

GENE-LN05

Reliability Prediction Report

(MTBF)

Summary	Failure Rate: 15.143099 ppm MTBF: 66,037 Hours
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Issue date	Approval	Test Engineer
2011/07/19	Jansin Lee	Matthew Chi

Reliability Prediction (MTBF)

I . Model Name: TF-GENE-LN05-B10

II . Prediction Date: July. 19, 2011

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

IV . Predicted by: Matthew Chi

V . Equipment: Relex 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:

TF-GENE-LN05-B10:

- Failure Rate: 15.143099 ppm

- MTBF:66,037 Hours

AAEON Reliability Prediction Report

Part Number 9697LN5B03-D
Reference Des
Date 07. 19, 2011
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description Top-level assembly
File Name TF-GENE-LN05-B10.RPJ
Time 14:26
Failure Rate 15.143099
MTBF 66,037

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
TF-GENE-LN05-B10	9697LN5B03-D	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled	100.00	1.00	15.14	66036.68

AAEON Reliability Prediction Report

Part Number 9697LN5B03-D
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Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00

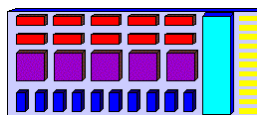


Description Top-level assembly
File Name TF-GENE-LN05-B10.RPJ
Time 14:26
Failure Rate 15.143099
MTBF 66,037

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
11E9501091	Capacitor	C123,C134,C137, C150,C178,C182, C183,C184,C185, C218,C239,C264,C30, C300,C305,C315, C317,C318,C319, C320,C321,C323, C324,C325,C326, C328,C332,C333, C335,C336,C338, C343,C345,C346, C347,C353,C354, C364,C365,C368,	Telcordia Issue 1	Level I		56.00	0.004535	1.6772	220487045.01
1124410080	Capacitor	C51	Telcordia Issue 1	Level I		1.00	0.004535	.0300	220487045.01
11C4501380	Capacitor	C53	Telcordia Issue 1	Level I		1.00	0.004535	.0300	220487045.01
11C2510480	Capacitor	C231,C47,C58	Telcordia Issue 1	Level I		3.00	0.004535	.0899	220487045.01
1124410191	Capacitor	C211,C213,C442, C443,C444,C445, C454,C60	Telcordia Issue 1	Level I		8.00	0.004535	.2396	220487045.01
11C2539290	Capacitor	C63	Telcordia Issue 1	Level I		1.00	0.004535	.0300	220487045.01
1124427091	Capacitor	C121,C205,C419, C424,C426,C456, C487,C488,C489,C73, C75,C77	Telcordia Issue 1	Level I		12.00	0.004535	.3594	220487045.01
1129710391	Capacitor	C207,C221,C225, C265,C299,C430,C76	Telcordia Issue 1	Level I		7.00	0.004535	.2097	220487045.01
1129622690	Capacitor	C102,C106,C120, C191,C217,C236, C247,C342,C390,C79, C86,C92,C98	Telcordia Issue 1	Level I		13.00	0.004535	.3894	220487045.01
1124533282	Capacitor	C88	Telcordia Issue 1	Level I		1.00	0.004535	.0300	220487045.01
11E9622050	Capacitor	C110,C169,C232, C240,C241,C306, C356,C363,C402, C433,C447,C452	Telcordia Issue 1	Level I		12.00	0.004535	.3594	220487045.01
1124547190	Capacitor	C192,C266,C434, C435,C436,C450, C463,C464	Telcordia Issue 1	Level I		8.00	0.004535	.2396	220487045.01
1129522790	Capacitor	C208,C457,C458	Telcordia Issue 1	Level I		3.00	0.004535	.0899	220487045.01
1122522890	Capacitor	C259	Telcordia Issue 1	Level I		1.00	0.004535	.0300	220487045.01
11C4522190	Capacitor	C267,C277	Telcordia Issue 1	Level I		2.00	0.004535	.0599	220487045.01
1124522290	Capacitor	C294,C308,C316	Telcordia Issue 1	Level I		3.00	0.004535	.0899	220487045.01
11C4582190	Capacitor	C301	Telcordia Issue 1	Level I		1.00	0.004535	.0300	220487045.01
11C9501050	Capacitor	C341	Telcordia Issue 1	Level I		1.00	0.004535	.0300	220487045.01

