

EMB-LN8T

Reliability Prediction Report (MTBF)

Summary	Failure Rate: 18.179506 ppm MTBF: 55,007 Hours
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Issue date	Approval	Test Engineer
2011/08/12	Jansin Lee	Rex Chang

Reliability Prediction (MTBF)

I . Model Name: EMB-LN8T-A03

II . Prediction Date: August. 12, 2011

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

IV . Predicted by: Rex Chang

V . Equipment: Relx Ver.7.3 Visual Reliability Software

VI. Simulation Environment:

- Temperature: 25.0 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:

EMB-LN8T-A03:

- Failure Rate: 18.179506 ppm
- MTBF: 55,007 Hours

AAEON Reliability Prediction Report

Part Number 9697LN8T03-D
Reference Des
Date 08. 12, 2011
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description Top-level assembly
File Name EMB-LN8T A0.3.RPJ
Time 14:25
Failure Rate 18.179506
MTBF 55,007

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
EMB-LN8T A0.3	9697LN8T03-D	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled	100.00	1.00	18.18	55006.99

AAEON Reliability Prediction Report

Part Number 9697LN8T03-D
Reference Des
Date 08. 12, 2011
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00

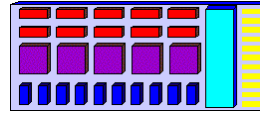


Description Top-level assembly
File Name EMB-LN8T A0.3.RPJ
Time 14:25
Failure Rate 18.179506
MTBF 55,007

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1129622690	Capacitor	C234,C270,C276, C289,C291,C296, C407,C412,C432, C441,C514,C515, C523,C524,C528, C545	Telcordia Issue 1	Level I		16.00	0.004535	.3992	220487045.01
1124522680	Capacitor	C268,C587	Telcordia Issue 1	Level I		2.00	0.004535	.0499	220487045.01
11E2501080	Capacitor	C269,C280,C281, C300,C306,C313, C566,C567,C568, C577,C578,C591, C592,C604,C605, C613,C614	Telcordia Issue 1	Level I		17.00	0.004535	.4241	220487045.01
11C1522650	Capacitor	C286,C546	Telcordia Issue 1	Level I		2.00	0.004535	.0499	220487045.01
1124582180	Capacitor	C287	Telcordia Issue 1	Level I		1.00	0.004535	.0249	220487045.01
1124533280	Capacitor	C288	Telcordia Issue 1	Level I		1.00	0.004535	.0249	220487045.01
1189633160	Capacitor	C395,C403	Telcordia Issue 1	Level I	24.60	5.00	0.007079	.1947	141253132.67
1189633160	Capacitor	C292, C457,C525	Telcordia Issue 1	Level I		5.00	0.004535	.1247	220487045.01
11E9647680	Capacitor	C405,C438	Telcordia Issue 1	Level I		2.00	0.004535	.0499	220487045.01
1189610151	Capacitor	C434	Telcordia Issue 1	Level I		1.00	0.004535	.0249	220487045.01
1124522881	Capacitor	C449,C484	Telcordia Issue 1	Level I		2.00	0.004535	.0499	220487045.01
1121647780	Capacitor	C465,C470	Telcordia Issue 1	Level I		2.00	0.004535	.0499	220487045.01
1124522280	Capacitor	C516,C631	Telcordia Issue 1	Level I		2.00	0.004535	.0499	220487045.01
1124447180	Capacitor	C548	Telcordia Issue 1	Level I		1.00	0.004535	.0249	220487045.01
1301400541	Semiconductor	D1,D23,D36,D38,D40, D41,D42	Telcordia Issue 1	Level I		7.00	0.023881	.9195	41874327.58
1305100541	Semiconductor	D10,D11,D15,D16, D17,D18,D19,D2,D20, D21,D22,D4,D5,D6, D7,D8,D9	Telcordia Issue 1	Level I		17.00	0.023881	2.2332	41874327.58
1301400642	Semiconductor	D12,D13,D14,D28, D29,D3,D30,D35,D37, D39	Telcordia Issue 1	Level I		10.00	0.023881	1.3136	41874327.58
1305099140	Semiconductor	D26,D27	Telcordia Issue 1	Level I		2.00	0.079603	.8757	12562298.27
1301005444	Semiconductor	D33,D34	Telcordia Issue 1	Level I		2.00	0.023881	.2627	41874327.58
1752001601	Miscellaneous	FS1,FS2	Telcordia Issue 1	Level I		2.00	0.003000	.0330	33333333.33
1752000501	Miscellaneous	FS3,FS4	Telcordia Issue 1	Level I		2.00	0.003000	.0330	33333333.33
1304101440	Semiconductor	LED1	Telcordia Issue 1	Level I		1.00	0.004877	.0268	205063180.81
1304000043	Semiconductor	LED2	Telcordia Issue 1	Level I		1.00	0.004877	.0268	205063180.81
12123D0001	Inductor	L1,L2,L3	Telcordia Issue 1	Level I		3.00	0.002268	.0374	440974090.03
12123C0006	Inductor	L10,L11,L15,L17,L4, L5,L6,L7	Telcordia Issue 1	Level I		8.00	0.002268	.0998	440974090.03

