

Report NO. : 11E070006

NanoCOM-LN

Reliability Prediction Report

(MTBF)

Summary	Failure Rate: 8.477973 ppm MTBF: 117,953 Hours
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Issue date	Approval	Test Engineer
2011/01/25	Jansin Lee	Jessica Chou

Reliability Prediction (MTBF)

I . Model Name: TF-NANOCOM-LN-A10

II . Prediction Date: Jan. 25, 2011

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

IV . Predicted by: Jessica Chou

V . Equipment: Relex Ver.7.3 Visual Reliability Software

VI . Simulation Environment:

- Temperature: 20.9 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-NANOCOM-LN-A10:

- Failure Rate: 8.477973 ppm
- MTBF: 117,953 Hours

AAEON Reliability Prediction Report

Part Number 9697NULN02-D
Reference Des
Date 01. 25, 2011
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 20.90

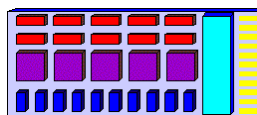


Description Top-level assembly
File Name NanoCOM-LN.RPJ
Time 15:12
Failure Rate 8.477973
MTBF 117,953

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
TF-NANOCOM-LN-A10	9697NULN02-D	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled	100.00	1.00	8.48	117952.72

AAEON Reliability Prediction Report

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Description Top-level assembly
File Name NanoCOM-LN.RPJ
Time 15:12
Failure Rate 8.477973
MTBF 117,953

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1655906121	Connection	CN3	Telcordia Issue 1	Level I		1.00	0.000916	.0108	1091999147.47
16540M0001	Connection	CN1	Telcordia Issue 1	Level I		1.00	0.100733	1.1882	9927264.98
1655902130	Connection	CN2	Telcordia Issue 1	Level I		1.00	0.000916	.0108	1091999147.47
1121501690	Capacitor	C1,C10,C102,C106, C11,C110,C114,C116, C119,C12,C124,C125, C126,C128,C13,C130, C131,C132,C134, C136,C139,C14,C142, C146,C15,C157,C158, C16,C162,C163,C166, C168,C169,C17,C171, C173,C179,C18,C181, C186,C19,C191,C193, C197,C2,C20,C200, C202,C207,C21,C	Telcordia Issue 1	Level I		119.00	0.004181	5.8680	239200083.82
11C2522480	Capacitor	C96	Telcordia Issue 1	Level I		1.00	0.004181	.0493	239200083.82
1124522280	Capacitor	C249	Telcordia Issue 1	Level I		1.00	0.004181	.0493	239200083.82
1129610080	Capacitor	C113,C133,C140, C141,C148,C152, C161,C174,C176, C177,C178,C182, C187,C188,C194, C203,C206,C209, C217,C233,C254, C255,C256,C257, C266,C275,C278, C281,C29,C291,C301, C36,C44,C46,C61, C83,C87,C89	Telcordia Issue 1	Level I		38.00	0.004181	1.8738	239200083.82
11E9501091	Capacitor	C101,C103,C109, C137,C138,C145, C156,C160,C164, C167,C192,C199, C205,C208,C210, C229,C232,C234, C237,C238,C239, C240,C241,C242, C250,C251,C258, C265,C286,C287, C298,C299,C42,C52, C55,C57,C58,C59, C60,C62,C64,C79	Telcordia Issue 1	Level I		43.00	0.004181	2.1204	239200083.82

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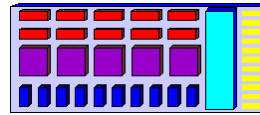


Description Top-level assembly
File Name NanoCOM-LN.RPJ
Time 15:12
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MTBF 117,953

