

# NanoCOM-CV

## Reliability Prediction Report

### (MTBF)

Summary	Failure Rate: 9.094379 ppm MTBF: 109,958 Hours
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Issue date

Approval

Test Engineer

2012/11/13

Tom Lin

Danny Chen

# Reliability Prediction (MTBF)

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**I . Model Name:** NanoCOM-CV (9697NUCV06-D)

**II . Prediction Date:** Nov, 13, 2012

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

**IV . Predicted by:** Danny . Chen

**V . Equipment:** Relx 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 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:**

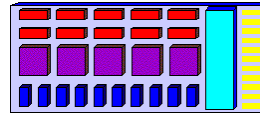
NanoCOM-CV (9697NUCV06-D):

- Failure Rate: 9.094379ppm

- MTBF: 109,958 (hour)

### AAEON Reliability Prediction Report

**Part Number** 9697nucv06-d  
**Reference Des**  
**Date** 11. 14, 2012  
**Environment** GF, GU - Ground Fixed, Uncontrolled  
**Temp. (°C)** 25.00

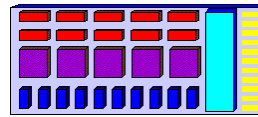


**Description** Top-level assembly  
**File Name** NanoCOM CVA.RPJ  
**Time** 16:03  
**Failure Rate** 9.094379  
**MTBF** 109,958

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
NanoCOM-CV	9697nucv06-d	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled	100.00	1.00	9.09	109958.03

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**Temp. (°C)** 25.00



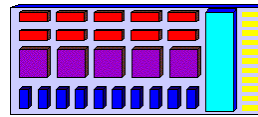
**Description** Top-level assembly  
**File Name** NanoCOM CVA.RPJ  
**Time** 16:03  
**Failure Rate** 9.094379  
**MTBF** 109,958

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1050501004	Resistor	R249	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
1050501834	Resistor	R451	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
1050502204	Resistor	R256	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
1050504724	Resistor	R480,R737,R738	Telcordia Issue 1	Level I		3.00	0.002268	.0748	440974090.03
1050504764	Resistor	R409,R412	Telcordia Issue 1	Level I		2.00	0.002268	.0499	440974090.03
1050505124	Resistor	R181	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
1050505633	Resistor	R463	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
1050507524	Resistor	R10	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
1050510034	Resistor	R191,R192,R31,R32, R402,R44,R482	Telcordia Issue 1	Level I		7.00	0.002268	.1745	440974090.03
1050511009	Resistor	R67	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
1050512104	Resistor	R45	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
1050513034	Resistor	R410,R411,R475	Telcordia Issue 1	Level I		3.00	0.002268	.0748	440974090.03
1050518034	Resistor	R478	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
1050522114	Resistor	R476	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
1050524004	Resistor	R119,R120,R121, R122,R126,R127, R128,R129,R295	Telcordia Issue 1	Level I		9.00	0.002268	.2244	440974090.03
1050524904	Resistor	R152	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
1050531614	Resistor	R292	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
1050539264	Resistor	R712,R715,R716, R717	Telcordia Issue 1	Level I		4.00	0.002268	.0997	440974090.03
1050560434	Resistor	R431	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
1050561934	Resistor	R439	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
1050590964	Resistor	R166,R168,R173, R175	Telcordia Issue 1	Level I		4.00	0.002268	.0997	440974090.03
1050703334	Resistor	R473	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
1051501582	Resistor	R733	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
1059700001	Resistor	L16,L17,L18,L19, L20	Telcordia Issue 1	Level I		5.00	0.002268	.1247	440974090.03
105A500139	Resistor	R125,R41,R418,R42, R491	Telcordia Issue 1	Level I		5.00	0.002268	.1247	440974090.03
105A500239	Resistor	R302,R446	Telcordia Issue 1	Level I		2.00	0.002268	.0499	440974090.03
105A501039	Resistor	R296,R426,R429, R436,R437,R444, R452,R454,R456, R457,R458,R462, R467,R470,R729	Telcordia Issue 1	Level I		15.00	0.002268	.3740	440974090.03
105A501223	Resistor	R734	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
105A501529	Resistor	R420	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
105A502039	Resistor	R223,R512	Telcordia Issue 1	Level I		2.00	0.002268	.0499	440974090.03



