

VitallogikN270

Reliability Prediction Report (MTBF)

Summary	Failure Rate: 6709.344158 ppm MTBF: 149,046 Hours
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Issue date	Approval	Test Engineer
2014/05/27	Tom Lin	Jack Huang

Reliability Prediction (MTBF)

I . Model Name: VitallogikN270

II . Prediction Date: May. 27, 2014

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

IV . Predicted by: Jack Huang

V . Equipment: Windchill Quality Solutions 10.1

VI. Simulation Environment:

- Temperature: 30 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 Failure rate multiplier is 1000000000.
- MTBF : MTBF is always specified in hours.

VIII. Prediction Result:

VitallogikN270 (9697N27082-D-VKN):

- Failure Rate:6709.344158 ppm
- MTBF: 149.046 Hours

**AAEON Reliability Prediction
Summary**

File Name: VitallogikN270.rfp
Duty Cycle: 100
Calculation Model: Telcordia Issue 2
Method: Method I Case 3

Failure Rate: 6709.344158
MTBF (hrs): 149,046
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Assembly Name	Part Number	Ref Des	Quantity	Failure Rate	MTBF
VitallogikN270	9697N27082-D-VKN		1	6709.344158	149,046

File Name: VitallogikN270.rfp
Assembly: 9697N27082-D-VKN
Ref Des:
Description:

Failure Rate: 6709.344158
MTBF (hrs): 149,046
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1050500104	Resistor	R487,R488		2.547039	2	154078778.388085
1050502224	Resistor	R246		2.547039	1	282340674.079668
1050502734	Resistor	R464		2.547039	1	282340674.079668
1050504734	Resistor	R558		2.547039	1	282340674.079668
1050510034	Resistor	R500,R502,R540, R541		2.547039	4	82309758.689546
1050514034	Resistor	R382,R383,R384, R385		2.547039	4	82309758.689546
1050521524	Resistor	R527		2.547039	1	282340674.079668
1050524324	Resistor	R472		2.547039	1	282340674.079668
1050524904	Resistor	R175,R181,R39,R40, R61		2.547039	5	67008142.102588
1050547004	Resistor	R412,R413,R421, R423,R462		2.547039	5	67008142.102588
1050547034	Resistor	R555		2.547039	1	282340674.079668
1050549904	Resistor	R474		2.547039	1	282340674.079668
1050588724	Resistor	R517		2.547039	1	282340674.079668
1050700304	Resistor	R106,R108,R110, R112,R113,R114, R115,R116,R118, R120,R122,R123, R125,R127,R145, R146,R147,R148, R149,R150,R151, R152		2.547039	22	16518584.576317
1059520001	Resistor	R568		2.547039	1	282340674.079668
1059700001	Resistor	R294,R327,R509, R510,R535,R543, R586		2.547039	7	48991237.965885
1059710001	Resistor	R569		2.547039	1	282340674.079668
105A500139	Resistor	R14,R17,R24,R3, R514,R515,R560, R601		2.547039	8	43225424.698300
105A500239	Resistor	R15,R19,R25		2.547039	3	107020754.986850
105A501003	Resistor	R529		2.547039	1	282340674.079668

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105A501039	Resistor	R449,R450,R451, R452,R453,R454, R457,R458,R469, R473,R477,R499, R525,R526,R528, R557,R605,R606		2.547039	18	20032117.836120
105A501053	Resistor	R155		2.547039	1	282340674.079668
105A501233	Resistor	R506		2.547039	1	282340674.079668
105A501523	Resistor	R68		2.547039	1	282340674.079668
105A501533	Resistor	R519		2.547039	1	282340674.079668
105A501833	Resistor	R518		2.547039	1	282340674.079668
105A502039	Resistor	R516		2.547039	1	282340674.079668
105A502133	Resistor	R483		2.547039	1	282340674.079668
105A504733	Resistor	R520		2.547039	1	282340674.079668
105A506829	Resistor	R455,R456		2.547039	2	154078778.388085
105A507509	Resistor	R268,R269,R270, R359,R360,R361, R362		2.547039	7	48991237.965885
105A507533	Resistor	R480		2.547039	1	282340674.079668
105A510009	Resistor	R221,R236,R33,R34, R35,R42,R44,R575, R70		2.547039	9	38754445.632391
105A513033	Resistor	R471		2.547039	1	282340674.079668
105A514014	Resistor	R600		2.547039	1	282340674.079668
105A515009	Resistor	R271,R272,R273,R56, R58,R60		2.547039	6	56573956.677649
105A515423	Resistor	R521		2.547039	1	282340674.079668
105A520003	Resistor	R36		2.547039	1	282340674.079668
105A522103	Resistor	R41,R43		2.547039	2	154078778.388085
105A522663	Resistor	R190		2.547039	1	282340674.079668
105A525503	Resistor	R67		2.547039	1	282340674.079668
105A527463	Resistor	R10,R6		2.547039	2	154078778.388085
105A542223	Resistor	R604		2.547039	1	282340674.079668
105A543223	Resistor	R485		2.547039	1	282340674.079668
105A549903	Resistor	R242		2.547039	1	282340674.079668
105A549919	Resistor	R295,R296,R300, R328,R330,R333		2.547039	6	56573956.677649
105A554923	Resistor	R505		2.547039	1	282340674.079668

