

GENE-LN05

Reliability Prediction Report

(MTBF)

Summary	Failure Rate: 14.536540 ppm MTBF: 68,792 Hours
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Issue date	Approval	Test Engineer
2010/10/05	Jansin Lee	Jessica Chou

Reliability Prediction (MTBF)

I . Model Name: GENE-LN05-A10

II . Prediction Date: Oct. 5th, 2010

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: 24.7 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:

GENE-LN05-A10:

- Failure Rate: 14.536540 ppm
- MTBF: 68,792 Hours

AAEON Reliability Prediction Report

Part Number 9697LN0506-D
Reference Des
Date 10. 5, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.70



Description Top-level assembly
File Name GENE-LN05.RPJ
Time 13:57
Failure Rate 14.536540
MTBF 68,792

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
GENE-LN05	9697LN0506-D	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled	100.00	1.00	14.54	68792.16

AAEON Reliability Prediction Report

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File Name GENE-LN05.RPJ
Time 13:57
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Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
14S634022E	Integrated Circuit	U49	Telcordia Issue 1	Level I		1.00	0.025799	.1775	38760725.78
1315230511	Semiconductor	Q7,Q9	Telcordia Issue 1	Level I		2.00	0.078919	1.0858	12671187.53
165392521J	Connection	CFD1A	Telcordia Issue 1	Level I		1.00	0.001120	.0077	892678836.92
1124410080	Capacitor	C36	Telcordia Issue 1	Level I		1.00	0.004509	.0310	221788324.40
1653212100	Connection	CN4	Telcordia Issue 1	Level I		1.00	0.006721	.0462	148779806.15
1655909032	Connection	CN9	Telcordia Issue 1	Level I		1.00	0.005041	.0347	198373074.87
165320520G	Connection	CN26	Telcordia Issue 1	Level I		1.00	0.005601	.0385	178535767.38
165321320H	Connection	CN27	Telcordia Issue 1	Level I		1.00	0.014563	.1002	68667602.84
1654030003	Connection	CN29	Telcordia Issue 1	Level I		1.00	0.016803	.1156	59511922.46
1654903900	Connection	CN34	Telcordia Issue 1	Level I		1.00	0.022404	.1541	44633941.85
1174522180	Capacitor	CP1,CP10,CP11,CP12, CP13,CP2,CP3,CP4, CP5,CP6,CP7,CP8, CP9	Telcordia Issue 1	Level I		13.00	0.005455	.4878	183320933.34
1121501691	Capacitor	C1,C10,C100,C101, C103,C105,C106, C107,C108,C109, C111,C112,C113, C114,C116,C117, C120,C123,C124, C125,C126,C127, C129,C130,C133, C134,C135,C136, C141,C142,C143, C144,C145,C146, C147,C148,C149, C150,C151,C152,	Telcordia Issue 1	Level I		238.00	0.004509	7.3821	221788324.40
1122701680	Capacitor	C11,C238,C24,C26	Telcordia Issue 1	Level I		4.00	0.004509	.1241	221788324.40
11E9510051	Capacitor	C102,C12,C128,C137, C139,C161,C168, C215,C226,C228, C263,C272,C277, C289,C294,C301, C303,C313,C331, C334,C335,C344, C351,C355,C377, C378,C386,C387, C391,C394,C399, C414,C415,C421, C433,C448,C456, C466,C467,C482,	Telcordia Issue 1	Level I		45.00	0.004509	1.3958	221788324.40