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**Temp. (°C)** 25.00

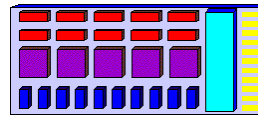


**Description** Top-level assembly  
**File Name** NanoCOM CVA.RPJ  
**Time** 16:03  
**Failure Rate** 9.094379  
**MTBF** 109,958

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A700009	Resistor	R1,R180,R182,R2, R211,R215,R22,R23, R247,R250,R265, R279,R287,R297,R3, R311,R312,R319, R332,R340,R341, R342,R343,R345, R346,R347,R348, R350,R351,R352, R354,R406,R413, R414,R419,R441, R453,R464,R468, R486,R510,R515,	Telcordia Issue 1	Level I		64.00	0.002268	1.5959	440974090.03
105A700139	Resistor	R137,R141,R219, R230,R231,R254, R262,R268,R272, R274,R280,R293, R300,R301,R39,R40, R502,R63	Telcordia Issue 1	Level I		18.00	0.002268	.4488	440974090.03
105A701003	Resistor	R401	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
105A701039	Resistor	R154,R156,R158, R160,R161,R183, R187,R194,R200, R221,R222,R235, R237,R241,R242, R244,R258,R259, R263,R264,R266, R269,R270,R271, R273,R276,R277,R29, R313,R314,R320, R324,R325,R357, R358,R37,R399,R400, R484,R487,R488,	Telcordia Issue 1	Level I		55.00	0.002268	1.3714	440974090.03
105A701059	Resistor	R177,R27,R430,R497	Telcordia Issue 1	Level I		4.00	0.002268	.0997	440974090.03
105A701069	Resistor	R213	Telcordia Issue 1	Level I		1.00	0.013606	.1496	73495681.67
105A702039	Resistor	R489	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
105A702209	Resistor	R496	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
105A702229	Resistor	R11,R12,R13,R14, R15,R16,R224,R226, R227,R228,R52,R53	Telcordia Issue 1	Level I		12.00	0.002268	.2992	440974090.03
105A702263	Resistor	R291,R298,R421, R434	Telcordia Issue 1	Level I		4.00	0.002268	.0997	440974090.03

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**Environment** GF, GU - Ground Fixed, Uncontrolled  
**Temp. (°C)** 25.00



**Description** Top-level assembly  
**File Name** NanoCOM CVA.RPJ  
**Time** 16:03  
**Failure Rate** 9.094379  
**MTBF** 109,958

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A704709	Resistor	R216,R218,R220, R284	Telcordia Issue 1	Level I		4.00	0.002268	.0997	440974090.03
105A704729	Resistor	R245,R281,R283, R286,R310,R321, R322,R323,R485, R529,R531,R701	Telcordia Issue 1	Level I		12.00	0.002268	.2992	440974090.03
105A704733	Resistor	R349	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
105A704763	Resistor	R466,R471	Telcordia Issue 1	Level I		2.00	0.002268	.0499	440974090.03
105A705139	Resistor	R424,R425,R474, R483	Telcordia Issue 1	Level I		4.00	0.002268	.0997	440974090.03
105A707509	Resistor	R66	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
105A708229	Resistor	R130,R131,R132, R133,R134,R135, R136,R140,R142, R143,R144,R145, R148,R149,R150, R151,R153,R155, R157,R159,R167, R169,R170,R203, R243	Telcordia Issue 1	Level I		25.00	0.002268	.6234	440974090.03
105A733009	Resistor	R327,R328	Telcordia Issue 1	Level I		2.00	0.002268	.0499	440974090.03
105A739039	Resistor	R197	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
105B501039	Resistor	R184,R185,R186, R188,R189,R190, R196,R201,R202, R316,R317,R326	Telcordia Issue 1	Level I		12.00	0.002268	.2992	440974090.03
106B501032	Resistor	RT1,RT2	Telcordia Issue 1	Level I		2.00	0.011379	.2503	87878027.07
1121501690	Capacitor	C464,C494	Telcordia Issue 1	Level I		2.00	0.004535	.0997	220487045.01
1121501691	Capacitor	C1,C100,C101,C102, C103,C104,C105, C106,C107,C108, C109,C110,C111, C112,C113,C114, C115,C116,C117, C118,C119,C120, C121,C124,C125, C126,C127,C128,C13, C130,C132,C133, C140,C141,C142, C143,C144,C145, C146,C147,C148,	Telcordia Issue 1	Level I		144.00	0.004535	7.1814	220487045.01
1122701680	Capacitor	C379	Telcordia Issue 1	Level I		1.00	0.004535	.0499	220487045.01
1124418090	Capacitor	C10,C11	Telcordia Issue 1	Level I		2.00	0.004535	.0997	220487045.01