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File Name TF-GENE-LN05-B10.RPJ
Time 14:26
Failure Rate 15.143099
MTBF 66,037

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
11E9510050	Capacitor	C104,C124,C130, C152,C181,C188, C206,C215,C226, C229,C252,C261, C275,C279,C280, C295,C298,C310,C32, C327,C329,C33,C330, C34,C344,C348,C349, C378,C379,C380, C381,C397,C398, C405,C408,C417, C418,C425,C438, C446,C448,C455,	Telcordia Issue 1	Level I		46.00	0.004535	1.3777	220487045.01
11E4433090	Capacitor	C474,C482	Telcordia Issue 1	Level I		2.00	0.004535	.0599	220487045.01
16515A099Q	Connection	DIMM1	Telcordia Issue 1	Level I		1.00	0.022759	.1503	43939013.54
1301005444	Semiconductor	D1,D11,D12,D8	Telcordia Issue 1	Level I		4.00	0.023881	.6308	41874327.58
1304300140	Semiconductor	D16,D2	Telcordia Issue 1	Level I		2.00	0.023881	.3154	41874327.58
1305080040	Semiconductor	D10,D15,D24,D26, D27,D28,D29,D3,D30, D31,D32,D34,D35, D36,D37,D38,D4,D40, D41,D42,D43,D44, D45,D46,D47,D48, D49,D5,D50,D51,D6, D7	Telcordia Issue 1	Level I		32.00	0.023881	5.0465	41874327.58
1301005443	Semiconductor	D14	Telcordia Issue 1	Level I		1.00	0.023881	.1577	41874327.58
1304001340	Semiconductor	D17	Telcordia Issue 1	Level I		1.00	0.023881	.1577	41874327.58
1304101340	Semiconductor	D18	Telcordia Issue 1	Level I		1.00	0.023881	.1577	41874327.58
1301005442	Semiconductor	D23,D33	Telcordia Issue 1	Level I		2.00	0.023881	.3154	41874327.58
1301005441	Semiconductor	D25	Telcordia Issue 1	Level I		1.00	0.023881	.1577	41874327.58
1301053040	Semiconductor	D39	Telcordia Issue 1	Level I		1.00	0.023881	.1577	41874327.58
1212306030	Inductor	FB1,FB10,FB11,FB12, FB13,FB14,FB15, FB16,FB18,FB20, FB21,FB25,FB26, FB27,FB28,FB29,FB3, FB30,FB31,FB33, FB38,FB39,FB4,FB40, FB41,FB42,FB5,FB6, FB7,FB8,FB9	Telcordia Issue 1	Level I		31.00	0.002268	.4642	440974090.03
12123C0003	Inductor	FB2,FB24	Telcordia Issue 1	Level I		2.00	0.002268	.0300	440974090.03

