

AEC-6967

Reliability Prediction Report

(MTBF)

Summary	Failure Rate: 23.162546 ppm MTBF: 43,173 Hours
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Issue date	Approval	Test Engineer
2012/09/14	Tom Lin	Jessica Chou

Reliability Prediction (MTBF)

I . Model Name: TF-AEC-6967-A1-1010

II . Prediction Date: Sep. 14, 2012

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 in 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 in 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-6967-A1-1010(Not include RAM):

- Failure Rate: 23.162546ppm
- MTBF: 43,173 Hours

Below component MTBF value was provided by supplier:

- (TF)4GB.DDR3.Non-ECC.CL7 SODIMM.1066MHz.DSL.D3SE56082XH18AB
MTBF: 6.19E+6 Hrs

AAEON Reliability Prediction Report

Part Number System
Reference Des
Date 09. 14, 2012
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description Top-level assembly
File Name AEC-6967-A1-1010.RPJ
Time 11:51
Failure Rate 23.162546
MTBF 43,173

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
AEC-6967-A1-1010	System	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled	100.00	1.00	23.16	43173.15
PBA-QM67.Rev.A1.0	9697QM6736-D	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled	100.00	1.00	21.60	46301.85
Riser card PER-T228 Rev.A0.1	9697T22800-D	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled	100.00	1.00	1.57	638922.38

AAEON Reliability Prediction Report

Part Number 9697QM6736-D
Reference Des
Date 09. 14, 2012
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description
File Name AEC-6967-A1-1010.RPJ
Time 11:51
Failure Rate 21.597411
MTBF 46,302

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1050501004	Resistor	R30,R31	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
1050501234	Resistor	R737,R758,R759	Telcordia Issue 1	Level I		3.00	0.002268	.0315	440974090.03
1050502204	Resistor	R317	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
1050502224	Resistor	R585,R587	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
1050504724	Resistor	R1124,R1126,R1129, R1147,R1149,R1156, R1158,R1159,R314, R318,R337,R372, R373,R393,R430, R446,R449,R994	Telcordia Issue 1	Level I		18.00	0.002268	.1890	440974090.03
1050505164	Resistor	R772	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
1050505604	Resistor	R3,R801	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
1050505633	Resistor	R658	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
1050507530	Resistor	R774,R775,R783	Telcordia Issue 1	Level I		3.00	0.002268	.0315	440974090.03
1050510034	Resistor	R1075,R1080,R1089, R1092,R1096,R1098, R1127,R213,R214, R216,R217,R242, R283,R286,R604, R646,R669,R760, R897,R899,R905,R92, R921,R987,R988	Telcordia Issue 1	Level I		25.00	0.002268	.2625	440974090.03
1050514324	Resistor	R735,R914	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
1050520004	Resistor	R6	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
1050520034	Resistor	R257,R784	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
1050524904	Resistor	R1,R16	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
1050524934	Resistor	R739	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
1050527424	Resistor	R805,R814	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
105A516933	Resistor	R792	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
1050533034	Resistor	R177,R87	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
1050533214	Resistor	R666	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
1050536514	Resistor	R847,R848,R861, R870	Telcordia Issue 1	Level I		4.00	0.002268	.0420	440974090.03
1050538314	Resistor	R804,R813	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
105A535713	Resistor	R752,R754	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
105A503423	Resistor	R823	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
1050540224	Resistor	R664,R667	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
1050547004	Resistor	R1010,R1014,R1018, R1022	Telcordia Issue 1	Level I		4.00	0.002268	.0420	440974090.03
1050548714	Resistor	R785	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03

AAEON Reliability Prediction Report

Part Number 9697QM6736-D
Reference Des
Date 09. 14, 2012
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description
File Name AEC-6967-A1-1010.RPJ
Time 11:51
Failure Rate 21.597411
MTBF 46,302

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate,%	MTBF, Unit
1050549904	Resistor	R789,R812,R820, R827	Telcordia Issue 1	Level I		4.00	0.002268	.0420	440974090.03
1050502234	Resistor	R81,R84	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
1050584514	Resistor	R734,R736	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
1050700002	Resistor	R293	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
1050702734	Resistor	R471,R505	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
1050704304	Resistor	R21,R36	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
1050747012	Resistor	R1011,R1015,R1019, R1023	Telcordia Issue 1	Level I		4.00	0.002268	.0420	440974090.03
1050756004	Resistor	R1138,R1139,R1140, R1141	Telcordia Issue 1	Level I		4.00	0.002268	.0420	440974090.03
1052500171	Resistor	R39	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
1053502579	Resistor	R1101,R1102	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
1054700289	Resistor	R1068,R70,R78	Telcordia Issue 1	Level I		3.00	0.002268	.0315	440974090.03
1059700001	Resistor	R1036,R1067,R404, R410	Telcordia Issue 1	Level I		4.00	0.002268	.0420	440974090.03
1059700201	Resistor	R1090	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
1124547190	Capacitor	C444	Telcordia Issue 1	Level I		1.00	0.004535	.0210	220487045.01
1059702261	Resistor	R836,R838,R857, R866,R878	Telcordia Issue 1	Level I		5.00	0.002268	.0525	440974090.03
105A500133	Resistor	R303,R308	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
105A500139	Resistor	R1047,R1083,R1145, R126,R15,R169,R18, R218,R24,R26,R261, R280,R284,R383, R398,R413,R42,R46, R48,R49,R52,R55, R57,R59,R60,R61, R63,R678,R729,R730, R732,R733,R83,R887, R906,R912,R95,R99	Telcordia Issue 1	Level I		38.00	0.002268	.3990	440974090.03
105A500239	Resistor	R1151	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A501039	Resistor	R1009,R1013,R1017, R1021,R104,R105, R1059,R1087,R1095, R1131,R1132,R1133, R1157,R1162,R1164, R1166,R1167,R124, R125,R127,R134, R140,R145,R146, R147,R149,R151, R152,R153,R156, R157,R159,R163, R167,R168,R175,R20, R232,R233,R234,	Telcordia Issue 1	Level I		87.00	0.002268	.9135	440974090.03

AAEON Reliability Prediction Report

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Date 09. 14, 2012
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Temp. (°C) 25.00



Description
File Name AEC-6967-A1-1010.RPJ
Time 11:51
Failure Rate 21.597411
MTBF 46,302