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
11C1547890	Capacitor	C184,C190	Telcordia Issue 1	Level I		2.00	0.004181	.0986	239200083.82
11E9622050	Capacitor	C149,C150,C151, C185,C204,C22,C30	Telcordia Issue 1	Level I		7.00	0.004181	.3452	239200083.82
1129622690	Capacitor	C147,C153,C172, C196,C297	Telcordia Issue 1	Level I		5.00	0.004181	.2466	239200083.82
1124427090	Capacitor	C104,C107,C165, C170	Telcordia Issue 1	Level I		4.00	0.004181	.1972	239200083.82
1129701790	Capacitor	C108,C143,C216, C219,C34	Telcordia Issue 1	Level I		5.00	0.004181	.2466	239200083.82
1129710090	Capacitor	C23,C24	Telcordia Issue 1	Level I		2.00	0.004181	.0986	239200083.82
11E9547680	Capacitor	C28	Telcordia Issue 1	Level I		1.00	0.004181	.0493	239200083.82
1124547190	Capacitor	C118,C214,C260, C292	Telcordia Issue 1	Level I		4.00	0.004181	.1972	239200083.82
11E2501080	Capacitor	C127,C183,C201, C294	Telcordia Issue 1	Level I		4.00	0.004181	.1972	239200083.82
11C2510480	Capacitor	C122,C123,C129, C269,C270,C293,C98	Telcordia Issue 1	Level I		7.00	0.004181	.3452	239200083.82
11E2510060	Capacitor	C120,C121,C277, C280	Telcordia Issue 1	Level I		4.00	0.004181	.1972	239200083.82
11C9510050	Capacitor	C189,C195,C198,C65	Telcordia Issue 1	Level I		4.00	0.004181	.1972	239200083.82
1124433090	Capacitor	C175,C180	Telcordia Issue 1	Level I		2.00	0.004181	.0986	239200083.82
1129710390	Capacitor	C100,C144,C154, C289,C51,C85	Telcordia Issue 1	Level I		6.00	0.004181	.2959	239200083.82
11E9647680	Capacitor	C245	Telcordia Issue 1	Level I		1.00	0.004181	.0493	239200083.82
11E2647650	Capacitor	C274,C283	Telcordia Issue 1	Level I		2.00	0.004181	.0986	239200083.82
11C2522650	Capacitor	C105	Telcordia Issue 1	Level I		1.00	0.004181	.0493	239200083.82
1124533190	Capacitor	C135,C261	Telcordia Issue 1	Level I		2.00	0.004181	.0986	239200083.82
1124433690	Capacitor	C155,C159	Telcordia Issue 1	Level I		2.00	0.004181	.0986	239200083.82
1124510280	Capacitor	C288	Telcordia Issue 1	Level I		1.00	0.004181	.0493	239200083.82
1129747090	Capacitor	C71	Telcordia Issue 1	Level I		1.00	0.004181	.0493	239200083.82
11C2539290	Capacitor	C220,C221,C222, C223,C224,C225,C68, C69,C74,C75,C76, C77	Telcordia Issue 1	Level I		12.00	0.004181	.5917	239200083.82
1124447180	Capacitor	C112	Telcordia Issue 1	Level I		1.00	0.004181	.0493	239200083.82
1124522180	Capacitor	C111	Telcordia Issue 1	Level I		1.00	0.004181	.0493	239200083.82
1301005440	Semiconductor	D2	Telcordia Issue 1	Level I		1.00	0.021192	.2500	47188475.48
1301400541	Semiconductor	D1	Telcordia Issue 1	Level I		1.00	0.021192	.2500	47188475.48
1301053040	Semiconductor	D11,D6	Telcordia Issue 1	Level I		2.00	0.021192	.4999	47188475.48
1301003440	Semiconductor	D3,D4	Telcordia Issue 1	Level I		2.00	0.021192	.4999	47188475.48
1301005444	Semiconductor	D5	Telcordia Issue 1	Level I		1.00	0.021192	.2500	47188475.48
1305099140	Semiconductor	D7,D8	Telcordia Issue 1	Level I		2.00	0.070639	1.6664	14156542.64
1301005442	Semiconductor	D10,D9	Telcordia Issue 1	Level I		2.00	0.021192	.4999	47188475.48
121230603S	Inductor	L10,L16,L17,L18, L20	Telcordia Issue 1	Level I		5.00	0.002090	.1233	478400167.64
1211100102	Inductor	L13,L14,L5,L6,L7, L9	Telcordia Issue 1	Level I		6.00	0.079431	5.6215	12589478.10