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1129701791	Capacitor	C13,C178,C179,C189, C19,C191,C20,C21, C22,C372,C39,C40, C41,C42,C43,C449, C454,C455,C461, C468,C469,C471, C478	Telcordia Issue 1	Level I		23.00	0.004509	.7134	221788324.40
11E1510050	Capacitor	C14,C15,C16,C213, C222	Telcordia Issue 1	Level I		5.00	0.004509	.1551	221788324.40
1124547190	Capacitor	C18,C199,C284,C436, C437,C443,C451, C463,C474	Telcordia Issue 1	Level I		9.00	0.004509	.2792	221788324.40
1129710091	Capacitor	C188,C216,C37,C38, C483,C484,C485	Telcordia Issue 1	Level I		7.00	0.004509	.2171	221788324.40
1124410191	Capacitor	C196,C198,C207, C438,C439,C440, C441,C45,C460	Telcordia Issue 1	Level I		9.00	0.004509	.2792	221788324.40
11E9647680	Capacitor	C131,C184,C203, C242,C292,C302, C366,C389,C423, C434,C46	Telcordia Issue 1	Level I		11.00	0.004509	.3412	221788324.40
11C2539290	Capacitor	C47	Telcordia Issue 1	Level I		1.00	0.004509	.0310	221788324.40
11E9501091	Capacitor	C122,C132,C156, C174,C175,C176, C181,C182,C190, C201,C210,C218, C237,C247,C249, C278,C305,C308, C317,C319,C322, C323,C324,C326, C327,C328,C329, C332,C333,C338, C341,C345,C353, C354,C357,C358, C369,C370,C371,	Telcordia Issue 1	Level I		55.00	0.004509	1.7059	221788324.40
1129622690	Capacitor	C104,C110,C115, C119,C121,C217, C234,C246,C250, C321,C330,C337, C349,C356,C392,C64	Telcordia Issue 1	Level I		16.00	0.004509	.4963	221788324.40
1124427091	Capacitor	C118,C140,C208, C416,C420,C430, C458,C479,C480, C481,C66,C77	Telcordia Issue 1	Level I		12.00	0.004509	.3722	221788324.40
11C1547890	Capacitor	C296,C76,C79	Telcordia Issue 1	Level I		3.00	0.004509	.0931	221788324.40
1129710391	Capacitor	C138,C221,C225, C243,C282,C304, C435,C80	Telcordia Issue 1	Level I		8.00	0.004509	.2481	221788324.40
1124533282	Capacitor	C82	Telcordia Issue 1	Level I		1.00	0.004509	.0310	221788324.40

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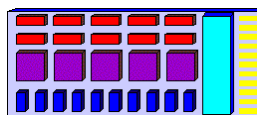


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1129622050	Capacitor	C180,C230,C239, C240,C309,C360, C367,C395,C425, C444,C445	Telcordia Issue 1	Level I		11.00	0.004509	.3412	221788324.40
11C1501080	Capacitor	C209	Telcordia Issue 1	Level I		1.00	0.004509	.0310	221788324.40
1122522890	Capacitor	C275	Telcordia Issue 1	Level I		1.00	0.004509	.0310	221788324.40
11C4522190	Capacitor	C285,C291	Telcordia Issue 1	Level I		2.00	0.004509	.0620	221788324.40
1124522290	Capacitor	C300,C311,C320	Telcordia Issue 1	Level I		3.00	0.004509	.0931	221788324.40
11C4582190	Capacitor	C306	Telcordia Issue 1	Level I		1.00	0.004509	.0310	221788324.40
1129522790	Capacitor	C462,C486,C496	Telcordia Issue 1	Level I		3.00	0.004509	.0931	221788324.40
11E4433090	Capacitor	C491,C492	Telcordia Issue 1	Level I		2.00	0.004509	.0620	221788324.40
16515A0997	Connection	DIMM1	Telcordia Issue 1	Level I		1.00	0.112022	.7706	8926788.37
1305080040	Semiconductor	D1,D10,D2,D29,D3, D30,D32,D33,D34, D35,D36,D37,D39,D4, D40,D41,D42,D45, D47,D48,D49,D5,D50	Telcordia Issue 1	Level I		23.00	0.023676	3.7460	42237291.76
1301005444	Semiconductor	D25,D7	Telcordia Issue 1	Level I		2.00	0.023676	.3257	42237291.76
1304300140	Semiconductor	D19,D8	Telcordia Issue 1	Level I		2.00	0.004744	.0653	210772446.23
1301005442	Semiconductor	D11,D12,D26,D38	Telcordia Issue 1	Level I		4.00	0.023676	.6515	42237291.76
1301005443	Semiconductor	D13,D18	Telcordia Issue 1	Level I		2.00	0.027053	.3722	36964720.73
1300001440	Semiconductor	D15,D16	Telcordia Issue 1	Level I		2.00	0.023676	.3257	42237291.76
1304001340	Semiconductor	D20	Telcordia Issue 1	Level I		1.00	0.004744	.0326	210772446.23
1304101340	Semiconductor	D21	Telcordia Issue 1	Level I		1.00	0.004744	.0326	210772446.23
1301005441	Semiconductor	D31	Telcordia Issue 1	Level I		1.00	0.027053	.1861	36964720.73
1301053040	Semiconductor	D43,D44,D46	Telcordia Issue 1	Level I		3.00	0.023676	.4886	42237291.76
1212306030	Inductor	FB10,FB11,FB12, FB13,FB15,FB17, FB18,FB2,FB22,FB23, FB24,FB25,FB26, FB27,FB28,FB3,FB33, FB34,FB35,FB36,FB5, FB6,FB7,FB8,FB9	Telcordia Issue 1	Level I		25.00	0.002254	.3877	443576648.79
12123C0003	Inductor	FB21,FB4	Telcordia Issue 1	Level I		2.00	0.002254	.0310	443576648.79
1212306035	Inductor	FB14,FB16,FB19, FB20,FB29,FB30, FB31,FB32,FB37, FB38,FB39	Telcordia Issue 1	Level I		11.00	0.002254	.1706	443576648.79
1752000501	Miscellaneous	FS1	Telcordia Issue 1	Level I		1.00	0.003000	.0206	333333333.33
1752001601	Miscellaneous	FS2,FS3	Telcordia Issue 1	Level I		2.00	0.003000	.0413	333333333.33
121110106D	Inductor	L10,L11,L12,L7,L8, L9	Telcordia Issue 1	Level I		6.00	0.002254	.0931	443576648.79