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A501053	Resistor	R1073,R1076,R85	Telcordia Issue 1	Level I		3.00	0.002268	.0315	440974090.03
105A501139	Resistor	R1094,R738,R797, R822	Telcordia Issue 1	Level I		4.00	0.002268	.0420	440974090.03
105A501529	Resistor	R277	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A501533	Resistor	R399	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A501539	Resistor	R1077,R896	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
105A502033	Resistor	R310,R313,R659	Telcordia Issue 1	Level I		3.00	0.002268	.0315	440974090.03
105A502039	Resistor	R1079,R1146,R1148, R1150,R677,R756, R892	Telcordia Issue 1	Level I		7.00	0.002268	.0735	440974090.03
105A503033	Resistor	R656	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A503039	Resistor	R673,R676,R682	Telcordia Issue 1	Level I		3.00	0.002268	.0315	440974090.03
105A503309	Resistor	R109,R114,R244, R245,R246,R96,R98	Telcordia Issue 1	Level I		7.00	0.002268	.0735	440974090.03
105A503333	Resistor	R699	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A505109	Resistor	R11,R12,R13,R8,R9	Telcordia Issue 1	Level I		5.00	0.002268	.0525	440974090.03
105A505123	Resistor	R311	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A507503	Resistor	R319,R320,R321, R322,R323,R324	Telcordia Issue 1	Level I		6.00	0.002268	.0630	440974090.03
105A507509	Resistor	R19,R543,R544,R545, R802	Telcordia Issue 1	Level I		5.00	0.002268	.0525	440974090.03
105A508223	Resistor	R1040	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A509123	Resistor	R1103	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A510009	Resistor	R299	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A510213	Resistor	R750,R753	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
105A511823	Resistor	R895	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A512039	Resistor	R1069,R1074	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
105A513009	Resistor	R23,R35,R803	Telcordia Issue 1	Level I		3.00	0.002268	.0315	440974090.03
105A514009	Resistor	R4	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A515009	Resistor	R210,R211,R212, R540,R541,R542	Telcordia Issue 1	Level I		6.00	0.002268	.0630	440974090.03
105A515433	Resistor	R1093	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A518223	Resistor	R691	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A522123	Resistor	R686	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A522663	Resistor	R241	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A523713	Resistor	R1100,R205	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
105A524913	Resistor	R394	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A525563	Resistor	R5	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A526114	Resistor	R799,R818	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
105A533213	Resistor	R384	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03

AAEON Reliability Prediction Report

Part Number 9697QM6736-D
Reference Des
Date 09. 14, 2012
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description
File Name AEC-6967-A1-1010.RPJ
Time 11:51
Failure Rate 21.597411
MTBF 46,302

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A532429	Resistor	R916	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A507523	Resistor	R700,R704	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
105A536523	Resistor	R698	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A537463	Resistor	R103	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A549919	Resistor	R1072,R29,R911	Telcordia Issue 1	Level I		3.00	0.002268	.0315	440974090.03
105A549923	Resistor	R910	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A549963	Resistor	R106	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A549969	Resistor	R174	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A539003	Resistor	R272	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A539203	Resistor	R795	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A502823	Resistor	R790	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A556213	Resistor	R695,R701	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
105A566519	Resistor	R755,R757	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
105A571513	Resistor	R696	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A575003	Resistor	R693	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A575009	Resistor	R1051,R1054,R110, R176	Telcordia Issue 1	Level I		4.00	0.002268	.0420	440974090.03
1315889612	Semiconductor	Q101,Q99	Telcordia Issue 1	Level I		2.00	0.079603	.7372	12562298.27
1050557614	Resistor	R821	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A590963	Resistor	R165	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A700003	Resistor	R291,R309,R315, R385,R386,R389, R392,R406,R407, R414,R415,R417, R420,R453,R454, R459,R589,R708, R709,R778,R807	Telcordia Issue 1	Level I		21.00	0.002268	.2205	440974090.03
105A700009	Resistor	R10,R1004,R1005, R1006,R1007,R102, R1055,R1097,R1099, R111,R1120,R1121, R113,R1136,R1144, R1152,R1153,R1154, R1155,R1160,R1161, R119,R120,R123, R136,R137,R138, R139,R14,R141,R142, R143,R144,R148, R150,R154,R155, R158,R160,R166,	Telcordia Issue 1	Level I		191.00	0.002268	2.0055	440974090.03

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Time 11:51
Failure Rate 21.597411
MTBF 46,302

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A700109	Resistor	R809	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A700139	Resistor	R1050,R1062,R1064, R1066,R356,R886, R891	Telcordia Issue 1	Level I		7.00	0.002268	.0735	440974090.03
105A700239	Resistor	R787,R873	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
105A701003	Resistor	R687,R690,R714	Telcordia Issue 1	Level I		3.00	0.002268	.0315	440974090.03
105A701009	Resistor	R1070,R1071,R1088, R1091,R289,R292, R724,R746,R788, R793,R825,R830, R849,R850,R862, R871	Telcordia Issue 1	Level I		16.00	0.002268	.1680	440974090.03
105A701033	Resistor	R312,R644,R645, R685,R692,R713	Telcordia Issue 1	Level I		6.00	0.002268	.0630	440974090.03
105A701039	Resistor	R1057,R1061,R1063, R1065,R161,R408, R409,R412,R481, R482,R546,R566, R625,R626,R627, R630,R631,R632, R744	Telcordia Issue 1	Level I		19.00	0.002268	.1995	440974090.03
105A701053	Resistor	R164	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A701069	Resistor	R82	Telcordia Issue 1	Level I		1.00	0.013606	.0630	73495681.67
1050519114	Resistor	R798,R816	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
105A701539	Resistor	R193,R670,R679	Telcordia Issue 1	Level I		3.00	0.002268	.0315	440974090.03
105A702039	Resistor	R663	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A702053	Resistor	R301	Telcordia Issue 1	Level I		1.00	0.013606	.0630	73495681.67
105A702209	Resistor	R536,R537,R538, R539	Telcordia Issue 1	Level I		4.00	0.002268	.0420	440974090.03
105A702229	Resistor	R121,R122,R128, R129,R130,R131, R132,R133,R197, R198,R199,R200, R201,R202,R203, R204,R208,R209, R275,R325,R326, R344,R345,R464, R496,R547,R548, R567,R568,R602	Telcordia Issue 1	Level I		30.00	0.002268	.3150	440974090.03
105A702233	Resistor	R329,R330	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
105A702263	Resistor	R688,R689,R707, R710,R711,R712	Telcordia Issue 1	Level I		6.00	0.002268	.0630	440974090.03
105A703329	Resistor	R468,R502	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03