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**Time** 16:03  
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**MTBF** 109,958

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1124427090	Capacitor	C200,C201	Telcordia Issue 1	Level I		2.00	0.004535	.0997	220487045.01
1124427091	Capacitor	C373,C481,C482	Telcordia Issue 1	Level I		3.00	0.004535	.1496	220487045.01
1124433090	Capacitor	C309	Telcordia Issue 1	Level I		1.00	0.004535	.0499	220487045.01
1124468090	Capacitor	C321,C322	Telcordia Issue 1	Level I		2.00	0.004535	.0997	220487045.01
1124522190	Capacitor	C320,C323	Telcordia Issue 1	Level I		2.00	0.004535	.0997	220487045.01
1124533190	Capacitor	C488	Telcordia Issue 1	Level I		1.00	0.004535	.0499	220487045.01
1129610051	Capacitor	C194,C203,C204, C211,C223,C303, C349	Telcordia Issue 1	Level I		7.00	0.004535	.3491	220487045.01
1129610080	Capacitor	C239,C306,C307, C337,C341,C356, C358,C359,C362, C364,C367,C371	Telcordia Issue 1	Level I		12.00	0.004535	.5984	220487045.01
1129622690	Capacitor	C122,C123,C308,C36, C37,C380,C45,C46, C56,C61,C62 C492	Telcordia Issue 1	Level I		11.00	0.004535	.5486	220487045.01
1129701790	Capacitor	C492	Telcordia Issue 1	Level I		1.00	0.004535	.0499	220487045.01
1129701791	Capacitor	C161,C162,C163, C164,C168,C241, C245,C246,C247, C249,C342,C343, C344,C345,C346, C347	Telcordia Issue 1	Level I		16.00	0.004535	.7979	220487045.01
1129710091	Capacitor	C156,C157	Telcordia Issue 1	Level I		2.00	0.004535	.0997	220487045.01
1129710390	Capacitor	C490,C493	Telcordia Issue 1	Level I		2.00	0.004535	.0997	220487045.01
1129710391	Capacitor	C318,C319	Telcordia Issue 1	Level I		2.00	0.004535	.0997	220487045.01
1129715090	Capacitor	C368,C369	Telcordia Issue 1	Level I		2.00	0.004535	.0997	220487045.01
1189610151	Capacitor	TC19	Telcordia Issue 1	Level I		1.00	0.004535	.0499	220487045.01
1189610192	Capacitor	TC13,TC14,TC7	Telcordia Issue 1			3.00	0.001822	.0601	548885106.58
1189622154	Capacitor	TC17,TC20	Telcordia Issue 1	Level I		2.00	0.004535	.0997	220487045.01
1189622194	Capacitor	TC15,TC16	Telcordia Issue 1	Level I		2.00	0.004535	.0997	220487045.01
1189633151	Capacitor	TC10,TC11,TC12	Telcordia Issue 1	Level I		3.00	0.004535	.1496	220487045.01
11A4433180	Capacitor	C18	Telcordia Issue 1	Level I		1.00	0.004535	.0499	220487045.01
11B2701080	Capacitor	C305	Telcordia Issue 1	Level I		1.00	0.004535	.0499	220487045.01
11C2501790	Capacitor	C197,C215	Telcordia Issue 1	Level I		2.00	0.004535	.0997	220487045.01
11C2510480	Capacitor	C315,C316,C486, C487,C489	Telcordia Issue 1	Level I		5.00	0.004535	.2494	220487045.01
11C4501790	Capacitor	C175	Telcordia Issue 1	Level I		1.00	0.004535	.0499	220487045.01
11C4522290	Capacitor	C273	Telcordia Issue 1	Level I		1.00	0.004535	.0499	220487045.01
11E1510050	Capacitor	C383,C384,C385, C386	Telcordia Issue 1	Level I		4.00	0.004535	.1995	220487045.01
11E1522680	Capacitor	C335,C336	Telcordia Issue 1	Level I		2.00	0.004535	.0997	220487045.01
11E2501080	Capacitor	C275,C491	Telcordia Issue 1	Level I		2.00	0.004535	.0997	220487045.01