File Name: VitallogikN270.rfp
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Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
105A554969	Resistor	R11,R37,R38 ,R8		2.547039	4	82309758.689546
105A580663	Resistor	R71,R72		2.547039	2	154078778.388085
105A700003	Resistor	R275,R32,R4 86,R501, R522,R536,R 590		2.547039	7	48991237.965885
105A700009	Resistor	R133,R166,R 168, R176,R178,R 213, R220,R223,R 224, R225,R254,R 265, R266,R290,R 298, R307,R308,R 312, R323,R332,R 340, R341,R345,R 346, R347,R348,R 358, R368,R394,R 402, R416,R437,R 438,R45, R468,R475,R 476, R481,R482,R 484, R490,R493,R 496, R503,R531,R 532, R534,R537,R		2.547039	55	6793153.636065
105A700103	Resistor	R238		2.547039	1	282340674.079668

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105A700139	Resistor	R169,R193,R198, R200,R234,R26, R260,R262,R264, R27,R28, R288,R293,R30, R301,R305,R306, R309, R315,R326,R334, R338,R339,R342, R351,R371,R378, R408,R409,R420, R470,R562,R576, R579,R594		2.547039	35	10545622.718268
105A701003	Resistor	R401		2.547039	1	282340674.079668
105A701009	Resistor	R237,R498,R74		2.547039	3	107020754.986850

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105A701039	Resistor	R153,R154,R156, R157,R187,R188, R189,R203,R205, R206,R207,R208, R209,R210,R211, R212,R222,R226, R247,R248,R252, R253,R274,R291, R292,R299,R303, R311,R314,R320, R322,R331,R337, R344,R350,R355, R357,R366,R369, R370,R390,R391, R395,R396,R397, R398,R399,R403,		2.547039	65	5770418.053828
105A701059	Resistor	R281		2.547039	1	282340674.079668
105A701069	Resistor	R161,R243,R400		2.547039	3	107020754.986850
105A702033	Resistor	R167		2.547039	1	282340674.079668
105A702039	Resistor	R530		2.547039	1	282340674.079668

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105A702209	Resistor	R101,R131,R132, R134,R135,R138, R139,R140,R142, R244,R245,R5,R608, R611,R612,R613, R614,R75,R76,R77, R78,R79,R80,R81, R84,R85,R87,R89, R91,R93,R95,R98		2.547039	32	11502702.879433
105A702229	Resistor	R433,R440,R46,R50, R63		2.547039	5	67008142.102588
105A703309	Resistor	R185,R186,R239, R240,R241,R249, R279,R280,R297, R329,R367,R436, R439,R559,R582		2.547039	15	23852782.943395
105A703363	Resistor	R513		2.547039	1	282340674.079668
105A703909	Resistor	R65,R66		2.547039	2	154078778.388085
105A704729	Resistor	R180,R286,R386, R387,R388,R389, R407,R410,R411, R414,R418,R419, R422,R435,R459, R460,R461,R463, R479,R581,R589		2.547039	21	17274945.076062
105A705139	Resistor	R425,R426,R427, R428,R429,R430, R431,R432		2.547039	8	43225424.698300