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MTBF 66,037

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate,%	MTBF, Unit
1212306035	Inductor	FB17,FB19,FB22, FB23,FB34,FB35, FB36,FB37,FB43, FB44,FB45	Telcordia Issue 1	Level I		11.00	0.002268	.1647	440974090.03
1212306031	Inductor	FB32	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
1752000501	Miscellaneous	FS1	Telcordia Issue 1	Level I		1.00	0.003000	.0198	333333333.33
1752001601	Miscellaneous	FS2,FS3	Telcordia Issue 1	Level I		2.00	0.003000	.0396	333333333.33
121110336Y	Inductor	L1	Telcordia Issue 1	Level I		1.00	0.086173	.5691	11604581.32
121110156K	Inductor	L2,L4,L5	Telcordia Issue 1	Level I		3.00	0.086173	1.7072	11604581.32
121110156J	Inductor	L3	Telcordia Issue 1	Level I		1.00	0.086173	.5691	11604581.32
121110106G	Inductor	L6	Telcordia Issue 1	Level I		1.00	0.086173	.5691	11604581.32
121110106D	Inductor	L10,L11,L12,L7,L8, L9	Telcordia Issue 1	Level I		6.00	0.086173	3.4143	11604581.32
1654926900	Connection	PCIE1B	Telcordia Issue 1	Level I		1.00	0.022759	.1503	43939013.54
1315700216	Semiconductor	Q1,Q10,Q11,Q13,Q17, Q19,Q2,Q22,Q23,Q24, Q25,Q3,Q30,Q31,Q36, Q37,Q38,Q4,Q41,Q42, Q6,Q7,Q8	Telcordia Issue 1	Level I		23.00	0.079603	12.0905	12562298.27
1310390413	Semiconductor	Q20,Q21,Q27,Q28, Q29,Q39,Q44,Q5	Telcordia Issue 1	Level I		8.00	0.023881	1.2616	41874327.58
1315230511	Semiconductor	Q12,Q9	Telcordia Issue 1	Level I		2.00	0.079603	1.0513	12562298.27
1315030110	Semiconductor	Q15,Q18	Telcordia Issue 1	Level I		2.00	0.079603	1.0513	12562298.27
1311390612	Semiconductor	Q26,Q43	Telcordia Issue 1	Level I		2.00	0.023881	.3154	41874327.58
1311138610	Semiconductor	Q32,Q34,Q35	Telcordia Issue 1	Level I		3.00	0.023881	.4731	41874327.58
1540710382	Resistor	RP1,RP10,RP9	Telcordia Issue 1	Level I		3.00	0.006246	.1237	160102772.00
1540782282	Resistor	RP19,RP2,RP3,RP4, RP5,RP6	Telcordia Issue 1	Level I		6.00	0.006246	.2475	160102772.00
1540733085	Resistor	RP11,RP12,RP13, RP14,RP15,RP16, RP20,RP7,RP8	Telcordia Issue 1	Level I		9.00	0.006246	.3712	160102772.00
1540710280	Resistor	RP17,RP18	Telcordia Issue 1	Level I		2.00	0.006246	.0825	160102772.00
106B501032	Resistor	RT1	Telcordia Issue 1	Level I		1.00	0.011379	.0751	87878027.07
106B510030	Resistor	RT2	Telcordia Issue 1	Level I		1.00	0.011379	.0751	87878027.07
105A704729	Resistor	R1,R16,R166,R167, R168,R169,R191, R215,R216,R225, R259,R296,R30,R307, R349,R356,R367, R399,R415,R45,R486, R487,R488,R498, R515,R522,R529,R53, R60,R640,R647,R87	Telcordia Issue 1	Level I		32.00	0.002268	.4792	440974090.03

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File Name TF-GENE-LN05-B10.RPJ
Time 14:26
Failure Rate 15.143099
MTBF 66,037

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate,%	MTBF, Unit
1050510034	Resistor	R137,R21,R316,R320, R351,R393,R394, R406,R461,R541	Telcordia Issue 1	Level I		10.00	0.002268	.1498	440974090.03
105A701059	Resistor	R116,R23,R314,R35, R365	Telcordia Issue 1	Level I		5.00	0.002268	.0749	440974090.03
105A573223	Resistor	R198	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
105A700139	Resistor	R125,R163,R186, R190,R193,R221, R229,R230,R239, R249,R250,R251, R252,R253,R26,R260, R272,R28,R286,R29, R323,R336,R36,R368, R388,R39,R408,R41, R411,R43,R434,R435, R454,R490,R512, R534,R545,R558, R565,R573,R589,R59, R592,R593,R641,	Telcordia Issue 1	Level I		47.00	0.002268	.7038	440974090.03
105A501039	Resistor	R302,R304,R31,R357, R37,R421,R507,R508, R509,R510,R511, R527,R571,R89,R90	Telcordia Issue 1	Level I		15.00	0.002268	.2246	440974090.03
105A500239	Resistor	R192,R38	Telcordia Issue 1	Level I		2.00	0.002268	.0300	440974090.03
105A701069	Resistor	R40,R513	Telcordia Issue 1	Level I		2.00	0.013606	.1797	73495681.67
1050524904	Resistor	R180,R343,R358,R46	Telcordia Issue 1	Level I		4.00	0.002268	.0599	440974090.03
105A545303	Resistor	R51	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
105A532413	Resistor	R52	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
1050702734	Resistor	R54	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
1050502204	Resistor	R145,R241,R374, R452,R453,R499,R56, R63	Telcordia Issue 1	Level I		8.00	0.002268	.1198	440974090.03
1050505124	Resistor	R57,R578	Telcordia Issue 1	Level I		2.00	0.002268	.0300	440974090.03
105A500139	Resistor	R141,R147,R148, R160,R184,R189, R203,R227,R273, R277,R284,R289, R427,R538,R61	Telcordia Issue 1	Level I		15.00	0.002268	.2246	440974090.03
105A702229	Resistor	R100,R149,R153, R344,R364,R383, R384,R62,R83	Telcordia Issue 1	Level I		9.00	0.002268	.1348	440974090.03
105A502003	Resistor	R64	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
105A580623	Resistor	R70	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
105A515033	Resistor	R75	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03