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Temp. (°C) 25.00



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Time 11:51
Failure Rate 21.597411
MTBF 46,302

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A704729	Resistor	R1000,R1037,R1048, R1049,R1060,R1081, R1082,R1084,R1085, R1086,R333,R334, R433,R485,R551, R576,R579,R580, R586,R702,R705, R990	Telcordia Issue 1	Level I		22.00	0.002268	.2310	440974090.03
105A704739	Resistor	R251,R252	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
105A705129	Resistor	R1165,R463,R466, R494,R498,R769	Telcordia Issue 1	Level I		6.00	0.002268	.0630	440974090.03
105A705139	Resistor	R527,R528,R529, R530,R531,R532, R533	Telcordia Issue 1	Level I		7.00	0.002268	.0735	440974090.03
105A706209	Resistor	R17,R395,R483	Telcordia Issue 1	Level I		3.00	0.002268	.0315	440974090.03
105A706823	Resistor	R534,R535	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
105A708229	Resistor	R170,R171,R182, R219,R220,R221, R222,R223,R224, R225,R226,R227, R228,R229,R230, R236,R237,R238, R354,R478,R86	Telcordia Issue 1	Level I		21.00	0.002268	.2205	440974090.03
105A710009	Resistor	R41,R465,R47,R503	Telcordia Issue 1	Level I		4.00	0.002268	.0420	440974090.03
105A710039	Resistor	R1163,R457,R458, R680,R725,R740, R741,R742,R747, R773,R779,R883, R884,R885,R888, R889,R893	Telcordia Issue 1	Level I		17.00	0.002268	.1785	440974090.03
105A715003	Resistor	R391,R419	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
105A720009	Resistor	R179,R22	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
105A727033	Resistor	R791,R824	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
105A733003	Resistor	R298,R306,R307, R989,R991	Telcordia Issue 1	Level I		5.00	0.002268	.0525	440974090.03
105A733009	Resistor	R117	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A747003	Resistor	R1052,R1058	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
106B701031	Resistor	RT1,RT2,RT3,RT6	Telcordia Issue 1	Level I		4.00	0.011379	.2108	87878027.07
106B747030	Resistor	RT4,RT5	Telcordia Issue 1	Level I		2.00	0.011379	.1054	87878027.07
1121501680	Capacitor	BC27,BC28	Telcordia Issue 1	Level I		2.00	0.004535	.0420	220487045.01

AAEON Reliability Prediction Report

Part Number 9697QM6736-D
Reference Des
Date 09. 14, 2012
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description
File Name AEC-6967-A1-1010.RPJ
Time 11:51
Failure Rate 21.597411
MTBF 46,302

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1121501690	Capacitor	BC10,BC100,BC101, BC102,BC103,BC104, BC105,BC106,BC107, BC108,BC109,BC11, BC110,BC111,BC112, BC113,BC114,BC115, BC116,BC117,BC118, BC119,BC12,BC120, BC121,BC122,BC123, BC124,BC125,BC126, BC127,BC128,BC129, BC13,BC130,BC131, BC132,BC133,BC1	Telcordia Issue 1	Level I		215.00	0.004535	4.5150	220487045.01
1121501691	Capacitor	BC1,BC2,BC3,C2, C385,C387,C403, C472,C623,C624, C625,C626,C627, C629,C636	Telcordia Issue 1	Level I		15.00	0.004535	.3150	220487045.01
1121610060	Capacitor	C607,C612,C614, C618,C620	Telcordia Issue 1	Level I		5.00	0.004535	.1050	220487045.01
1121610180	Capacitor	C225,C226,C227, C228,C229,C230, C630,C631,C632, C633	Telcordia Issue 1	Level I		10.00	0.004535	.2100	220487045.01
1121622780	Capacitor	C398	Telcordia Issue 1	Level I		1.00	0.004535	.0210	220487045.01
1121633180	Capacitor	C542	Telcordia Issue 1	Level I		1.00	0.004535	.0210	220487045.01
1121647480	Capacitor	C448	Telcordia Issue 1	Level I		1.00	0.004535	.0210	220487045.01
1121701080	Capacitor	BC146,BC62,C202, C207,C215,C260, C274,C367,C377	Telcordia Issue 1	Level I		9.00	0.004535	.1890	220487045.01
1121747890	Capacitor	C3	Telcordia Issue 1	Level I		1.00	0.004535	.0210	220487045.01
1122522890	Capacitor	C382,C410,C415, C450	Telcordia Issue 1	Level I		4.00	0.004535	.0840	220487045.01
1122601680	Capacitor	BC24,BC25	Telcordia Issue 1	Level I		2.00	0.004535	.0420	220487045.01
1124410190	Capacitor	C606,C617	Telcordia Issue 1	Level I		2.00	0.004535	.0420	220487045.01
1124418090	Capacitor	C123,C125,C145, C146	Telcordia Issue 1	Level I		4.00	0.004535	.0840	220487045.01

AAEON Reliability Prediction Report

Part Number 9697QM6736-D
Reference Des
Date 09. 14, 2012
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description
File Name AEC-6967-A1-1010.RPJ
Time 11:51
Failure Rate 21.597411
MTBF 46,302