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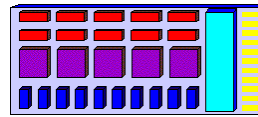


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11E2510060	Capacitor	C378,C483,C484, C485	Telcordia Issue 1	Level I		4.00	0.004535	.1995	220487045.01
11E4433690	Capacitor	C89	Telcordia Issue 1	Level I		1.00	0.004535	.0499	220487045.01
11E9501091	Capacitor	C14,C159,C160,C166, C176,C178,C179, C181,C184,C185, C186,C189,C190,C20, C21,C24,C240,C26, C27,C277,C278,C29, C30,C301,C302,C304, C31,C34,C35,C372, C381,C40,C41,C48, C496,C50,C54,C55, C58,C59,C60,C63, C64,C66,C68,C70, C72,C9	Telcordia Issue 1	Level I		48.00	0.004535	2.3938	220487045.01
11E9510050	Capacitor	C374	Telcordia Issue 1	Level I		1.00	0.004535	.0499	220487045.01
11E9510051	Capacitor	C170,C177,C180, C192,C338,C339	Telcordia Issue 1	Level I		6.00	0.004535	.2992	220487045.01
11E9547680	Capacitor	C196,C209	Telcordia Issue 1	Level I		2.00	0.004535	.0997	220487045.01
11E9610080	Capacitor	C187,C234,C270, C274,C465,C471, C473,C495,C497,C57, C65,C67,C69	Telcordia Issue 1	Level I		13.00	0.004535	.6483	220487045.01
11E9622050	Capacitor	C198,C208,C22,C220, C32,C38,C39,C42, C47,C49	Telcordia Issue 1	Level I		10.00	0.004535	.4987	220487045.01
11E9622080	Capacitor	C235,C272,C375	Telcordia Issue 1	Level I		3.00	0.004535	.1496	220487045.01
11E9647680	Capacitor	C174,C73	Telcordia Issue 1	Level I		2.00	0.004535	.0997	220487045.01
1211100113	Inductor	L4,L5,L6,L8	Telcordia Issue 1	Level I		4.00	0.002268	.0997	440974090.03
1211100160	Inductor	L7	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
121110156M	Inductor	L10	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
121110226G	Inductor	L14,L21	Telcordia Issue 1	Level I		2.00	0.086173	1.8951	11604581.32
121110226H	Inductor	L13	Telcordia Issue 1	Level I		1.00	0.086173	.9475	11604581.32
1211110062	Inductor	L22	Telcordia Issue 1	Level I	46.20	1.00	0.188697	2.0749	5299495.32
1212306030	Resistor	FB1,FB10,FB11,FB2, FB7,FB8,FB9	Telcordia Issue 1	Level I		7.00	0.011379	.8759	87878027.07
12123C0003	Inductor	FB5,FB6	Telcordia Issue 1	Level I		2.00	0.002268	.0499	440974090.03
123132505D	Miscellaneous	Y4,Y6,Y7	Telcordia Issue 1	Level I		3.00	0.150000	4.9481	6666666.67
1231327053	Miscellaneous	Y1	Telcordia Issue 1	Level I		1.00	0.150000	1.6494	6666666.67
1231332721	Miscellaneous	Y3	Telcordia Issue 1	Level I		1.00	0.150000	1.6494	6666666.67
1233310040	Miscellaneous	Y5	Telcordia Issue 1	Level I		1.00	0.360000	3.9585	2777777.78
1301003440	Semiconductor	D16	Telcordia Issue 1	Level II		1.00	0.007960	.0875	125622982.73

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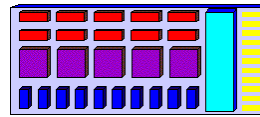