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Time 14:26
Failure Rate 15.143099
MTBF 66,037

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A536533	Resistor	R81	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
105A768009	Resistor	R106,R118,R124, R129,R138,R86,R98	Telcordia Issue 1	Level I		7.00	0.002268	.1048	440974090.03
105A502039	Resistor	R209,R234,R576, R598,R599,R93	Telcordia Issue 1	Level I		6.00	0.002268	.0899	440974090.03
105A575033	Resistor	R95	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
105A549919	Resistor	R291,R312,R577, R594,R595,R596,R99	Telcordia Issue 1	Level I		7.00	0.002268	.1048	440974090.03
105A505109	Resistor	R119,R130,R139, R155,R182,R183, R185,R530,R532, R537,R543,R547, R554	Telcordia Issue 1	Level I		13.00	0.002268	.1947	440974090.03
105A706829	Resistor	R126,R127	Telcordia Issue 1	Level I		2.00	0.002268	.0300	440974090.03
1050586604	Resistor	R132	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
1050501004	Resistor	R133,R181,R376, R382,R387,R424, R425,R518,R519, R520,R557,R623, R624	Telcordia Issue 1	Level I		13.00	0.002268	.1947	440974090.03
105A515009	Resistor	R134,R135,R136, R632,R633,R634	Telcordia Issue 1	Level I		6.00	0.002268	.0899	440974090.03
105A568163	Resistor	R146	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
105A513033	Resistor	R151	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
105A580663	Resistor	R156,R158	Telcordia Issue 1	Level I		2.00	0.002268	.0300	440974090.03
105A708229	Resistor	R164,R178,R278, R346,R353,R396, R410,R456,R457, R458,R459,R480, R548	Telcordia Issue 1	Level I		13.00	0.002268	.1947	440974090.03
105A522669	Resistor	R179	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
1050547004	Resistor	R197,R210,R404, R645,R646	Telcordia Issue 1	Level I		5.00	0.002268	.0749	440974090.03
105A531613	Resistor	R202	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
1050507530	Resistor	R217,R222	Telcordia Issue 1	Level I		2.00	0.002268	.0300	440974090.03
105A703363	Resistor	R226	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
105A528723	Resistor	R235	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
105A702263	Resistor	R240,R460,R474	Telcordia Issue 1	Level I		3.00	0.002268	.0449	440974090.03
105A540213	Resistor	R263	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
105A505163	Resistor	R276	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
1059700001	Resistor	R288,R330	Telcordia Issue 1	Level I		2.00	0.002268	.0300	440974090.03
105A747039	Resistor	R327	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
105A701009	Resistor	R335,R361,R491, R493	Telcordia Issue 1	Level I		4.00	0.002268	.0599	440974090.03

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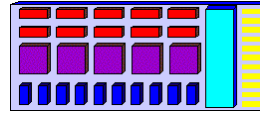


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Failure Rate 15.143099
MTBF 66,037