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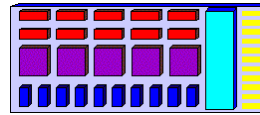


Description Top-level assembly
File Name EMB-LN8T A0.3.RPJ
Time 14:25
Failure Rate 18.179506
MTBF 55,007

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate,%	MTBF, Unit
12123C0010	Inductor	L12,L13,L14,L16, L19,L20,L25,L27, L30,L33,L39,L40, L41,L43,L46,L49,L8,L9	Telcordia Issue 1	Level I		18.00	0.002268	.2245	440974090.03
121110226N	Inductor	L18,L21	Telcordia Issue 1	Level I		2.00	0.086173	.9480	11604581.32
121110106G	Inductor	L23,L24,L32,L55	Telcordia Issue 1	Level I		4.00	0.086173	1.8960	11604581.32
121110106D	Inductor	L26,L29,L42,L47, L50,L51	Telcordia Issue 1	Level I		6.00	0.086173	2.8441	11604581.32
121110106F	Inductor	L31	Telcordia Issue 1	Level I	7.10	1.00	0.098716	.5430	10130099.34
12123C0003	Inductor	L44,L45	Telcordia Issue 1	Level I		2.00	0.002268	.0249	440974090.03
1315700216	Semiconductor	Q1,Q11,Q12,Q13,Q14, Q15,Q17,Q18,Q19,Q2, Q3,Q42,Q43,Q44,Q45, Q46,Q47,Q48,Q49,Q5, Q51,Q53,Q54	Telcordia Issue 1	Level I		23.00	0.159207	20.1422	6281149.14
1315230511	Semiconductor	Q16,Q29,Q30,Q4	Telcordia Issue 1	Level I		4.00	0.159207	3.5030	6281149.14
1310390413	Semiconductor	Q25,Q26,Q50,Q6,Q7, Q9	Telcordia Issue 1	Level I		6.00	0.023881	.7882	41874327.58
1311390612	Semiconductor	Q10,Q24,Q8	Telcordia Issue 1	Level I		3.00	0.023881	.3941	41874327.58
1315441012	Semiconductor	Q20,Q21,Q22,Q23, Q32,Q34,Q36,Q37, Q38,Q39,Q40,Q41	Telcordia Issue 1	Level I		12.00	0.079603	5.2545	12562298.27
1315422610	Semiconductor	Q27	Telcordia Issue 1	Level I	5.10	1.00	0.091942	.5057	10876382.30
1315R30310	Semiconductor	Q31	Telcordia Issue 1	Level I		1.00	0.079603	.4379	12562298.27
1315050311	Semiconductor	Q33	Telcordia Issue 1	Level I		1.00	0.053069	.2919	18843447.41
1315443510	Semiconductor	Q35	Telcordia Issue 1	Level I		1.00	0.079603	.4379	12562298.27
1314111720	Integrated Circuit	Q52	Telcordia Issue 1	Level I	14.20	1.00	0.160018	.8802	6249310.80
1540782282	Resistor	RN1,RN10,RN11,RN12, RN13,RN14	Telcordia Issue 1	Level I		6.00	0.006246	.2061	160102772.00
1540710382	Resistor	RN2,RN21,RN22,RN32, RN34,RN5,RN6,RN7, RN8	Telcordia Issue 1	Level I		9.00	0.006246	.3092	160102772.00
1540733085	Resistor	RN20,RN23,RN24, RN26,RN9	Telcordia Issue 1	Level I		5.00	0.006246	.1718	160102772.00
1540775082	Resistor	RN25,RN27,RN28, RN29,RN30,RN31, RN33	Telcordia Issue 1	Level I		7.00	0.006246	.2405	160102772.00
106B501032	Resistor	RT1,RT2	Telcordia Issue 1	Level I		2.00	0.011379	.1252	87878027.07
106B510030	Resistor	RT3	Telcordia Issue 1	Level I		1.00	0.011379	.0626	87878027.07
105A507503	Resistor	R1,R2,R3	Telcordia Issue 1	Level I		3.00	0.002268	.0374	440974090.03
1050502224	Resistor	R13,R153,R157,R200, R233,R244,R249, R259,R260,R264, R266,R4,R53,R54	Telcordia Issue 1	Level I		14.00	0.002268	.1746	440974090.03