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105A705609	Resistor	R1,R100,R102,R103,R104,R105,R107,R109,R111,R117,R119,R121,R124,R126,R128,R129,R130,R136,R137,R141,R143,R16,R160,R163,R165,R173,R18,R20,R22,R23,R258,R86,R88,R90,R92,R94,R97		2.547039	37	9991988.939157
105A706809	Resistor	R4		2.547039	1	282340674.079668
105A708229	Resistor	R182,R183,R184,R194,R195,R199,R201,R202,R204,R217,R218,R219,R229,R230,R232,R233,R287		2.547039	17	21160422.299251
105A710039	Resistor	R196,R277,R278,R282,R284,R55,R556,R563,R566,R57,R580,R59		2.547039	12	29507083.749401
105A720009	Resistor	R82,R83,R96,R99		2.547039	4	82309758.689546
105A722009	Resistor	R317,R324,R325		2.547039	3	107020754.986850
105A733009	Resistor	R2,R363,R365,R570,R571,R572,R573		2.547039	7	48991237.965885
105A733033	Resistor	R158		2.547039	1	282340674.079668
105A747039	Resistor	R578		2.547039	1	282340674.079668
106B501032	Resistor	RT1,RT2,RT3		2.547039	3	107020754.986850
106B510030	Resistor	RT4		2.547039	1	282340674.079668

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106B715034	Resistor	RT5		2.547039	1	282340674.079668
1075502570	Resistor	R585,R617,R618		2.547039	3	107020754.986850
1121501690	Capacitor	C1,C104,C105,C106,C107,C108,C109,C110,C111,C112,C113,C114,C115,C117,C118,C119,C120,C121,C122,C123,C124,C125,C126,C127,C128,C131,C132,C133,C134,C137,C140,C18,C2,C385,C386,C387,C388,C390,C391,C392,C393,C4,C400,C401,C402,C403,C404,C405,C406,C4		1.128806	69	12464035.316736
1121501691	Capacitor	C458,C459,C537		1.128806	3	257514172.353070
1121701790	Capacitor	C491		1.128806	1	704977644.692287
1124410190	Capacitor	C429		1.128806	1	704977644.692287
1124410191	Capacitor	C442,C443,C553,C554,C559,C562		1.128806	6	133979725.056342
1124418090	Capacitor	C138,C139		1.128806	2	375289731.076049
1124427090	Capacitor	C202,C206,C215,C216,C220,C221,C238,C245,C286,C288		1.128806	10	82101057.548118
1124433690	Capacitor	C135,C136		1.128806	2	375289731.076049

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1124547190	Capacitor	C279,C280,C283, C284,C515,C516, C518,C519,C520, C521,C522,C523, C524,C526,C527, C528		1.128806	16	52112480.802928
1124547280	Capacitor	C440		1.128806	1	704977644.692287
1129522790	Capacitor	C214,C218,C219, C448		1.128806	4	196873384.410843
1129610051	Capacitor	C175,C191,C198, C224,C225,C228, C232,C240,C250, C261,C263,C271, C295,C298,C309, C311,C319,C335, C336,C341,C365, C376,C383,C411		1.128806	24	35120617.936543
1129610260	Capacitor	C333		1.128806	1	704977644.692287
1129701791	Capacitor	C475,C476		1.128806	2	375289731.076049
1129710090	Capacitor	C211,C212,C213, C525		1.128806	4	196873384.410843
1129710390	Capacitor	C222,C330,C331, C452		1.128806	4	196873384.410843
1129710391	Capacitor	C539,C540,C543, C544,C555,C556, C560,C561		1.128806	8	101746760.035398
1129722091	Capacitor	C208,C209,C210, C426,C428,C467		1.128806	6	133979725.056342
1174522180	Capacitor	CP1,CP2,CP3,CP4, CP5,CP6,CP7,CP8		1.128806	8	101746760.035398
1189615154	Capacitor	C229,C233		4.744484	2	86049450.747498
1189622154	Capacitor	C533,C534		4.744484	2	86049450.747498

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1189622850	Capacitor	C49,C52,C65,C66		4.744484	4	45505862.704531
1189633184	Capacitor	C80		4.744484	1	159663026.715137
1189647180	Capacitor	C73,C77		4.744484	2	86049450.747498
1189656194	Capacitor	C497,C500,C507,C510,C532		4.744484	5	36944177.000623
1189682197	Capacitor	C437,C438,C490		4.744484	3	59399119.141203
1189922181	Capacitor	C152,C158		4.744484	2	86049450.747498
11A4410194	Capacitor	C412,C413,C414,C415		1.128806	4	196873384.410843
11C1510060	Capacitor	C332		1.128806	1	704977644.692287
11C1510390	Capacitor	C176,C188,C255,C274,C277,C285,C302,C322,C98		1.128806	9	90863428.080946
11C1522390	Capacitor	C371,C372,C374,C375,C431		1.128806	5	159367490.199266
11C2410390	Capacitor	C441		1.128806	1	704977644.692287
11C2501790	Capacitor	C471,C472		1.128806	2	375289731.076049
11C2522660	Capacitor	C552		1.128806	1	704977644.692287
11C4547290	Capacitor	C473,C474		1.128806	2	375289731.076049
11C9510050	Capacitor	C557,C558,C563		1.128806	3	257514172.353070