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MTBF 117,953

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12123C0003	Inductor	L1,L15	Telcordia Issue 1	Level I		2.00	0.002090	.0493	478400167.64
121110106E	Inductor	L11	Telcordia Issue 1	Level I		1.00	0.079431	.9369	12589478.10
121110106E	Inductor	L2	Telcordia Issue 1	Level I	12.00	1.00	0.100199	1.1819	9980119.57
121110226H	Inductor	L19	Telcordia Issue 1	Level I		1.00	0.079431	.9369	12589478.10
121110226H	Inductor	L3	Telcordia Issue 1	Level I	17.80	1.00	0.111387	1.3138	8977702.23
121110100Y	Inductor	L12	Telcordia Issue 1	Level I	41.30	1.00	0.004335	.0511	230658655.89
1311390612	Semiconductor	Q20	Telcordia Issue 1	Level I		1.00	0.021192	.2500	47188475.48
1310390413	Semiconductor	Q13,Q2,Q23,Q28,Q29	Telcordia Issue 1	Level I		5.00	0.021192	1.2498	47188475.48
1311138610	Semiconductor	Q25	Telcordia Issue 1	Level I		1.00	0.021192	.2500	47188475.48
1314880010	Integrated Circuit	Q5	Telcordia Issue 1	Level I		1.00	0.043798	.5166	22831840.41
1315700216	Semiconductor	Q1,Q10,Q12,Q19,Q21,Q3,Q30,Q6,Q7,Q8	Telcordia Issue 1	Level I		10.00	0.070639	8.3320	14156542.64
1315495710	Integrated Circuit	Q4	Telcordia Issue 1	Level I		1.00	0.043798	.5166	22831840.41
1315997510	Semiconductor	Q11	Telcordia Issue 1	Level I	30.70	1.00	0.160595	1.8943	6226843.91
1315997510	Semiconductor	Q17	Telcordia Issue 1	Level I	40.80	1.00	0.203599	2.4015	4911627.00
1315482110	Semiconductor	Q15	Telcordia Issue 1	Level I		1.00	0.070639	.8332	14156542.64
1315422410	Semiconductor	Q16	Telcordia Issue 1	Level I		1.00	0.070639	.8332	14156542.64
1315482410	Semiconductor	Q14	Telcordia Issue 1	Level I		1.00	0.070639	.8332	14156542.64
1540747083	Resistor	RN1,RN15,RN17,RN2,RN3,RN4,RN5,RN6	Telcordia Issue 1	Level I		8.00	0.005165	.4874	193619057.78
1540782282	Resistor	RN10,RN14,RN18,RN19,RN7,RN8,RN9	Telcordia Issue 1	Level I		7.00	0.010330	.8529	96809528.89
1540710382	Resistor	RN11,RN12,RN13, RN16	Telcordia Issue 1	Level I		4.00	0.005165	.2437	193619057.78
106B510030	Resistor	RT1	Telcordia Issue 1	Level I		1.00	0.009158	.1080	109199914.75
1050508224	Resistor	R112,R113,R124,R125,R172,R207,R23,R239,R309,R310, R372,R373,R54	Telcordia Issue 1	Level I		13.00	0.002090	.3205	478400167.64
105A511823	Resistor	R152	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A523713	Resistor	R311	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A503333	Resistor	R142	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
1051501582	Resistor	R139	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A710009	Resistor	R138,R147	Telcordia Issue 1	Level I		2.00	0.002090	.0493	478400167.64
1050524904	Resistor	R134	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
1050556269	Resistor	R133,R143	Telcordia Issue 1	Level I		2.00	0.002090	.0493	478400167.64
105A501223	Resistor	R130	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A518229	Resistor	R129	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A529423	Resistor	R127	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64