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Temp. (°C) 25.00



Description Top-level assembly
File Name EMB-LN8T A0.3.RPJ
Time 14:25
Failure Rate 18.179506
MTBF 55,007

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A500139	Resistor	R121,R193,R209, R221,R272,R285, R297,R298,R307, R324,R345,R357, R365,R40,R404,R412, R421,R424,R425, R432,R453,R455, R458,R459,R47,R52, R538,R544,R570, R571,R674,R68,R72, R74,R75,R93,R94	Telcordia Issue 1	Level I		37.00	0.002268	.4615	440974090.03
105A700009	Resistor	L52,L53,L54,L56, L58,R114,R133,R137, R147,R159,R167, R168,R191,R192, R212,R224,R226, R227,R228,R229, R234,R235,R236, R237,R238,R239, R240,R241,R252, R253,R255,R256, R269,R340,R346, R347,R348,R349, R356,R364,R367,	Telcordia Issue 1	Level I		107.00	0.002268	1.3347	440974090.03
105A704729	Resistor	R103,R107,R197, R222,R352,R48,R504, R586,R589,R592, R601,R609,R641, R648,R660,R663,R67, R671,R69,R71,R73, R778,R92,R97	Telcordia Issue 1	Level I		24.00	0.002268	.2994	440974090.03
105A710039	Resistor	R268,R281,R343, R344,R50,R535,R543, R565,R655,R656, R708	Telcordia Issue 1	Level I		11.00	0.002268	.1372	440974090.03
105A524913	Resistor	R60,R61	Telcordia Issue 1	Level I		2.00	0.002268	.0249	440974090.03
105A700003	Resistor	L57,R110,R286,R366, R551,R64,R65,R709, R710,R717,R721, R723,R732,R744, R751,R752,R761, R762,R766,R81,R82	Telcordia Issue 1	Level I		21.00	0.002268	.2620	440974090.03
105A501533	Resistor	R90,R91	Telcordia Issue 1	Level I		2.00	0.002268	.0249	440974090.03

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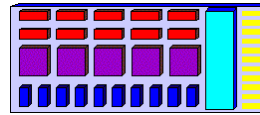


Description Top-level assembly
File Name EMB-LN8T A0.3.RPJ
Time 14:25
Failure Rate 18.179506
MTBF 55,007