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1124418190	Capacitor	C317,C318,C319, C320,C321,C322, C323,C324,C325, C326,C327,C328, C329,C330,C331, C332,C333,C334, C335,C336,C337, C338,C339,C340, C341,C342,C343, C344,C345,C346, C347,C348	Telcordia Issue 1	Level I		32.00	0.004535	.6720	220487045.01
1124427090	Capacitor	C249,C250,C352, C353,C354,C357, C358,C359,C360	Telcordia Issue 1	Level I		9.00	0.004535	.1890	220487045.01
1314880511	Integrated Circuit	U20	Telcordia Issue 1	Level I		1.00	0.059366	.2749	16844654.92
1124433190	Capacitor	C429	Telcordia Issue 1	Level I		1.00	0.004535	.0210	220487045.01
1124468090	Capacitor	C240,C243,C469	Telcordia Issue 1	Level I		3.00	0.004535	.0630	220487045.01
1124518280	Capacitor	C393	Telcordia Issue 1	Level I		1.00	0.004535	.0210	220487045.01
1124522190	Capacitor	C378,C379,C380, C381	Telcordia Issue 1	Level I		4.00	0.004535	.0840	220487045.01
1121647780	Capacitor	C395,C396	Telcordia Issue 1	Level I		2.00	0.004535	.0420	220487045.01
1124533190	Capacitor	C203	Telcordia Issue 1	Level I		1.00	0.004535	.0210	220487045.01
1124582880	Capacitor	C437	Telcordia Issue 1	Level I		1.00	0.004535	.0210	220487045.01
1129522790	Capacitor	C438,C439,C443, C446,C447,C455, C456,C460,C462, C464	Telcordia Issue 1	Level I		10.00	0.004535	.2100	220487045.01
1129610051	Capacitor	TC20,TC41,TC45, TC46	Telcordia Issue 1	Level I		4.00	0.004535	.0840	220487045.01
1129610080	Capacitor	C102,C103,C107, C108,C109,C110, C111,C112,C121, C122,C153,C173, C217,C245,C265, C266,C278,C281, C365,C543,C544, C547,C548,C88,C89, C90,C91,C92,C93, TC11,TC13,TC14, TC15,TC16,TC17, TC18,TC22,TC23, TC24,TC25,TC27,	Telcordia Issue 1	Level I		64.00	0.004535	1.3440	220487045.01
1129647650	Capacitor	C251,C252	Telcordia Issue 1	Level I		2.00	0.004535	.0420	220487045.01

AAEON Reliability Prediction Report

Part Number 9697QM6736-D
Reference Des
Date 09. 14, 2012
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description
File Name AEC-6967-A1-1010.RPJ
Time 11:51
Failure Rate 21.597411
MTBF 46,302

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1129701690	Capacitor	C550,C557,C558, C559,C560,C561, C562,C568,C569, C570,C571,C572, C573,C574,C576	Telcordia Issue 1	Level I		15.00	0.004535	.3150	220487045.01
1129701790	Capacitor	C152,C159,C160, C205,C253,C283, C284,C285,C286, C287,C288,C289, C290,C291,C292, C293,C294,C295, C296,C297,C298, C299,C300,C301, C302,C419,C434, C610,C619	Telcordia Issue 1	Level I		29.00	0.004535	.6090	220487045.01
1129710050	Capacitor	TC52	Telcordia Issue 1	Level I		1.00	0.004535	.0210	220487045.01
1129710090	Capacitor	C349,C350,C351, C355,C356,C361, C362	Telcordia Issue 1	Level I		7.00	0.004535	.1470	220487045.01
1129710390	Capacitor	C267,C268,C383, C384,C386,C388, C390,C399,C402, C430,C457,C458, C461,C463,C465	Telcordia Issue 1	Level I		15.00	0.004535	.3150	220487045.01
1129722091	Capacitor	C218	Telcordia Issue 1	Level I		1.00	0.004535	.0210	220487045.01
1129747090	Capacitor	C445,C611	Telcordia Issue 1	Level I		2.00	0.004535	.0420	220487045.01
1129747091	Capacitor	C431	Telcordia Issue 1	Level I		1.00	0.004535	.0210	220487045.01
1129747650	Capacitor	C219,C220,C223, C224,C375,C376, C477,C482	Telcordia Issue 1	Level I		8.00	0.004535	.1680	220487045.01
1174522180	Capacitor	CP1,CP2,CP3,CP4	Telcordia Issue 1	Level I		4.00	0.005466	.1012	182961702.19
1181610180	Capacitor	EC10,EC22,EC6	Telcordia Issue 1	Level I		3.00	0.004535	.0630	220487045.01
1189610151	Capacitor	C470	Telcordia Issue 1	Level I		1.00	0.004535	.0210	220487045.01
118961018A	Capacitor	C235,EC5,EC9	Telcordia Issue 1	Level I		3.00	0.004535	.0630	220487045.01
1189633162	Capacitor	C408,C409,C414, C427,EC1,EC12,EC2, EC23,EC24	Telcordia Issue 1	Level I		9.00	0.004535	.1890	220487045.01
1189647180	Capacitor	EC17,EC18,EC19, EC20,EC21,EC26, EC28	Telcordia Issue 1	Level I		7.00	0.004535	.1470	220487045.01
1189647190	Capacitor	EC11,EC7,EC8	Telcordia Issue 1	Level I		3.00	0.004535	.0630	220487045.01
11A4410280	Capacitor	C204	Telcordia Issue 1	Level I		1.00	0.004535	.0210	220487045.01
11C1522480	Capacitor	C397,C436,C615, C616	Telcordia Issue 1	Level I		4.00	0.004535	.0840	220487045.01
11C1533890	Capacitor	C476,C480	Telcordia Issue 1	Level I		2.00	0.004535	.0420	220487045.01
11C1547890	Capacitor	C604	Telcordia Issue 1	Level I		1.00	0.004535	.0210	220487045.01

AAEON Reliability Prediction Report

Part Number 9697QM6736-D
Reference Des
Date 09. 14, 2012
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description
File Name AEC-6967-A1-1010.RPJ
Time 11:51
Failure Rate 21.597411
MTBF 46,302