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A700003	Resistor	R347,R354,R403, R462,R463,R464, R552,R556	Telcordia Issue 1	Level I		8.00	0.002268	.1198	440974090.03
1050533034	Resistor	R348,R373	Telcordia Issue 1	Level I		2.00	0.002268	.0300	440974090.03
105A560423	Resistor	R350	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
105A501233	Resistor	R385	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
105A704709	Resistor	R390,R400	Telcordia Issue 1	Level I		2.00	0.002268	.0300	440974090.03
105A705629	Resistor	R418	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
105A554923	Resistor	R465	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
105A584523	Resistor	R468	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
105A566503	Resistor	R470	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
1059702261	Resistor	R472,R473	Telcordia Issue 1	Level I		2.00	0.002268	.0300	440974090.03
105A523713	Resistor	R482	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
105A501539	Resistor	R496	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
105A549969	Resistor	R517	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
105A597604	Resistor	R521	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
1050533214	Resistor	R525	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
105A575003	Resistor	R528	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
105A701003	Resistor	R531	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
105A501413	Resistor	R533	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
105A503039	Resistor	R536	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
105A507509	Resistor	R568,R572,R574, R629,R630,R631	Telcordia Issue 1	Level I		6.00	0.002268	.0899	440974090.03
105A534823	Resistor	R569	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
105A568123	Resistor	R570	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
105A722009	Resistor	R579,R580,R581, R582,R583,R584	Telcordia Issue 1	Level I		6.00	0.002268	.0899	440974090.03
105A700239	Resistor	R600,R601	Telcordia Issue 1	Level I		2.00	0.002268	.0300	440974090.03
1189633193	Capacitor	TC1,TC11,TC2,TC7, TC8	Telcordia Issue 1	Level I		5.00	0.004535	.1498	220487045.01
1189633160	Capacitor	TC20,TC21,TC22, TC23,TC3	Telcordia Issue 1	Level I		5.00	0.004535	.1498	220487045.01
1189615151	Capacitor	TC10,TC12,TC13, TC18,TC24,TC25, TC26	Telcordia Issue 1	Level I		7.00	0.004535	.2097	220487045.01
1189627150	Capacitor	TC14,TC15,TC16, TC17,TC19,TC5,TC9	Telcordia Issue 1	Level I		7.00	0.004535	.2097	220487045.01
1182622080	Capacitor	TC6	Telcordia Issue 1	Level I		1.00	0.004535	.0300	220487045.01
14S9811500	Integrated Circuit	U1	Telcordia Issue 1	Level I		1.00	0.059366	.3920	16844654.92
1315667910	Semiconductor	U2	Telcordia Issue 1	Level I		1.00	0.079603	.5257	12562298.27
14S4600004	Integrated Circuit	U3	Telcordia Issue 1	Level I		1.00	0.059366	.3920	16844654.92
1315482110	Semiconductor	U4,U54,U60,U8	Telcordia Issue 1	Level I		4.00	0.079603	2.1027	12562298.27

AAEON Reliability Prediction Report

Part Number 9697LN5B03-D
Reference Des
Date 07. 19, 2011
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description Top-level assembly
File Name TF-GENE-LN05-B10.RPJ
Time 14:26
Failure Rate 15.143099
MTBF 66,037