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate,%	MTBF, Unit
105A708229	Resistor	R102,R108,R317, R351,R359,R360, R460,R461,R471, R483,R486,R487, R578,R597,R603, R610,R650,R651,R95, R98	Telcordia Issue 1	Level I		20.00	0.002268	.2495	440974090.03
105A510003	Resistor	R106	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
105A501053	Resistor	R118,R148,R245, R673	Telcordia Issue 1	Level I		4.00	0.002268	.0499	440974090.03
1050502204	Resistor	R127,R129,R142, R328,R331,R334, R337,R341	Telcordia Issue 1	Level I		8.00	0.002268	.0998	440974090.03
105A506803	Resistor	R171,R175	Telcordia Issue 1	Level I		2.00	0.002268	.0249	440974090.03
105A505103	Resistor	R172,R184,R196, R206,R527,R528	Telcordia Issue 1	Level I		6.00	0.002268	.0748	440974090.03
105A547003	Resistor	R185,R186,R187, R436,R438,R439, R440	Telcordia Issue 1	Level I		7.00	0.002268	.0873	440974090.03
105A500233	Resistor	R188,R290	Telcordia Issue 1	Level I		2.00	0.002268	.0249	440974090.03
105A502133	Resistor	R211	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
105A524963	Resistor	R230,R556,R562, R615	Telcordia Issue 1	Level I		4.00	0.002268	.0499	440974090.03
105A533033	Resistor	R251,R263	Telcordia Issue 1	Level I		2.00	0.002268	.0249	440974090.03
105A545303	Resistor	R271	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
105A549963	Resistor	R275,R539,R549	Telcordia Issue 1	Level I		3.00	0.002268	.0374	440974090.03
105A532413	Resistor	R278	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
105A501413	Resistor	R296	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
105A580663	Resistor	R313,R314	Telcordia Issue 1	Level I		2.00	0.002268	.0249	440974090.03
105A702263	Resistor	R362,R371,R372, R630,R763	Telcordia Issue 1	Level I		5.00	0.002268	.0624	440974090.03
105A515033	Resistor	R407,R492	Telcordia Issue 1	Level I		2.00	0.002268	.0249	440974090.03
105A575033	Resistor	R408	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
105A549913	Resistor	R410	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
1059702033	Resistor	R411	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
1050533004	Resistor	R418,R419,R420, R442,R443,R446, R447,R484,R485, R634	Telcordia Issue 1	Level I		10.00	0.002268	.1247	440974090.03
105A503033	Resistor	R493,R716	Telcordia Issue 1	Level I		2.00	0.002268	.0249	440974090.03
105A506823	Resistor	R494,R495,R745, R747	Telcordia Issue 1	Level I		4.00	0.002268	.0499	440974090.03
105A510053	Resistor	R531	Telcordia Issue 1	Level I		1.00	0.013606	.0748	73495681.67
105A533213	Resistor	R532	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
105A597604	Resistor	R533	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
105A700103	Resistor	R534,R561,R613, R619	Telcordia Issue 1	Level I		4.00	0.002268	.0499	440974090.03

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MTBF 55,007

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1059775003	Resistor	R540	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
105A556263	Resistor	R545	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
105A523713	Resistor	R557	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
105A566503	Resistor	R559	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
105A522663	Resistor	R618	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
105A554923	Resistor	R628	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
105A584523	Resistor	R629	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
105A513033	Resistor	R635,R726,R727	Telcordia Issue 1	Level I		3.00	0.002268	.0374	440974090.03
1059501001	Resistor	R636	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
105A505133	Resistor	R646	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
105A586603	Resistor	R677	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
105A580623	Resistor	R679	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
105A536533	Resistor	R680	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
1059710001	Resistor	R682,R683	Telcordia Issue 1	Level I		2.00	0.002268	.0249	440974090.03
1059722001	Resistor	R684	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
105A562033	Resistor	R725	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
105A501333	Resistor	R728	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
105A512103	Resistor	R730	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
105A505603	Resistor	R731	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
105A573223	Resistor	R736	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
105A507533	Resistor	R738,R749,R767, R769	Telcordia Issue 1	Level I		4.00	0.002268	.0499	440974090.03
105A703363	Resistor	R739,R740,R741	Telcordia Issue 1	Level I		3.00	0.002268	.0374	440974090.03
105A528723	Resistor	R748	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
105A520033	Resistor	R754	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
105A588723	Resistor	R756	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
105A502233	Resistor	R758	Telcordia Issue 1	Level I		1.00	0.002268	.0125	440974090.03
1654907009	Connection	SATA1,SATA2,SATA3	Telcordia Issue 1	Level I		3.00	0.001138	.0188	878780270.71
16515A099Z	Connection	SO-DIMM1	Telcordia Issue 1	Level I		1.00	0.001138	.0063	878780270.71
16515A099Y	Connection	SO-DIMM2	Telcordia Issue 1	Level I		1.00	0.001138	.0063	878780270.71
165320520C	Connection	USB3,USB4	Telcordia Issue 1	Level I		2.00	0.001138	.0125	878780270.71
14S2200900	Integrated Circuit	U1	Telcordia Issue 1	Level I		1.00	0.059366	.3266	16844654.92
1315686110	Semiconductor	U2,U3,U8,U9	Telcordia Issue 1	Level I		4.00	0.079603	1.7515	12562298.27
14S1230400	Integrated Circuit	U4	Telcordia Issue 1	Level I		1.00	0.026183	.1440	38193355.79
14S4021301	Integrated Circuit	U48,U49,U5,U50,U54, U6	Telcordia Issue 1	Level I		6.00	0.059366	1.9593	16844654.92
14S3524700	Integrated Circuit	U7	Telcordia Issue 1	Level I		1.00	0.059366	.3266	16844654.92
14S4811102	Integrated Circuit	U10,U11	Telcordia Issue 1	Level I		2.00	0.026183	.2880	38193355.79