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
11E9622050	Capacitor	C10,C11,C157,C161, C176,C183,C19,C20, C21,C22,C23,C24, C25,C26,C27,C28, C29,C30,C31,C32, C33,C34,C35,C36, C40,C41,C416,C417, C42,C420,C425,C43, C471,C473,C474, C475,C478,C59,C60, C61,C69,C7,C70,C71, C72,C73,C74,C75, C76,C77,C78,C79	Telcordia Issue 1	Level I		59.00	0.004535	1.2390	220487045.01
11E9622080	Capacitor	C163,C164,C241	Telcordia Issue 1	Level I		3.00	0.004535	.0630	220487045.01
11E9647680	Capacitor	C199	Telcordia Issue 1	Level I		1.00	0.004535	.0210	220487045.01
1211100113	Inductor	L1,L4,L5	Telcordia Issue 1	Level I		3.00	0.002268	.0315	440974090.03
1211100160	Inductor	L2	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
121110100F	Inductor	L6	Telcordia Issue 1	Level I		1.00	0.086173	.3990	11604581.32
1211101064	Inductor	L20,L22	Telcordia Issue 1	Level I		2.00	0.086173	.7980	11604581.32
121110156A	Inductor	L21,L23	Telcordia Issue 1	Level I		2.00	0.086173	.7980	11604581.32
1211103672	Inductor	L18	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
1211103672	Inductor	L19	Telcordia Issue 1	Level I	36.00	1.00	0.004255	.0197	235001155.96
1211103671	Inductor	L24	Telcordia Issue 1	Level I	25.00	1.00	0.135412	.6270	7384879.02
1211103671	Inductor	L25,L26,L27	Telcordia Issue 1	Level I		3.00	0.086173	1.1970	11604581.32
1211104760	Inductor	L11	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
1212306030	Resistor	FB25,FB3,FB4,FB5, FB6	Telcordia Issue 1	Level I		5.00	0.011379	.2634	87878027.07
1212306032	Inductor	FB29,FB30,L29,L30	Telcordia Issue 1	Level I		4.00	0.002268	.0420	440974090.03
121230603S	Inductor	FB15,FB21	Telcordia Issue 1	Level I		2.00	0.002268	.0210	440974090.03
121230603Z	Inductor	FB10,FB11,FB12, FB20,FB7,FB8,FB9	Telcordia Issue 1	Level I		7.00	0.002268	.0735	440974090.03
1212308054	Resistor	FB14,L13,L14,L15, L16,L17	Telcordia Issue 1	Level I		6.00	0.011379	.3161	87878027.07
121110226U	Inductor	L12	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
12123D0001	Inductor	FB22,FB23,FB24	Telcordia Issue 1	Level I		3.00	0.002268	.0315	440974090.03
123132505D	Miscellaneous	Y2,Y3,Y4	Telcordia Issue 1	Level I		3.00	0.150000	2.0836	6666666.67
1231332722	Miscellaneous	Y1	Telcordia Issue 1	Level I		1.00	0.150000	.6945	6666666.67
1233348051	Miscellaneous	OSC1	Telcordia Issue 1	Level I		1.00	0.360000	1.6669	2777777.78
1301003440	Semiconductor	D54,D55,D66,D67, D68,D69,D82	Telcordia Issue 1	Level I		7.00	0.023881	.7740	41874327.58
1301005440	Semiconductor	D43,D44,D48,D52,D8	Telcordia Issue 1	Level I		5.00	0.023881	.5529	41874327.58

AAEON Reliability Prediction Report

Part Number 9697QM6736-D
Reference Des
Date 09. 14, 2012
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description
File Name AEC-6967-A1-1010.RPJ
Time 11:51
Failure Rate 21.597411
MTBF 46,302

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1301005442	Semiconductor	D4,D5,D58,D60,D64, D65,D80	Telcordia Issue 1	Level I		7.00	0.023881	.7740	41874327.58
1301005444	Semiconductor	D1,D2,D3,D59,D76, D77,D78,D79	Telcordia Issue 1	Level I		8.00	0.023881	.8846	41874327.58
1301005450	Semiconductor	D6,D7	Telcordia Issue 1	Level I		2.00	0.023881	.2211	41874327.58
1301013041	Semiconductor	D71	Telcordia Issue 1	Level I		1.00	0.023881	.1106	41874327.58
1300414841	Semiconductor	D62,D63	Telcordia Issue 1	Level I		2.00	0.023881	.2211	41874327.58
1302005641	Semiconductor	D70	Telcordia Issue 1	Level I		1.00	0.047762	.2211	20937163.79
1304001340	Semiconductor	D10,LED1,LED2	Telcordia Issue 1	Level I		3.00	0.004877	.0677	205063180.81
1305100541	Semiconductor	D11,D12,D13,D14, D15,D16,D17,D18, D19,D20,D21,D22, D23,D24,D25,D26, D45,D46,D47,D49, D50,D51,D53	Telcordia Issue 1	Level I		23.00	0.023881	2.5432	41874327.58
130533CA40	Semiconductor	D61	Telcordia Issue 1	Level I		1.00	0.023881	.1106	41874327.58
1310390410	Semiconductor	Q29,Q78,Q8,Q80,Q82, Q87,Q88,Q94,Q97	Telcordia Issue 1	Level I		9.00	0.023881	.9952	41874327.58
1310390413	Semiconductor	Q93	Telcordia Issue 1	Level I		1.00	0.023881	.1106	41874327.58
1311390610	Semiconductor	Q89	Telcordia Issue 1	Level I		1.00	0.023881	.1106	41874327.58
1311390612	Semiconductor	Q90	Telcordia Issue 1	Level I		1.00	0.023881	.1106	41874327.58
1314780511	Integrated Circuit	U49	Telcordia Issue 1	Level I		1.00	0.059366	.2749	16844654.92
1314895510	Integrated Circuit	U63	Telcordia Issue 1	Level I	14.50	1.00	0.163246	.7559	6125710.50
1315050311	Integrated Circuit	Q40,Q41,Q45,Q48, Q50,Q52,Q54,Q55, Q60,Q63	Telcordia Issue 1	Level I		10.00	0.059366	2.7488	16844654.92
1315230511	Semiconductor	Q102,Q103,Q27,Q85, Q86	Telcordia Issue 1	Level I		5.00	0.079603	1.8429	12562298.27
1315441012	Semiconductor	Q76	Telcordia Issue 1	Level I		1.00	0.079603	.3686	12562298.27
1315482410	Semiconductor	U62,U64,U65,U67	Telcordia Issue 1	Level I		4.00	0.079603	1.4743	12562298.27
1315567011	Semiconductor	Q100,Q95,Q96,Q98	Telcordia Issue 1	Level I		4.00	0.079603	1.4743	12562298.27
1315667910	Semiconductor	U61	Telcordia Issue 1	Level I		1.00	0.159207	.7372	6281149.14
1315668510	Semiconductor	Q70	Telcordia Issue 1	Level I		1.00	0.079603	.3686	12562298.27
1315700211	Semiconductor	Q20,Q21,Q22,Q23, Q83,Q84	Telcordia Issue 1	Level I		6.00	0.079603	2.2115	12562298.27
1315700216	Semiconductor	Q1	Telcordia Issue 1	Level I		1.00	0.079603	.3686	12562298.27
1315700216	Semiconductor	Q104,Q105,Q47, Q6,Q69,Q7,Q71,Q72, Q73,Q74,Q75,Q77, Q79,Q81,Q91,Q92	Telcordia Issue 1	Level I		16.00	0.079603	5.8972	12562298.27
1315700217	Semiconductor	Q10,Q11,Q12,Q13, Q14,Q15,Q16,Q17, Q24,Q25,Q26,Q30	Telcordia Issue 1	Level I		12.00	0.079603	4.4229	12562298.27
1315970211	Semiconductor	U15,U16,U17,U18, U19	Telcordia Issue 1	Level I		5.00	0.159207	3.6858	6281149.14