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1301003440	Semiconductor	D17	Telcordia Issue 1	Level II	39.00	1.00	0.021447	.2358	46625510.98
1301005440	Semiconductor	D6,D7	Telcordia Issue 1	Level I		2.00	0.023881	.5252	41874327.58
1301005442	Semiconductor	D11,D15	Telcordia Issue 1	Level I		2.00	0.023881	.5252	41874327.58
1301005444	Semiconductor	D1,D18,D2,D3	Telcordia Issue 1	Level I		4.00	0.023881	1.0504	41874327.58
1301053040	Semiconductor	D14	Telcordia Issue 1	Level I		1.00	0.023881	.2626	41874327.58
1304001340	Semiconductor	D10	Telcordia Issue 1	Level I		1.00	0.004877	.0536	205063180.81
1304101340	Semiconductor	D9	Telcordia Issue 1	Level I		1.00	0.004877	.0536	205063180.81
1310390413	Semiconductor	Q1,Q2,Q6,Q7	Telcordia Issue 1	Level I		4.00	0.023881	1.0504	41874327.58
1311138610	Semiconductor	Q11,Q9	Telcordia Issue 1	Level I		2.00	0.023881	.5252	41874327.58
1311390610	Semiconductor	Q3	Telcordia Issue 1	Level I		1.00	0.023881	.2626	41874327.58
1314531710	Semiconductor	U39	Telcordia Issue 1	Level I		1.00	0.015921	.1751	62811491.36
1314880010	Integrated Circuit	Q17,U61	Telcordia Issue 1	Level I		2.00	0.059366	1.3056	16844654.92
1315030110	Semiconductor	Q4,Q5	Telcordia Issue 1	Level I		2.00	0.000000	.0000	.00
1315230511	Semiconductor	Q23,Q25,Q26	Telcordia Issue 1	Level I		3.00	0.079603	2.6259	12562298.27
1315443710	Semiconductor	Q32	Telcordia Issue 1	Level II	33.60	1.00	0.000000	.0000	.00
1315495710	Integrated Circuit	Q21	Telcordia Issue 1	Level I		1.00	0.059366	.6528	16844654.92
1315700216	Semiconductor	Q20,Q22,Q24,Q27, Q28,Q29,Q30,Q31	Telcordia Issue 1	Level I		8.00	0.079603	7.0024	12562298.27
1315700217	Semiconductor	Q13	Telcordia Issue 1	Level I		1.00	0.079603	.8753	12562298.27
1315720010	Semiconductor	U33,U34	Telcordia Issue 1	Level I		2.00	0.015921	.3501	62811491.36
1315762010	Semiconductor	Q33	Telcordia Issue 1	Level I	33.60	1.00	0.000000	.0000	.00
14S2017400	Integrated Circuit	U32	Telcordia Issue 1	Level I	42.00	1.00	0.227945	2.5064	4387024.03
14S3121600	Integrated Circuit	U27	Telcordia Issue 1	Level I		1.00	0.032000	.3519	31250122.20
14S3433900	Integrated Circuit	U59	Telcordia Issue 1	Level I		1.00	0.026183	.2879	38193355.79
14S3816700	Integrated Circuit	U35	Telcordia Issue 1	Level I	39.20	1.00	0.200659	2.2064	4983574.03
14S3973100	Integrated Circuit	U19	Telcordia Issue 1	Level I		1.00	0.059366	.6528	16844654.92
14S4001000	Integrated Circuit	U12	Telcordia Issue 1	Level I	31.10	1.00	0.137080	1.5073	7295013.06
14S4100403	Integrated Circuit	U40	Telcordia Issue 1	Level I	30.60	1.00	0.133811	1.4714	7473233.57
1440N26000	Integrated Circuit	U1	Telcordia Issue 1	Level I	32.70	1.00	0.148015	1.6275	6756084.82
14S4258300	Integrated Circuit	U13	Telcordia Issue 1	Level I	39.80	1.00	0.206254	2.2679	4848398.83
14S4751100	Integrated Circuit	U22	Telcordia Issue 1	Level I	32.10	1.00	0.143828	1.5815	6952746.20
14S5A00702	Integrated Circuit	U16	Telcordia Issue 1	Level I		1.00	0.059366	.6528	16844654.92
14S5A00821	Integrated Circuit	U36,U37,U38	Telcordia Issue 1	Level I		3.00	0.026183	.8637	38193355.79
14S5A12503	Integrated Circuit	U17	Telcordia Issue 1	Level I		1.00	0.026183	.2879	38193355.79
14S5A12506	Integrated Circuit	U23,U58	Telcordia Issue 1	Level I		2.00	0.026183	.5758	38193355.79
14S6884602	Integrated Circuit	U10	Telcordia Issue 1	Level I	30.80	1.00	0.135110	1.4856	7401363.28