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate,%	MTBF, Unit
14S5A00821	Integrated Circuit	U14,U38,U5	Telcordia Issue 1	Level I		3.00	0.026183	.5187	38193355.79
14S2321900	Integrated Circuit	U6	Telcordia Issue 1	Level I		1.00	0.026183	.1729	38193355.79
1315970211	Semiconductor	U18,U21,U65,U7	Telcordia Issue 1	Level I		4.00	0.079603	2.1027	12562298.27
14S4280121	Integrated Circuit	U9	Telcordia Issue 1	Level I	22.90	1.00	0.186173	1.2294	5371333.74
14S4021301	Integrated Circuit	U10,U15,U19,U26, U31,U66	Telcordia Issue 1	Level I		6.00	0.059366	2.3522	16844654.92
1315422410	Semiconductor	U12,U58,U59	Telcordia Issue 1	Level I		3.00	0.079603	1.5770	12562298.27
14S2362400	Integrated Circuit	U13	Telcordia Issue 1	Level I		1.00	0.059366	.3920	16844654.92
14S2538000	Integrated Circuit	U16	Telcordia Issue 1	Level I		1.00	0.059366	.3920	16844654.92
14S3050100	Integrated Circuit	U17	Telcordia Issue 1	Level I	30.40	1.00	0.132522	.8751	7545889.17
14S4180010	Integrated Circuit	U20	Telcordia Issue 1	Level I	25.80	1.00	0.105733	.6982	9457743.28
14S4121601	Integrated Circuit	U22	Telcordia Issue 1	Level I		1.00	0.026183	.1729	38193355.79
14S5A12506	Integrated Circuit	U23	Telcordia Issue 1	Level I		1.00	0.026183	.1729	38193355.79
14S2591200	Integrated Circuit	U24	Telcordia Issue 1	Level I	34.60	1.00	0.573405	3.7866	1743967.10
14S5A00601	Integrated Circuit	U25	Telcordia Issue 1	Level I		1.00	0.026183	.1729	38193355.79
14S4362707	Integrated Circuit	U27	Telcordia Issue 1	Level I		1.00	0.026183	.1729	38193355.79
14S4048503	Integrated Circuit	U28,U32	Telcordia Issue 1	Level I		2.00	0.059366	.7841	16844654.92
14S5A12503	Integrated Circuit	U29	Telcordia Issue 1	Level I		1.00	0.026183	.1729	38193355.79
14S3112400	Integrated Circuit	U30	Telcordia Issue 1	Level I		1.00	0.059366	.3920	16844654.92
14S3111600	Integrated Circuit	U33	Telcordia Issue 1	Level I	24.80	1.00	0.316904	2.0927	3155533.15
14S4256701	Integrated Circuit	U34	Telcordia Issue 1	Level I		1.00	0.059366	.3920	16844654.92
14S4258300	Integrated Circuit	U35	Telcordia Issue 1	Level I		1.00	0.059366	.3920	16844654.92
14S2200900	Integrated Circuit	U37	Telcordia Issue 1	Level I		1.00	0.059366	.3920	16844654.92
1315155510	Semiconductor	U39,U40,U41	Telcordia Issue 1	Level I		3.00	0.079603	1.5770	12562298.27
1315446310	Semiconductor	U43,U45,U47,U48	Telcordia Issue 1	Level I		4.00	0.079603	2.1027	12562298.27
14S5912300	Integrated Circuit	U44	Telcordia Issue 1	Level I		1.00	0.070411	.4650	14202225.56
14S4081110	Integrated Circuit	U46	Telcordia Issue 1	Level I		1.00	0.026183	.1729	38193355.79
14S9103200	Integrated Circuit	U50	Telcordia Issue 1	Level I		1.00	0.059366	.3920	16844654.92
14S4963500	Integrated Circuit	U51	Telcordia Issue 1	Level I		1.00	0.026183	.1729	38193355.79
14S4911216	Integrated Circuit	U52	Telcordia Issue 1	Level I		1.00	0.026183	.1729	38193355.79
1315482410	Semiconductor	U53,U63	Telcordia Issue 1	Level I		2.00	0.079603	1.0513	12562298.27
14S4010200	Integrated Circuit	U55	Telcordia Issue 1	Level I		1.00	0.026183	.1729	38193355.79
14S4195710	Integrated Circuit	U56	Telcordia Issue 1	Level I		1.00	0.026183	.1729	38193355.79
14S6308002	Integrated Circuit	U61	Telcordia Issue 1	Level I		1.00	0.022943	.1515	43586356.53
14S3156500	Integrated Circuit	U62	Telcordia Issue 1	Level I		1.00	0.059366	.3920	16844654.92
14S4010300	Integrated Circuit	U64	Telcordia Issue 1	Level I		1.00	0.026183	.1729	38193355.79
14S3524700	Integrated Circuit	U67	Telcordia Issue 1	Level I		1.00	0.059366	.3920	16844654.92

AAEON Reliability Prediction Report

Part Number 9697LN5B03-D
Reference Des
Date 07. 19, 2011
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description Top-level assembly
File Name TF-GENE-LN05-B10.RPJ
Time 14:26
Failure Rate 15.143099
MTBF 66,037