AAEON Reliability Prediction Report

Part Number 9697NULN02-D
Reference Des
Date 01. 25, 2011
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 20.90



Description Top-level assembly
File Name NanoCOM-LN.RPJ
Time 15:12
Failure Rate 8.477973
MTBF 117,953

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1315230511	Semiconductor	Q26,Q31	Telcordia Issue 1	Level I		2.00	0.070639	1.6664	14156542.64
105A502223	Resistor	R151	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
1050536514	Resistor	R146	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A510523	Resistor	R196	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A503633	Resistor	R202	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A501139	Resistor	R258	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A706829	Resistor	R266	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A549963	Resistor	R290,R317	Telcordia Issue 1	Level I		2.00	0.002090	.0493	478400167.64
105A501039	Resistor	R108,R12,R13,R131, R136,R149,R16,R17, R171,R173,R182, R184,R195,R197, R198,R2,R20,R200, R201,R21,R212,R213, R215,R22,R223,R224, R226,R227,R228, R235,R238,R252, R253,R264,R268, R269,R279,R28,R284, R29,R3,R318,R320, R324,R34,R340,R	Telcordia Issue 1	Level I		63.00	0.002090	1.5533	478400167.64
105A575003	Resistor	R291	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A700009	Resistor	R105,R137,R154, R155,R156,R157, R158,R159,R165, R174,R175,R176, R181,R185,R189, R190,R194,R199, R206,R214,R217, R230,R237,R242, R243,R244,R245, R248,R249,R257,R27, R286,R287,R326, R337,R341,R343, R345,R346,R348,	Telcordia Issue 1	Level I		50.00	0.002090	1.2328	478400167.64
105A566503	Resistor	R50	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A500139	Resistor	R101,R106,R107, R119,R126,R170, R183,R186,R19,R271, R285,R306,R312, R352,R42,R45,R67, R80,R84,R89	Telcordia Issue 1	Level I		20.00	0.002090	.4931	478400167.64

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MTBF 117,953

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A505109	Resistor	R102,R103,R299, R301,R302,R303,R93, R94,R95,R96,R97, R98,R99	Telcordia Issue 1	Level I		13.00	0.002090	.3205	478400167.64
105A708209	Resistor	R315	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A556263	Resistor	R316	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A710039	Resistor	R14,R178,R18,R219, R307,R308,R355, R358	Telcordia Issue 1	Level I		8.00	0.002090	.1972	478400167.64
105A500239	Resistor	R100,R120,R254, R256,R305	Telcordia Issue 1	Level I		5.00	0.002090	.1233	478400167.64
105A702229	Resistor	R160,R188,R250, R282,R60,R62,R69, R71	Telcordia Issue 1	Level I		8.00	0.002090	.1972	478400167.64
105A568163	Resistor	R90	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105270000A	Resistor	R327	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A515009	Resistor	R41,R43,R47	Telcordia Issue 1	Level I		3.00	0.002090	.0740	478400167.64
105A704729	Resistor	R118,R216,R262, R272,R297,R354,R55, R56,R61,R87	Telcordia Issue 1	Level I		10.00	0.002090	.2466	478400167.64
105A580663	Resistor	R220,R221	Telcordia Issue 1	Level I		2.00	0.002090	.0493	478400167.64
105A700003	Resistor	L4,R179,R191,R292, R294,R338,R63	Telcordia Issue 1	Level I		7.00	0.002090	.1726	478400167.64
105A503309	Resistor	R203,R232,R233, R251,R357,R75	Telcordia Issue 1	Level I		6.00	0.002090	.1479	478400167.64
105A704709	Resistor	R229,R234	Telcordia Issue 1	Level I		2.00	0.002090	.0493	478400167.64
105A501053	Resistor	R167,R169	Telcordia Issue 1	Level I		2.00	0.002090	.0493	478400167.64
105A702209	Resistor	R10,R150,R177,R180, R26,R9	Telcordia Issue 1	Level I		6.00	0.002090	.1479	478400167.64
105A524963	Resistor	R141,R166,R59	Telcordia Issue 1	Level I		3.00	0.002090	.0740	478400167.64
105A501033	Resistor	R114,R210,R218, R231,R70	Telcordia Issue 1	Level I		5.00	0.002090	.1233	478400167.64
105A522663	Resistor	R51	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A532413	Resistor	R7	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A502133	Resistor	R236	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A545303	Resistor	R11	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A510053	Resistor	R1	Telcordia Issue 1	Level I		1.00	0.012542	.1479	79733361.27
105A502033	Resistor	R145	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A701009	Resistor	R24,R295,R32,R33	Telcordia Issue 1	Level I		4.00	0.002090	.0986	478400167.64
105A700103	Resistor	R135,R140,R39,R58	Telcordia Issue 1	Level I		4.00	0.002090	.0986	478400167.64
105A533033	Resistor	R132,R168	Telcordia Issue 1	Level I		2.00	0.002090	.0493	478400167.64
105A549913	Resistor	R332	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A505123	Resistor	R330,R331	Telcordia Issue 1	Level I		2.00	0.002090	.0493	478400167.64
105A710033	Resistor	R163,R204	Telcordia Issue 1	Level I		2.00	0.002090	.0493	478400167.64
105A702263	Resistor	R116,R79	Telcordia Issue 1	Level I		2.00	0.002090	.0493	478400167.64
105A507533	Resistor	R128	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64