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Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
14S3170800	Integrated Circuit	U12	Telcordia Issue 1	Level I	11.30	1.00	0.131654	.7242	7595645.96
14S5A00821	Integrated Circuit	U13,U14,U21	Telcordia Issue 1	Level I		3.00	0.059366	.9797	16844654.92
14S3128421	Integrated Circuit	U17	Telcordia Issue 1	Level I		1.00	0.059366	.3266	16844654.92
14S4010300	Integrated Circuit	U18	Telcordia Issue 1	Level I		1.00	0.026183	.1440	38193355.79
14S4871204	Integrated Circuit	U20	Telcordia Issue 1	Level I		1.00	0.026183	.1440	38193355.79
14S3050100	Integrated Circuit	U22	Telcordia Issue 1	Level I	15.90	1.00	0.063589	.3498	15725943.75
14S5A00704	Integrated Circuit	U23	Telcordia Issue 1	Level I		1.00	0.059366	.3266	16844654.92
14S5A00703	Integrated Circuit	U25	Telcordia Issue 1	Level I		1.00	0.059366	.3266	16844654.92
14S4180010	Integrated Circuit	U26	Telcordia Issue 1	Level I	10.50	1.00	0.047529	.2614	21039861.68
14S4010200	Integrated Circuit	U27	Telcordia Issue 1	Level I	12.70	1.00	0.144723	.7961	6909741.80
14S4195710	Integrated Circuit	U28	Telcordia Issue 1	Level I		1.00	0.059366	.3266	16844654.92
14S4280121	Integrated Circuit	U29	Telcordia Issue 1	Level I	5.80	1.00	0.036581	.2012	27336235.94
1651900860	Connection	U31	Telcordia Issue 1	Level I		1.00	0.013655	.0751	73231689.23
14S9301200	Integrated Circuit	U32	Telcordia Issue 1	Level I		1.00	0.059366	.3266	16844654.92
14S2538000	Integrated Circuit	U34	Telcordia Issue 1	Level I		1.00	0.059366	.3266	16844654.92
14S4048503	Integrated Circuit	U37,U38,U39,U40	Telcordia Issue 1	Level I		4.00	0.059366	1.3062	16844654.92
14S5A00401	Integrated Circuit	U41,U42	Telcordia Issue 1	Level I		2.00	0.059366	.6531	16844654.92
14S5A12506	Integrated Circuit	U43,U44	Telcordia Issue 1	Level I		2.00	0.059366	.6531	16844654.92
14S5812502	Integrated Circuit	U45,U46	Telcordia Issue 1	Level I		2.00	0.026183	.2880	38193355.79
14S4121602	Integrated Circuit	U47	Telcordia Issue 1	Level I		1.00	0.026183	.1440	38193355.79
14S4081102	Integrated Circuit	U52	Telcordia Issue 1	Level I		1.00	0.059366	.3266	16844654.92
14S5912300	Integrated Circuit	U53	Telcordia Issue 1	Level I		1.00	0.059366	.3266	16844654.92
14S3112500	Integrated Circuit	U55	Telcordia Issue 1	Level I		1.00	0.059366	.3266	16844654.92
14S3112400	Integrated Circuit	U56	Telcordia Issue 1	Level I		1.00	0.059366	.3266	16844654.92
14S3111701	Integrated Circuit	U57	Telcordia Issue 1	Level I		1.00	0.059366	.3266	16844654.92
14S3111600	Integrated Circuit	U58	Telcordia Issue 1	Level I		1.00	0.059366	.3266	16844654.92
123132505D	Miscellaneous	Y1,Y2	Telcordia Issue 1	Level I		2.00	0.150000	1.6502	6666666.67
123131435J	Miscellaneous	Y3	Telcordia Issue 1	Level I		1.00	0.150000	.8251	6666666.67
1231332721	Miscellaneous	Y4	Telcordia Issue 1	Level I		1.00	0.150000	.8251	6666666.67
121110156J	Inductor	L35,L38	Telcordia Issue 1	Level I		2.00	0.086173	.9480	11604581.32
175011901H	Miscellaneous	BATTERY1	Telcordia Issue 1	Level I		1.00	0.900000	4.9506	1111111.11
14S6203204	Integrated Circuit	BIOS1	Telcordia Issue 1	Level I		1.00	0.022943	.1262	43586356.53
1750220323	Connection	BT1	Telcordia Issue 1	Level I		1.00	0.001138	.0063	878780270.71
1759100007	Miscellaneous	BUZZ1	Telcordia Issue 1	Level I		1.00	0.150000	.8251	6666666.67
1655004020	Connection	CN1	Telcordia Issue 1	Level I		1.00	0.002276	.0125	439390135.35
1655305020	Connection	CN2	Telcordia Issue 1	Level I		1.00	0.002845	.0156	351512108.28