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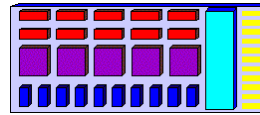


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MTBF 68,792

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1654226300	Connection	PCIE1A,PCIE2A	Telcordia Issue 1	Level I		2.00	0.029126	.4007	34333801.42
1654926900	Connection	PCIE1B,PCIE2B	Telcordia Issue 1	Level I		2.00	0.029126	.4007	34333801.42
1315700216	Semiconductor	Q1,Q10,Q11,Q13,Q17, Q2,Q20,Q21,Q22,Q23, Q28,Q29,Q3,Q34,Q35, Q36,Q39,Q40,Q41,Q6, Q8	Telcordia Issue 1	Level I		21.00	0.078919	11.4009	12671187.53
1310390413	Semiconductor	Q18,Q19,Q25,Q26, Q27,Q37,Q4	Telcordia Issue 1	Level I		7.00	0.023676	1.1401	42237291.76
1315030110	Semiconductor	Q14,Q16	Telcordia Issue 1	Level I		2.00	0.000000	.0000	.00
1311390612	Semiconductor	Q24	Telcordia Issue 1	Level I		1.00	0.023676	.1629	42237291.76
1311138610	Semiconductor	Q30,Q32,Q33	Telcordia Issue 1	Level I		3.00	0.023676	.4886	42237291.76
1540710382	Resistor	RP1,RP10,RP9	Telcordia Issue 1	Level I		3.00	0.006161	.1271	162316221.55
1540782282	Resistor	RP13,RP2,RP3,RP4, RP5,RP6	Telcordia Issue 1	Level I		6.00	0.012322	.5086	81158110.78
1540733085	Resistor	RP14,RP7,RP8	Telcordia Issue 1	Level I		3.00	0.006161	.1271	162316221.55
1540710280	Resistor	RP11,RP12	Telcordia Issue 1	Level I		2.00	0.006161	.0848	162316221.55
106B501032	Resistor	RT1	Telcordia Issue 1	Level I		1.00	0.011202	.0771	89267883.69
106B510030	Resistor	RT2	Telcordia Issue 1	Level I		1.00	0.011202	.0771	89267883.69
105A704729	Resistor	R1,R169,R170,R172, R174,R18,R196,R218, R221,R227,R235, R291,R300,R341, R344,R372,R377, R398,R408,R470,R48, R483,R484,R487, R494,R495,R502, R526,R536,R537,R56, R598,R600,R65	Telcordia Issue 1	Level I		34.00	0.002254	.5273	443576648.79
105A503309	Resistor	R2,R228,R232,R278, R283,R288,R290, R302,R529,R534,R59, R602,R603,R70,R78, R81,R88,R92	Telcordia Issue 1	Level I		18.00	0.002254	.2792	443576648.79
105A733009	Resistor	R11,R16,R3,R320, R321,R322	Telcordia Issue 1	Level I		6.00	0.002254	.0931	443576648.79
105A705139	Resistor	R24,R25,R26,R32, R33,R358,R381,R394, R4,R405,R410	Telcordia Issue 1	Level I		11.00	0.002254	.1706	443576648.79
105A556269	Resistor	R214,R350,R5	Telcordia Issue 1	Level I		3.00	0.002254	.0465	443576648.79