AAEON Reliability Prediction Report

Part Number 9697QM6736-D
Reference Des
Date 09. 14, 2012
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description
File Name AEC-6967-A1-1010.RPJ
Time 11:51
Failure Rate 21.597411
MTBF 46,302

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate,%	MTBF, Unit
1315R30310	Integrated Circuit	Q42,Q43,Q46,Q49, Q51,Q53,Q56,Q57, Q58,Q59,Q61,Q62, Q64,Q65	Telcordia Issue 1	Level I		14.00	0.059366	3.8483	16844654.92
14S2083600	Integrated Circuit	U58	Telcordia Issue 1	Level I		1.00	0.026183	.1212	38193355.79
14S2200900	Integrated Circuit	U26	Telcordia Issue 1	Level I		1.00	0.059366	.2749	16844654.92
14S3052400	Integrated Circuit	U28,U29,U31,U32	Telcordia Issue 1	Level I		4.00	0.059366	1.0995	16844654.92
14S3089200	Integrated Circuit	U8	Telcordia Issue 1	Level I	28.00	1.00	0.117887	.5458	8482732.39
14S3111600	Integrated Circuit	U56	Telcordia Issue 1	Level I		1.00	0.032000	.1482	31250122.20
14S3121800	Integrated Circuit	U57	Telcordia Issue 1	Level I		1.00	0.059366	.2749	16844654.92
14S3378000	Integrated Circuit	U89	Telcordia Issue 1	Level I		1.00	0.059366	.2749	16844654.92
14S3435600	Integrated Circuit	U86	Telcordia Issue 1	Level I		1.00	0.059366	.2749	16844654.92
14S3520900	Integrated Circuit	U90	Telcordia Issue 1	Level I		1.00	0.059366	.2749	16844654.92
14S3524700	Integrated Circuit	Q28	Telcordia Issue 1	Level I		1.00	0.059366	.2749	16844654.92
14S3587000	Integrated Circuit	U54,U55	Telcordia Issue 1	Level I		2.00	0.059366	.5498	16844654.92
14S4021301	Integrated Circuit	U22,U23,U24,U25, U84	Telcordia Issue 1	Level I		5.00	0.059366	1.3744	16844654.92
14S4021310	Integrated Circuit	U75	Telcordia Issue 1	Level I		1.00	0.059366	.2749	16844654.92
14S4048503	Integrated Circuit	U80,U81	Telcordia Issue 1	Level I		2.00	0.059366	.5498	16844654.92
14S4186600	Integrated Circuit	U91	Telcordia Issue 1	Level I		1.00	0.026183	.1212	38193355.79
14S4257900	Integrated Circuit	U12	Telcordia Issue 1	Level I		1.00	0.026183	.1212	38193355.79
14S4622800	Integrated Circuit	U50	Telcordia Issue 1	Level I		1.00	0.059366	.2749	16844654.92
14S4811102	Integrated Circuit	U13	Telcordia Issue 1	Level I		1.00	0.026183	.1212	38193355.79
14S4QM6700	Integrated Circuit	U4	Telcordia Issue 1	Level I	13.60	1.00	0.056243	.2604	17779896.86
14S5908000	Integrated Circuit	U48,U7	Telcordia Issue 1	Level I		2.00	0.059366	.5498	16844654.92
14S5A00601	Integrated Circuit	U79	Telcordia Issue 1	Level I		1.00	0.026183	.1212	38193355.79
14S5A00702	Integrated Circuit	U11,U2,U5	Telcordia Issue 1	Level I		3.00	0.059366	.8246	16844654.92
14S5A00704	Integrated Circuit	U3,U41,U47	Telcordia Issue 1	Level I		3.00	0.026183	.3637	38193355.79
14S5A00802	Integrated Circuit	U39,U42,U44,U46	Telcordia Issue 1	Level I		4.00	0.026183	.4849	38193355.79
14S5A00821	Integrated Circuit	U21,U33	Telcordia Issue 1	Level I		2.00	0.026183	.2425	38193355.79
14S5A12503	Integrated Circuit	U78	Telcordia Issue 1	Level I		1.00	0.059366	.2749	16844654.92
14S5A12506	Integrated Circuit	U85	Telcordia Issue 1	Level I		1.00	0.026183	.1212	38193355.79
14S6334607	Integrated Circuit	U14	Telcordia Issue 1	Level I		1.00	0.022943	.1062	43586356.53
14S7035701	Integrated Circuit	ISO2,ISO4,ISO6, ISO8	Telcordia Issue 1	Level I		4.00	0.059366	1.0995	16844654.92
14S7041000	Integrated Circuit	ISO1,ISO10,ISO3, ISO5,ISO7,ISO9	Telcordia Issue 1	Level I		6.00	0.059366	1.6493	16844654.92
14S7141100	Integrated Circuit	U72,U76	Telcordia Issue 1	Level I		2.00	0.059366	.5498	16844654.92
14S7141200	Integrated Circuit	U74,U82	Telcordia Issue 1	Level I		2.00	0.059366	.5498	16844654.92
14S9108500	Integrated Circuit	U38,U40,U43,U45	Telcordia Issue 1	Level I		4.00	0.059366	1.0995	16844654.92