AAEON Reliability Prediction Report

Part Number 9697LN8T03-D
Reference Des
Date 08. 12, 2011
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description Top-level assembly
File Name EMB-LN8T A0.3.RPJ
Time 14:25
Failure Rate 18.179506
MTBF 55,007

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1655003010	Connection	CN5	Telcordia Issue 1	Level I		1.00	0.001707	.0094	585853513.81
165320520E	Connection	CN6	Telcordia Issue 1	Level I		1.00	0.005690	.0313	175756054.14
1655004017	Connection	CN8	Telcordia Issue 1	Level I		1.00	0.002276	.0125	439390135.35
1655404020	Connection	CN9	Telcordia Issue 1	Level I		1.00	0.002276	.0125	439390135.35
1653005200	Connection	CN10	Telcordia Issue 1	Level I		1.00	0.005690	.0313	175756054.14
1654409103	Connection	COM1	Telcordia Issue 1	Level I		1.00	0.005121	.0282	195284504.60
1653205203	Connection	COM2	Telcordia Issue 1	Level I		5.00	0.005690	.1565	175756054.14
1653205203	Connection	COM3,COM4, COM5,COM6	Telcordia Issue 1	Level I		5.00	0.005690	.1565	175756054.14
1119622196	Capacitor	C29,C30,C70,C75	Telcordia Issue 1	Level I		4.00	0.071121	1.5649	14060484.33
111961029D	Capacitor	C139,C155,C255, C258, C321, C322	Telcordia Issue 1	Level I		6.00	0.071121	2.3473	14060484.33
1112610102	Capacitor	C140,C156,C278	Telcordia Issue 1	Level I		3.00	0.071121	1.1737	14060484.33
1112647110	Capacitor	C304,C320	Telcordia Issue 1	Level I		2.00	0.071121	.7824	14060484.33
1111647191	Capacitor	C310,C311	Telcordia Issue 1	Level I		2.00	0.071121	.7824	14060484.33
1653003201	Connection	JP1,JP2,JP4	Telcordia Issue 1	Level I		3.00	0.003414	.0563	292926756.90
1653003101	Connection	JP3,JP5,JP6	Telcordia Issue 1	Level I		3.00	0.001707	.0282	585853513.81
1655306024	Connection	KB1	Telcordia Issue 1	Level I		1.00	0.003414	.0188	292926756.90
165251420B	Connection	LAN1,LAN2	Telcordia Issue 1	Level I		2.00	0.007966	.0876	125540038.67
1652505204	Connection	LINE_OUT1	Telcordia Issue 1	Level I		1.00	0.002845	.0156	351512108.28
165321320J	Connection	LPT1	Telcordia Issue 1	Level I		1.00	0.014793	.0814	67598482.36
1654808309	Connection	USB1,USB2	Telcordia Issue 1	Level I		2.00	0.004552	.0501	219695067.68
1654415308	Connection	VGA1	Telcordia Issue 1	Level I		1.00	0.008535	.0469	117170702.76
1655303020	Connection	MIC1	Telcordia Issue 1	Level I		1.00	0.001707	.0094	585853513.81