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105A700139	Resistor	R119,R157,R191, R195,R199,R206, R208,R223,R23,R233, R234,R236,R237, R238,R239,R240, R242,R244,R262, R274,R282,R298,R30, R31,R317,R327,R362, R387,R404,R411, R428,R429,R438,R47, R474,R485,R517, R545,R562,R567, R568,R601,R605,	Telcordia Issue 1	Level I		46.00	0.002254	.7134	443576648.79
105A511333	Resistor	R28	Telcordia Issue 1	Level I		1.00	0.002254	.0155	443576648.79
105A701069	Resistor	R37,R482	Telcordia Issue 1	Level I		2.00	0.013526	.1861	73929441.47
1050524904	Resistor	R175,R337,R352,R39	Telcordia Issue 1	Level I		4.00	0.002254	.0620	443576648.79
105A545303	Resistor	R46	Telcordia Issue 1	Level I		1.00	0.002254	.0155	443576648.79
105A532413	Resistor	R50	Telcordia Issue 1	Level I		1.00	0.002254	.0155	443576648.79
1050502204	Resistor	R141,R246,R369, R447,R448,R466,R51, R57	Telcordia Issue 1	Level I		8.00	0.002254	.1241	443576648.79
1050505124	Resistor	R52,R548	Telcordia Issue 1	Level I		2.00	0.002254	.0310	443576648.79
1050702734	Resistor	R296,R55	Telcordia Issue 1	Level I		2.00	0.002254	.0310	443576648.79
105A702229	Resistor	R137,R147,R342, R359,R379,R380,R61, R63,R85	Telcordia Issue 1	Level I		9.00	0.002254	.1396	443576648.79
105A502039	Resistor	R251,R550,R566, R569,R66	Telcordia Issue 1	Level I		5.00	0.002254	.0775	443576648.79
105A500139	Resistor	R189,R194,R216, R275,R285,R426, R498,R519,R535,R67	Telcordia Issue 1	Level I		10.00	0.002254	.1551	443576648.79
105A549919	Resistor	R303,R305,R551, R552,R553,R554,R68	Telcordia Issue 1	Level I		7.00	0.002254	.1086	443576648.79
105A704709	Resistor	R116,R121,R127, R135,R140,R148, R153,R156,R159, R162,R164,R166, R176,R178,R179, R180,R182,R183, R185,R187,R192, R197,R201,R391, R399,R76,R83,R90, R94	Telcordia Issue 1	Level I		29.00	0.002254	.4497	443576648.79
105A768009	Resistor	R114,R120,R125, R133,R82,R89,R93	Telcordia Issue 1	Level I		7.00	0.002254	.1086	443576648.79