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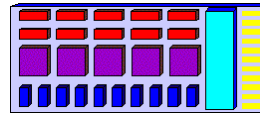


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105A501553	Resistor	R30	Telcordia Issue 1	Level I		1.00	0.012542	.1479	79733361.27
105A510033	Resistor	R192	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A720009	Resistor	R121,R122,R353, R356	Telcordia Issue 1	Level I		4.00	0.002090	.0986	478400167.64
105A501413	Resistor	R277	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A510003	Resistor	R289,R76	Telcordia Issue 1	Level I		2.00	0.002090	.0493	478400167.64
1059702261	Resistor	R322,R86	Telcordia Issue 1	Level I		2.00	0.002090	.0493	478400167.64
105A500133	Resistor	R193,R288,R81	Telcordia Issue 1	Level I		3.00	0.002090	.0740	478400167.64
105A701003	Resistor	R162,R205	Telcordia Issue 1	Level I		2.00	0.002090	.0493	478400167.64
105A502839	Resistor	R293	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A549933	Resistor	R78	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A580623	Resistor	R77	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A519633	Resistor	R65	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A528733	Resistor	R64	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A768009	Resistor	R296,R298,R313, R314, R319, R321, R323	Telcordia Issue 1	Level I		7.00	0.002090	.1726	478400167.64
105A554923	Resistor	R109,R153,R161	Telcordia Issue 1	Level I		3.00	0.002090	.0740	478400167.64
105A513033	Resistor	R117	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A584523	Resistor	R110	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
1189627150	Capacitor	TC12,TC13,TC3,TC7, TC9	Telcordia Issue 1	Level I		5.00	0.004181	.2466	239200083.82
1189622151	Capacitor	TC1,TC11,TC2	Telcordia Issue 1	Level I		3.00	0.034341	1.2152	29119977.27
1189610151	Capacitor	TC10,TC14,TC6,TC8	Telcordia Issue 1	Level I		4.00	0.004181	.1972	239200083.82
1182633080	Capacitor	TC5	Telcordia Issue 1	Level I		1.00	0.004181	.0493	239200083.82
14S4166013	Integrated Circuit	U5	Telcordia Issue 1	Level I	34.40	1.00	0.131882	1.5556	7582514.95
14S5A00704	Integrated Circuit	U19	Telcordia Issue 1	Level I		1.00	0.020506	.2419	48766610.36
14S3050101	Integrated Circuit	U17	Telcordia Issue 1	Level I	21.80	1.00	0.201539	2.3772	4961830.70
14S4280121	Integrated Circuit	U4	Telcordia Issue 1	Level I		1.00	0.020506	.2419	48766610.36
14S4256701	Integrated Circuit	U8	Telcordia Issue 1	Level I		1.00	0.020506	.2419	48766610.36
14S3621601	Integrated Circuit	U11	Telcordia Issue 1	Level I		1.00	0.043798	.5166	22831840.41
14S3511800	Integrated Circuit	U12	Telcordia Issue 1	Level I	19.60	1.00	0.174439	2.0576	5732676.86
14S6864600	Integrated Circuit	U14	Telcordia Issue 1	Level I	24.50	1.00	0.592472	6.9884	1687843.71
14S6864600	Integrated Circuit	U1,U13,U2	Telcordia Issue 1	Level I		3.00	0.151037	5.3446	6620905.41
14S4751100	Integrated Circuit	U6	Telcordia Issue 1	Level I	21.80	1.00	0.069914	.8247	14303288.25
14S2048800	Integrated Circuit	U18	Telcordia Issue 1	Level I	25.20	1.00	0.135267	1.5955	7392789.43
14S2017400	Integrated Circuit	U15,U16	Telcordia Issue 1	Level I		2.00	0.020506	.4837	48766610.36
14S3033800	Integrated Circuit	U22	Telcordia Issue 1	Level I	20.30	1.00	0.182681	2.1548	5474031.82
14S4612700	Integrated Circuit	U25	Telcordia Issue 1	Level I		1.00	0.043798	.5166	22831840.41