### AAEON Reliability Prediction Report

**Part Number** 9697nucv06-d  
**Reference Des**  
**Date** 11. 14, 2012  
**Environment** GF, GU - Ground Fixed, Uncontrolled  
**Temp. (°C)** 25.00



**Description** Top-level assembly  
**File Name** NanoCOM CVA.RPJ  
**Time** 16:03  
**Failure Rate** 9.094379  
**MTBF** 109,958

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
14S6884602	Integrated Circuit	U7	Telcordia Issue 1	Level I	34.60	1.00	0.161983	1.7811	6173495.98
1651900860	Integrated Circuit	U15	Telcordia Issue 1	Level I		1.00	0.059366	.6528	16844654.92
14S6884602	Integrated Circuit	U11,U4,U5,U6, U8,U9	Telcordia Issue 1	Level I		6.00	0.026183	1.7274	38193355.79
14S9781800	Integrated Circuit	U2	Telcordia Issue 1	Level I		1.00	0.059366	.6528	16844654.92
1540715081	Resistor	RP1,RP13,RP14,RP15, RP16,RP17,RP18, RP19,RP2,RP20,RP21, RP22,RP23,RP24, RP25,RP26,RP27, RP28,RP29,RP3,RP30, RP6,RP7,RP8	Telcordia Issue 1	Level I		24.00	0.012492	3.2966	80051386.00
1540736081	Resistor	RP10,RP11,RP12,RP4, RP5,RP9	Telcordia Issue 1	Level I		6.00	0.012492	.8242	80051386.00
1540782282	Resistor	RN1,RN2	Telcordia Issue 1	Level I		2.00	0.012492	.2747	80051386.00
16540M0001	Connection	CN3	Telcordia Issue 1	Level I		1.00	0.125173	1.3764	7988911.55
1655906121	Connection	CN2	Telcordia Issue 1	Level I		1.00	0.001138	.0125	878780270.71
1600000403	Connection	SW1	Telcordia Issue 1	Level I		1.00	0.028449	.3128	35151210.83
1315806510	Semiconductor	Q34	Telcordia Issue 1	Level I		1.00	0.015921	.1751	62811491.36
1315806210	Semiconductor	Q35	Telcordia Issue 1	Level I		1.00	0.023881	.2626	41874327.58
14S63CCV00	Integrated Circuit	U14	Telcordia Issue 1	Level I		1.00	0.035882	.3946	27868824.73
14S6308002	Integrated Circuit		Telcordia Issue 1	Level I		1.00	0.035882	.3946	27868824.73
14S3511801	Integrated Circuit	U60	Telcordia Issue 1	Level I	35.70	1.00	0.611539	6.7244	1635217.47
105A710009	Resistor	R736	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
105B700139	Resistor	R207,R306,R309	Telcordia Issue 1	Level I		3.00	0.002268	.0748	440974090.03
105B700009	Resistor	R214,R307,R308	Telcordia Issue 1	Level I		3.00	0.002268	.0748	440974090.03
1050530164	Resistor	R123,R124	Telcordia Issue 1	Level I		2.00	0.002268	.0499	440974090.03
1050536514	Resistor	R735	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
14S4081102	Integrated Circuit	U62	Telcordia Issue 1	Level I		1.00	0.026183	.2879	38193355.79
1050502004	Resistor	R229	Telcordia Issue 1	Level I		1.00	0.002268	.0249	440974090.03
14S82C6410	Integrated Circuit	U21	Telcordia Issue 1	Level I		1.00	0.026183	.2879	38193355.79