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105A501039	Resistor	R100,R102,R335, R338,R406,R499, R505,R506,R508, R509,R510,R547	Telcordia Issue 1	Level I		12.00	0.002254	.1861	443576648.79
105A706829	Resistor	R104,R105	Telcordia Issue 1	Level I		2.00	0.002254	.0310	443576648.79
105A515009	Resistor	R106,R107,R108, R578,R580,R582	Telcordia Issue 1	Level I		6.00	0.002254	.0931	443576648.79
105A580623	Resistor	R111	Telcordia Issue 1	Level I		1.00	0.002254	.0155	443576648.79
105A505109	Resistor	R115,R126,R134, R149,R184,R186, R190,R503,R513, R518,R521,R523, R531	Telcordia Issue 1	Level I		13.00	0.002254	.2016	443576648.79
105A515033	Resistor	R117	Telcordia Issue 1	Level I		1.00	0.002254	.0155	443576648.79
105A536533	Resistor	R122	Telcordia Issue 1	Level I		1.00	0.002254	.0155	443576648.79
1050501004	Resistor	R123,R181,R247, R249,R279,R284, R299,R375,R376, R386,R435,R436, R473,R475,R478, R574,R575	Telcordia Issue 1	Level I		17.00	0.002254	.2636	443576648.79
105A575033	Resistor	R129	Telcordia Issue 1	Level I		1.00	0.002254	.0155	443576648.79
105A568163	Resistor	R136	Telcordia Issue 1	Level I		1.00	0.002254	.0155	443576648.79
105A513033	Resistor	R144	Telcordia Issue 1	Level I		1.00	0.002254	.0155	443576648.79
105A580663	Resistor	R150,R151	Telcordia Issue 1	Level I		2.00	0.002254	.0310	443576648.79
105A700003	Resistor	R258,R349,R351, R401,R449,R450, R451,R530	Telcordia Issue 1	Level I		8.00	0.002254	.1241	443576648.79
105A522669	Resistor	R168	Telcordia Issue 1	Level I		1.00	0.002254	.0155	443576648.79
105A502003	Resistor	R177	Telcordia Issue 1	Level I		1.00	0.002254	.0155	443576648.79
105A500239	Resistor	R198,R497	Telcordia Issue 1	Level I		2.00	0.002254	.0310	443576648.79
1050547004	Resistor	R203,R210,R373	Telcordia Issue 1	Level I		3.00	0.002254	.0465	443576648.79
105A549969	Resistor	R492	Telcordia Issue 1	Level I		1.00	0.002254	.0155	443576648.79
105A507523	Resistor	R219,R259	Telcordia Issue 1	Level I		2.00	0.002254	.0310	443576648.79
105A556213	Resistor	R264	Telcordia Issue 1	Level I		1.00	0.002254	.0155	443576648.79
1059700001	Resistor	R286,R325	Telcordia Issue 1	Level I		2.00	0.002254	.0310	443576648.79
105A501233	Resistor	R287,R385	Telcordia Issue 1	Level I		2.00	0.002254	.0310	443576648.79
105A523713	Resistor	R310,R465	Telcordia Issue 1	Level I		2.00	0.002254	.0310	443576648.79
105A747039	Resistor	R328	Telcordia Issue 1	Level I		1.00	0.002254	.0155	443576648.79
105A701009	Resistor	R332,R353,R467, R471	Telcordia Issue 1	Level I		4.00	0.002254	.0620	443576648.79
105A702263	Resistor	R346,R446,R462	Telcordia Issue 1	Level I		3.00	0.002254	.0465	443576648.79
1050533034	Resistor	R348,R368	Telcordia Issue 1	Level I		2.00	0.002254	.0310	443576648.79

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Description Top-level assembly
File Name GENE-LN05.RPJ
Time 13:57
Failure Rate 14.536540
MTBF 68,792