AAEON Reliability Prediction Report

Part Number 9697NULN02-D
Reference Des
Date 01. 25, 2011
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 20.90



Description Top-level assembly
File Name NanoCOM-LN.RPJ
Time 15:12
Failure Rate 8.477973
MTBF 117,953

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
14S9781800	Integrated Circuit	U24	Telcordia Issue 1	Level I		1.00	0.043798	.5166	22831840.41
14S4100400	Integrated Circuit	U27	Telcordia Issue 1	Level I	21.50	1.00	0.068823	.8118	14530034.10
14S2321100	Integrated Circuit	U28	Telcordia Issue 1	Level I		1.00	0.043798	.5166	22831840.41
14S4195710	Integrated Circuit	U23	Telcordia Issue 1	Level I	28.00	1.00	0.299564	3.5334	3338181.74
123131435J	Miscellaneous	Y4	Telcordia Issue 1	Level I		1.00	0.150000	1.7693	6666666.67
1231332722	Miscellaneous	Y1	Telcordia Issue 1	Level I		1.00	0.150000	1.7693	6666666.67
123132505D	Miscellaneous	Y3	Telcordia Issue 1	Level I		1.00	0.150000	1.7693	6666666.67
1231332725	Miscellaneous	Y2	Telcordia Issue 1	Level I		1.00	0.150000	1.7693	6666666.67
1600010203	Connection	SW1	Telcordia Issue 1	Level I		1.00	0.000916	.0108	1091999147.47
105A503033	Resistor	R339	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
105A526123	Resistor	R360	Telcordia Issue 1	Level I		1.00	0.002090	.0247	478400167.64
14S5A12505	Integrated Circuit	U29	Telcordia Issue 1	Level I		1.00	0.043798	.5166	22831840.41
14S634022E	Integrated Circuit	U20	Telcordia Issue 1	Level I	24.00	1.00	0.103233	1.2177	9686861.88
14S634022E	Integrated Circuit	U30	Telcordia Issue 1	Level I		1.00	0.019457	.2295	51396054.97
1315232310	Semiconductor	Q27	Telcordia Issue 1	Level I		1.00	0.000000	.0000	.00
14S6203203	Integrated Circuit	U3B	Telcordia Issue 1	Level I		1.00	0.020506	.2419	48766610.36