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
14S3128421	Integrated Circuit	U68	Telcordia Issue 1	Level I		1.00	0.059366	.3920	16844654.92
14S4751100	Integrated Circuit	U69	Telcordia Issue 1	Level I		1.00	0.026183	.1729	38193355.79
1231332721	Miscellaneous	Y1	Telcordia Issue 1	Level I		1.00	0.150000	.9906	6666666.67
123131435J	Miscellaneous	Y2	Telcordia Issue 1	Level I		1.00	0.150000	.9906	6666666.67
123132505D	Miscellaneous	Y3,Y4	Telcordia Issue 1	Level I		2.00	0.150000	1.9811	6666666.67
14S3066200	Integrated Circuit	U36	Telcordia Issue 1	Level I	27.00	1.00	0.112219	.7411	8911165.83
11C4547290	Capacitor	C490,C491	Telcordia Issue 1	Level I		2.00	0.004535	.0599	220487045.01
105A569823	Resistor	R25	Telcordia Issue 1	Level I		1.00	0.002268	.0150	440974090.03
1654226303	Connection	PCIE1A	Telcordia Issue 1	Level I		1.00	0.022759	.1503	43939013.54
14S62GLNB0	Integrated Circuit	U11	Telcordia Issue 1	Level I		1.00	0.059366	.3920	16844654.92
14S6201602	Integrated Circuit		Telcordia Issue 1	Level I		1.00	0.022943	.1515	43586356.53
1655902030	Connection	BAT1A	Telcordia Issue 1	Level I		1.00	0.022759	.1503	43939013.54
175011901M	Miscellaneous	BAT1B	Telcordia Issue 1	Level I		1.00	0.900000	5.9433	1111111.11
1653900039	Connection	CFD1B	Telcordia Issue 1	Level I		1.00	0.001138	.0075	878780270.71
1655003010	Connection	CN2	Telcordia Issue 1	Level I		1.00	0.001138	.0075	878780270.71
1655306020	Connection	CN3	Telcordia Issue 1	Level I		1.00	0.001138	.0075	878780270.71
1655003022	Connection	CN4	Telcordia Issue 1	Level I		1.00	0.001138	.0075	878780270.71
1654907004	Connection	CN5,CN6	Telcordia Issue 1	Level I		2.00	0.001138	.0150	878780270.71
1652602105	Connection	CN9	Telcordia Issue 1	Level I		1.00	0.001138	.0075	878780270.71
1655302020	Connection	CN11	Telcordia Issue 1	Level I		1.00	0.001138	.0075	878780270.71
1653005201	Connection	CN12	Telcordia Issue 1	Level I		1.00	0.001138	.0075	878780270.71
1655909031	Connection	CN13,CN15,CN18, CN21,CN22	Telcordia Issue 1	Level I		5.00	0.001138	.0376	878780270.71
1655905032	Connection	CN14,CN16,CN17, CN19,CN20	Telcordia Issue 1	Level I		5.00	0.001138	.0376	878780270.71
1655910131	Connection	CN23	Telcordia Issue 1	Level I		1.00	0.001138	.0075	878780270.71
165251420B	Connection	CN24,CN25	Telcordia Issue 1	Level I		2.00	0.001138	.0150	878780270.71
1655305020	Connection	CN28	Telcordia Issue 1	Level I		1.00	0.001138	.0075	878780270.71
1654808309	Connection	CN30	Telcordia Issue 1	Level I		1.00	0.001138	.0075	878780270.71
1655306023	Connection	CN31	Telcordia Issue 1	Level I		1.00	0.001138	.0075	878780270.71
1654409103	Connection	CN32	Telcordia Issue 1	Level I		1.00	0.001138	.0075	878780270.71
1654415308	Connection	CN33	Telcordia Issue 1	Level I		1.00	0.001138	.0075	878780270.71
1181627191	Capacitor	EC1	Telcordia Issue 1	Level I		1.00	0.004535	.0300	220487045.01
1653002101	Connection	JP1	Telcordia Issue 1	Level I		1.00	0.001138	.0075	878780270.71
1653003101	Connection	JP2,JP4,JP5,JP6, JP7	Telcordia Issue 1	Level I		5.00	0.001138	.0376	878780270.71
1653003201	Connection	JP3	Telcordia Issue 1	Level I		1.00	0.001138	.0075	878780270.71
175910000B	Miscellaneous	SP1	Telcordia Issue 1	Level I		1.00	0.150000	.9906	6666666.67