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A513723	Resistor	R360	Telcordia Issue 1	Level I		1.00	0.002254	.0155	443576648.79
1059702261	Resistor	R453,R454	Telcordia Issue 1	Level I		2.00	0.002254	.0310	443576648.79
105A566503	Resistor	R458	Telcordia Issue 1	Level I		1.00	0.002254	.0155	443576648.79
105A554923	Resistor	R459	Telcordia Issue 1	Level I		1.00	0.002254	.0155	443576648.79
105A584523	Resistor	R460	Telcordia Issue 1	Level I		1.00	0.002254	.0155	443576648.79
105A501539	Resistor	R493	Telcordia Issue 1	Level I		1.00	0.002254	.0155	443576648.79
105A503039	Resistor	R507	Telcordia Issue 1	Level I		1.00	0.002254	.0155	443576648.79
105A701003	Resistor	R511	Telcordia Issue 1	Level I		1.00	0.002254	.0155	443576648.79
105A575003	Resistor	R512	Telcordia Issue 1	Level I		1.00	0.002254	.0155	443576648.79
105A501413	Resistor	R515	Telcordia Issue 1	Level I		1.00	0.002254	.0155	443576648.79
105A534823	Resistor	R543	Telcordia Issue 1	Level I		1.00	0.002254	.0155	443576648.79
105A568123	Resistor	R544	Telcordia Issue 1	Level I		1.00	0.002254	.0155	443576648.79
105A722009	Resistor	R556,R557,R558, R560,R563,R564	Telcordia Issue 1	Level I		6.00	0.002254	.0931	443576648.79
105A700239	Resistor	R570,R571	Telcordia Issue 1	Level I		2.00	0.002254	.0310	443576648.79
105A507509	Resistor	R579,R581,R583	Telcordia Issue 1	Level I		3.00	0.002254	.0465	443576648.79
1189633193	Capacitor	TC1,TC12,TC2,TC6, TC9	Telcordia Issue 1	Level I		5.00	0.004509	.1551	221788324.40
1189627150	Capacitor	TC10,TC15,TC16, TC17,TC18,TC20, TC21,TC3,TC7	Telcordia Issue 1	Level I		9.00	0.004509	.2792	221788324.40
1189633160	Capacitor	TC22,TC23,TC24,TC4	Telcordia Issue 1	Level I		4.00	0.004509	.1241	221788324.40
1189615151	Capacitor	TC11,TC13,TC14, TC19,TC25,TC26, TC27,TC28	Telcordia Issue 1	Level I		8.00	0.004509	.2481	221788324.40
1182622080	Capacitor	TC8	Telcordia Issue 1	Level I		1.00	0.004509	.0310	221788324.40
14S9811500	Integrated Circuit	U1	Telcordia Issue 1	Level I		1.00	0.058076	.3995	17218806.10
1315667910	Semiconductor	U2,U74,U75	Telcordia Issue 1	Level I		3.00	0.157838	3.2574	6335593.76
1315441012	Semiconductor	U4,U45	Telcordia Issue 1	Level I		2.00	0.078919	1.0858	12671187.53
1315970211	Semiconductor	U18,U20,U6,U63	Telcordia Issue 1	Level I		4.00	0.157838	4.3432	6335593.76
14S4021301	Integrated Circuit	U13,U17,U25,U29, U64,U7	Telcordia Issue 1	Level I		6.00	0.058076	2.3971	17218806.10
1315422410	Semiconductor	U9	Telcordia Issue 1	Level I		1.00	0.078919	.5429	12671187.53
14S2362400	Integrated Circuit	U10	Telcordia Issue 1	Level I		1.00	0.058076	.3995	17218806.10
14S4280121	Integrated Circuit	U11	Telcordia Issue 1	Level I	25.40	1.00	0.102104	.7024	9793932.95
14S5A00821	Integrated Circuit	U12,U38,U69	Telcordia Issue 1	Level I		3.00	0.025724	.5309	38873587.95
14S2538000	Integrated Circuit	U14	Telcordia Issue 1	Level I		1.00	0.058076	.3995	17218806.10
14S3050100	Integrated Circuit	U15	Telcordia Issue 1	Level I	23.80	1.00	0.292136	2.0097	3423063.49
14S4600004	Integrated Circuit	U16	Telcordia Issue 1	Level I		1.00	0.058076	.3995	17218806.10
14S4166012	Integrated Circuit	U19	Telcordia Issue 1	Level I	11.00	1.00	0.048053	.3306	20810453.19
14S4121601	Integrated Circuit	U21	Telcordia Issue 1	Level I	10.70	1.00	0.047269	.3252	21155623.14

AAEON Reliability Prediction Report

Part Number 9697LN0506-D
Reference Des
Date 10. 5, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.70



Description Top-level assembly
File Name GENE-LN05.RPJ
Time 13:57
Failure Rate 14.536540
MTBF 68,792