AAEON Reliability Prediction Report

Part Number 9697QM6736-D
Reference Des
Date 09. 14, 2012
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description
File Name AEC-6967-A1-1010.RPJ
Time 11:51
Failure Rate 21.597411
MTBF 46,302

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
14S9341101	Integrated Circuit	U27,U30	Telcordia Issue 1	Level I		2.00	0.026183	.2425	38193355.79
14S9620800	Integrated Circuit	U59	Telcordia Issue 1			1.00	0.070411	.3260	14202225.56
1540733085	Resistor	RP5,RP6,RP7,RP8, RP9	Telcordia Issue 1	Level I		5.00	0.006246	.1446	160102772.00
165300420L	Connection	CN3	Telcordia Issue 1	Level I		1.00	0.004552	.0211	219695067.68
1653005209	Connection	CN1	Telcordia Issue 1	Level I		1.00	0.005690	.0263	175756054.14
1653212100	Connection	CN9	Telcordia Issue 1	Level I		1.00	0.006828	.0316	146463378.45
1653924110	Connection	CN8	Telcordia Issue 1	Level I		1.00	0.001138	.0053	878780270.71
1654030003	Connection	CN17	Telcordia Issue 1	Level I		1.00	0.017069	.0790	58585351.38
1654903900	Connection	SIM1	Telcordia Issue 1	Level I		1.00	0.022759	.1054	43939013.54
1752000501	Miscellaneous	FS8,FS9	Telcordia Issue 1	Level I		2.00	0.003000	.0278	333333333.33
1752001603	Miscellaneous	FS3,FS4,FS5,FS6, FS7	Telcordia Issue 1	Level I		5.00	0.003000	.0695	333333333.33
1752001900	Miscellaneous	F1,F2	Telcordia Issue 1	Level I		2.00	0.003000	.0278	333333333.33
1752011000	Miscellaneous	FS2	Telcordia Issue 1	Level I		1.00	0.003000	.0139	333333333.33
1052730009	Resistor	R1104,R1105,R1106, R1107,R1108,R1109, R1110,R1111	Telcordia Issue 1	Level I		8.00	0.002268	.0840	440974090.03
1654226303	Connection	CN21,CN24	Telcordia Issue 1	Level I		2.00	0.001138	.0105	878780270.71
14S4963501	Integrated Circuit	U10	Telcordia Issue 1	Level I		1.00	0.059366	.2749	16844654.92
1540710382	Resistor	RP10,RP11	Telcordia Issue 1	Level I		2.00	0.006246	.0578	160102772.00
1540722281	Resistor	RP4	Telcordia Issue 1	Level I		1.00	0.006246	.0289	160102772.00
14S4150006	Integrated Circuit	U1	Telcordia Issue 1	Level I	26.80	1.00	0.111114	.5145	8999742.96
1653003202	Connection	JP11,JP9	Telcordia Issue 1	Level I		2.00	0.001138	.0105	878780270.71
165320520C	Connection	CN10,CN11,DIO2, USB1	Telcordia Issue 1	Level I		4.00	0.005690	.1054	175756054.14
105270000A	Resistor	R923	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
1301SK5640	Semiconductor	D81	Telcordia Issue 1	Level I		1.00	0.159207	.7372	6281149.14
14S5A73200	Integrated Circuit	U34	Telcordia Issue 1	Level I		1.00	0.026183	.1212	38193355.79
16515A2994	Connection	DIMM1	Telcordia Issue 1	Level I		1.00	0.001138	.0053	878780270.71
16515A2992	Connection	DIMM2	Telcordia Issue 1	Level I		1.00	0.001138	.0053	878780270.71
1315013810	Semiconductor	Q5	Telcordia Issue 1	Level I		1.00	0.079603	.3686	12562298.27
1052510719	Resistor	R1008,R1012,R1016, R1020	Telcordia Issue 1	Level I		4.00	0.002268	.0420	440974090.03
1050501054	Resistor	R116	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
105A548713	Resistor	R694	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
1059701001	Resistor	R890	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
165390003B	Connection	CN8_1	Telcordia Issue 1	Level I		1.00	0.001138	.0053	878780270.71
1653003101	Connection	JP1,JP2,JP3,JP4, JP5	Telcordia Issue 1	Level I		5.00	0.001707	.0395	585853513.81
1114633130	Capacitor	C602,C603	Telcordia Issue 1	Level I		2.00	0.042673	.3952	23434140.55
1119633195	Capacitor	C259,C262,C273, C276,C364	Telcordia Issue 1	Level I		5.00	0.042673	.9879	23434140.55

AAEON Reliability Prediction Report

Part Number 9697QM6736-D
Reference Des
Date 09. 14, 2012
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description
File Name AEC-6967-A1-1010.RPJ
Time 11:51
Failure Rate 21.597411
MTBF 46,302

