U22	Telcordia Issue 1	Level I	28.00	1.00	0.089023	.8247	11232998.92
14S4653700	Integrated Circuit	U24	Telcordia Issue 1	Level I	45.00	1.00	0.787872	7.2984	1269241.44
14S3626201	Integrated Circuit	U25	Telcordia Issue 1	Level I	30.60	1.00	0.335142	3.1046	2983810.94
14S2910300	Semiconductor	U27	Telcordia Issue 1	Level I		1.00	0.003092	.0286	323399283.64
1231332721	Miscellaneous	Y1	Telcordia Issue 1	Level I		1.00	0.150000	1.3895	6666666.67
1231325058	Miscellaneous	Y2	Telcordia Issue 1	Level I		1.00	0.150000	1.3895	6666666.67
123131435B	Miscellaneous	Y3	Telcordia Issue 1	Level I		1.00	0.150000	1.3895	6666666.67
105A703923	Resistor	R494	Telcordia Issue 1	Level I		1.00	0.002057	.0191	486194222.28
1310390410	Semiconductor	Q16,Q34,Q35	Telcordia Issue 1	Level I		3.00	0.020695	.5751	48320309.06
14S2591200	Integrated Circuit	U8	Telcordia Issue 1	Level I		1.00	0.041234	.3820	24251757.09
14S4081110	Integrated Circuit	U28	Telcordia Issue 1	Level I		1.00	0.041234	.3820	24251757.09