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
14S5A12506	Integrated Circuit	U22	Telcordia Issue 1	Level I		1.00	0.025724	.1770	38873587.95
14S2591200	Integrated Circuit	U23	Telcordia Issue 1	Level I		1.00	0.058076	.3995	17218806.10
14S5A00601	Integrated Circuit	U24	Telcordia Issue 1	Level I		1.00	0.025724	.1770	38873587.95
14S4362707	Integrated Circuit	U26	Telcordia Issue 1	Level I	11.30	1.00	0.048848	.3360	20471568.86
14S4048503	Integrated Circuit	U27,U30	Telcordia Issue 1	Level I		2.00	0.058076	.7990	17218806.10
14S5A12503	Integrated Circuit	U28,U35	Telcordia Issue 1	Level I		2.00	0.058076	.7990	17218806.10
14S2041500	Integrated Circuit	U31	Telcordia Issue 1	Level I		1.00	0.058076	.3995	17218806.10
14S2048800	Integrated Circuit	U32	Telcordia Issue 1	Level I		1.00	0.031305	.2154	31944245.66
14S4256701	Integrated Circuit	U33	Telcordia Issue 1	Level I	10.70	1.00	0.047269	.3252	21155623.14
14S4258300	Integrated Circuit	U34	Telcordia Issue 1	Level I	11.80	1.00	0.050200	.3453	19920388.08
14S5A73200	Integrated Circuit	U36	Telcordia Issue 1	Level I		1.00	0.025724	.1770	38873587.95
14S3088800	Integrated Circuit	U37	Telcordia Issue 1	Level I	18.20	1.00	0.070650	.4860	14154322.83
1315155510	Semiconductor	U39,U40,U41	Telcordia Issue 1	Level I		3.00	0.157838	3.2574	6335593.76
14S5912300	Integrated Circuit	U43	Telcordia Issue 1	Level I		1.00	0.025724	.1770	38873587.95
14S4081110	Integrated Circuit	U46	Telcordia Issue 1	Level I		1.00	0.058076	.3995	17218806.10
1315446310	Semiconductor	U47,U48	Telcordia Issue 1	Level I		2.00	0.078919	1.0858	12671187.53
14S9103200	Integrated Circuit	U50	Telcordia Issue 1	Level I		1.00	0.058076	.3995	17218806.10
14S4911216	Integrated Circuit	U52	Telcordia Issue 1	Level I	19.40	1.00	0.220706	1.5183	4530906.08
1315482410	Semiconductor	U53,U62	Telcordia Issue 1	Level I		2.00	0.078919	1.0858	12671187.53
1315482110	Semiconductor	U54,U58	Telcordia Issue 1	Level I		2.00	0.078919	1.0858	12671187.53
14S4195710	Integrated Circuit	U55	Telcordia Issue 1	Level I		1.00	0.058076	.3995	17218806.10
1315997510	Semiconductor	U59,U60	Telcordia Issue 1	Level I		2.00	0.078919	1.0858	12671187.53
14S3156500	Semiconductor	U61	Telcordia Issue 1	Level I	23.40	1.00	0.088443	.6084	11306728.15
14S3524700	Integrated Circuit	U65	Telcordia Issue 1	Level I		1.00	0.058076	.3995	17218806.10
14S3128421	Integrated Circuit	U66	Telcordia Issue 1	Level I		1.00	0.058076	.3995	17218806.10
14S4751100	Integrated Circuit	U67	Telcordia Issue 1	Level I		1.00	0.025724	.1770	38873587.95
14S2200900	Integrated Circuit	U68	Telcordia Issue 1	Level I		1.00	0.058076	.3995	17218806.10
1231332721	Miscellaneous	Y1	Telcordia Issue 1	Level I		1.00	0.150000	1.0319	6666666.67
123131435J	Miscellaneous	Y2	Telcordia Issue 1	Level I		1.00	0.150000	1.0319	6666666.67
123132505D	Miscellaneous	Y3,Y4	Telcordia Issue 1	Level I		2.00	0.150000	2.0638	6666666.67
14S6308002	Integrated Circuit	U57	Telcordia Issue 1	Level I		1.00	0.035103	.2415	28487843.27
11C9501050	Capacitor	C343	Telcordia Issue 1	Level I		1.00	0.004509	.0310	221788324.40
105A705629	Resistor	R409	Telcordia Issue 1	Level I		1.00	0.002254	.0155	443576648.79
1214309008	Inductor	CH2,CH3,CH4,CH5, CH6,CH7,CH8	Telcordia Issue 1	Level I		7.00	0.002254	.1086	443576648.79
121110226J	Inductor	L1	Telcordia Issue 1	Level I		1.00	0.085667	.5893	11673069.71