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1169656132	Capacitor	EC14,EC25	Telcordia Issue 1	Level I		2.00	0.005466	.0506	182961702.19
1181627193	Capacitor	EC27	Telcordia Issue 1	Level I		1.00	0.004535	.0210	220487045.01
1181633112	Capacitor	C609,C613	Telcordia Issue 1	Level I		2.00	0.004535	.0420	220487045.01
1189656193	Capacitor	C187,C192	Telcordia Issue 1	Level I		2.00	0.004535	.0420	220487045.01
1214216190	Inductor	L31	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
14S6206402	Integrated Circuit	BIOS_FLASH1	Telcordia Issue 1	Level I		1.00	0.026183	.1212	38193355.79
1655304020	Connection	CN5	Telcordia Issue 1	Level I		1.00	0.002276	.0105	439390135.35
1601123600	Switching Device	SW1	Telcordia Issue 1	Level I		1.00	0.028449	.1317	35151210.83
1652003101	Connection	CN31	Telcordia Issue 1	Level I		1.00	0.001707	.0079	585853513.81
1652010100	Connection	CN29	Telcordia Issue 1	Level I		1.00	0.001138	.0053	878780270.71
1652517205	Connection	AUDIO1	Telcordia Issue 1	Level I		1.00	0.001138	.0053	878780270.71
1652522208	Connection	CN6,CN7	Telcordia Issue 1	Level I		2.00	0.022759	.2108	43939013.54
1653002101	Connection	J6	Telcordia Issue 1	Level I		1.00	0.001138	.0053	878780270.71
1653003201	Connection	JP8	Telcordia Issue 1	Level I		1.00	0.001138	.0053	878780270.71
1654232200	Connection	CN26,CN33	Telcordia Issue 1	Level I		2.00	0.036414	.3372	27461883.46
1654430301	Connection	CN16	Telcordia Issue 1	Level I		1.00	0.017069	.0790	58585351.38
1654434300	Connection	CN15_1	Telcordia Issue 1	Level I		1.00	0.001138	.0053	878780270.71
165490700C	Connection	SATA1,SATA2	Telcordia Issue 1	Level I		2.00	0.001138	.0105	878780270.71
1654914300	Connection	CN27	Telcordia Issue 1	Level I		1.00	0.015931	.0738	62770019.34
1655004011	Connection	PWR1,PWR2	Telcordia Issue 1	Level I		2.00	0.022759	.2108	43939013.54
1655004014	Connection	FAN1,FAN2	Telcordia Issue 1	Level I		2.00	0.001138	.0105	878780270.71
1655103010	Connection	CN32	Telcordia Issue 1	Level I		1.00	0.022759	.1054	43939013.54
1655305020	Connection	CN18	Telcordia Issue 1	Level I		1.00	0.002845	.0132	351512108.28
1655404020	Connection	CN2	Telcordia Issue 1	Level I		1.00	0.002276	.0105	439390135.35
1750220323	Connection	BAT1	Telcordia Issue 1	Level I		1.00	0.001138	.0053	878780270.71
175910000B	Miscellaneous	BZ1	Telcordia Issue 1	Level I		1.00	0.150000	.6945	6666666.67
1654418103	Connection	CN13,CN30	Telcordia Issue 1	Level I		2.00	0.010241	.0948	97642252.30
1304451400	Semiconductor	D57	Telcordia Issue 1	Level I		1.00	0.004877	.0226	205063180.81
1211100110	Inductor	L35	Telcordia Issue 1	Level I		1.00	0.002268	.0105	440974090.03
1654907002	Connection	SATA3,SATA4	Telcordia Issue 1	Level I		2.00	0.003983	.0369	251080077.35
175011901H	Miscellaneous	BAT1	Telcordia Issue 1	Level I		1.00	0.900000	4.1672	1111111.11
1181610191	Capacitor	EC15,EC16,EC3	Telcordia Issue 1	Level I		3.00	0.004535	.0630	220487045.01
12510MA010	Integrated Circuit	U71,U83	Telcordia Issue 1	Level I		2.00	0.059366	.5498	16844654.92

AAEON Reliability Prediction Report

Part Number 9697T22800-D
Reference Des
Date 09. 14, 2012
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description
File Name AEC-6967-A1-1010.RPJ
Time 11:51
Failure Rate 1.565135
MTBF 638,922

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1050502204	Resistor	R25	Telcordia Issue 1	Level I		1.00	0.002268	.1449	440974090.03
1050504724	Resistor	R1,R10,R11,R12,R13, R14,R15,R16,R17, R18,R19,R2,R20,R21, R22,R23,R3,R34,R35, R4,R44,R45,R46,R5, R52,R6,R66,R67,R7, R8,R87,R9	Telcordia Issue 1	Level I		32.00	0.002268	4.6364	440974090.03
1050505124	Resistor	R61	Telcordia Issue 1	Level I		1.00	0.002268	.1449	440974090.03
1050510034	Resistor	R81	Telcordia Issue 1	Level I		1.00	0.002268	.1449	440974090.03
1050569824	Resistor	R84	Telcordia Issue 1	Level I		1.00	0.002268	.1449	440974090.03
1059501031	Resistor	R40	Telcordia Issue 1	Level I		1.00	0.002268	.1449	440974090.03
105A500139	Resistor	R24,R26,R31,R36, R38,R39,R65,R73	Telcordia Issue 1	Level I		8.00	0.002268	1.1591	440974090.03
105A502133	Resistor	R71	Telcordia Issue 1	Level I		1.00	0.002268	.1449	440974090.03
105A504773	Resistor	R72	Telcordia Issue 1	Level I		1.00	0.002268	.1449	440974090.03
105A506829	Resistor	R70	Telcordia Issue 1	Level I		1.00	0.002268	.1449	440974090.03
105A509123	Resistor	R74	Telcordia Issue 1	Level I		1.00	0.002268	.1449	440974090.03
105A562034	Resistor	R83	Telcordia Issue 1	Level I		1.00	0.002268	.1449	440974090.03
105A700009	Resistor	R41,R48,R53,R56, R62,R63,R64,R77	Telcordia Issue 1	Level I		8.00	0.002268	1.1591	440974090.03
105A700139	Resistor	R68,R69,R80	Telcordia Issue 1	Level I		3.00	0.002268	.4347	440974090.03
105A701039	Resistor	R82,R86	Telcordia Issue 1	Level I		2.00	0.002268	.2898	440974090.03
105A705129	Resistor	R37	Telcordia Issue 1	Level I		1.00	0.002268	.1449	440974090.03
105A710039	Resistor	R76,R78,R79,R85	Telcordia Issue 1	Level I		4.00	0.002268	.5796	440974090.03
1121501690	Capacitor	BC1,BC2,BC3,BC4, C13,C14,C15,C16, C17,C18,C20,C21, C22,C23,C24,C25, C27,C28,C29,C3,C30, C31,C34,C35,C36, C37,C39,C4,C40,C42, C43,C45,C46,C48, C49,C5,C62,C64,C68, C7	Telcordia Issue 1	Level I		40.00	0.004535	11.5911	220487045.01
1121501691	Capacitor	C54	Telcordia Issue 1	Level I		1.00	0.004535	.2898	220487045.01
1121610060	Capacitor	C55,C56,C57	Telcordia Issue 1	Level I		3.00	0.004535	.8693	220487045.01
1124410190	Capacitor	C33	Telcordia Issue 1	Level I		1.00	0.004535	.2898	220487045.01
1124427091	Capacitor	C50	Telcordia Issue 1	Level I		1.00	0.004535	.2898	220487045.01
1124547190	Capacitor	C58	Telcordia Issue 1	Level I		1.00	0.004535	.2898	220487045.01
1129701791	Capacitor	C65	Telcordia Issue 1	Level I		1.00	0.004535	.2898	220487045.01