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11C9510490	Capacitor	C143,C144,C145, C146,C148,C150, C151,C153,C155, C156,C157,C159, C160,C161,C163, C164,C165,C166, C167,C168,C169, C170,C171,C172, C173,C174,C177, C178,C179,C180, C181,C183,C184, C186,C187,C189, C190,C192,C193, C194,C195,C196, C197,C199,C200, C201,C203,C204,		1.128806	175	4968382.207072
11C9522060	Capacitor	C477,C478,C481		1.128806	3	257514172.353070
11E1522060	Capacitor	C427		1.128806	1	704977644.692287
11E1522650	Capacitor	C530		1.128806	1	704977644.692287
11E2501080	Capacitor	C447		1.128806	1	704977644.692287
11E2501690	Capacitor	C486		1.128806	1	704977644.692287
11E4522880	Capacitor	C91		1.128806	1	704977644.692287
11E9501080	Capacitor	C444,C446		1.128806	2	375289731.076049
11E9501090	Capacitor	C142,C149,C154, C185,C236,C237, C381,C536,C58,C59, C67,C68,C71,C72, C76		1.128806	15	55479656.844874

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11E9501091	Capacitor	C11,C12,C13 ,C14, C15,C16,C17 ,C19, C21,C22,C23 ,C24, C25,C26,C27 ,C28,C3, C367,C369,C 436, C457,C480,C 482, C492,C7,C8		1.128806	26	32480878.530766
11E9510050	Capacitor	C10,C141,C2 9,C30, C31,C32,C33 ,C34, C35,C36,C37 ,C38, C39,C40,C44 5,C453, C456,C462,C 465,C47, C485,C489,C 506, C509,C51,C5 3,C538, C541,C547,C 57,C60, C69,C70,C85 ,C86,C9, C90,C93,C94		1.128806	39	21841170.168719
11E9510051	Capacitor	C450,C495		1.128806	2	375289731.076049
11E9522490	Capacitor	C496		1.128806	1	704977644.692287
11E9522680	Capacitor	C100,C101,C 102, C103,C129		1.128806	5	159367490.199266
11E9547490	Capacitor	C75,C79,C96 ,C97		1.128806	4	196873384.410843
11E9547680	Capacitor	C430,C435		1.128806	2	375289731.076049
11E9547682	Capacitor	C162,C249,C 272, C290,C320,C 460, C514		1.128806	7	115633865.771428
11E9622050	Capacitor	C244,C247,C 275, C293,C296,C 323		1.128806	6	133979725.056342
11E9622060	Capacitor	C433,C434		1.128806	2	375289731.076049

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11E9647680	Capacitor	C116,C45,C469,C470,C50,C63,C64,C81,C82,C84		1.128806	10	82101057.548118
11E9647690	Capacitor	C483,C493		1.128806	2	375289731.076049
1211100102	Inductor	L1,L4		4.944252	2	83201062.149749
1211100113	Inductor	L2,L3		4.944252	2	83201062.149749
121110226X	Inductor	L5		4.944252	1	154760964.143460
1211133075	Inductor	L6,L7,L8,L9		4.944252	4	43912872.424775
1212306030	Inductor	FB12,FB13,FB15,FB16,FB18,FB19,FB20,FB21,FB22,FB23,FB26,FB27,FB28,FB29,FB47,FB6,FB7,FB8		4.944252	18	10499568.783631
121230603S	Inductor	FB14,FB17		4.944252	2	83201062.149749
1212308054	Inductor	FB1		4.944252	1	154760964.143460
12123B0006	Inductor	FB5		4.944252	1	154760964.143460
12123C0003	Inductor	FB40,FB43,FB44,FB45,FB46		4.944252	5	35631881.582999
12123C0007	Inductor	FB2		4.944252	1	154760964.143460
12123C0029	Inductor	FB10,FB11,FB3,FB4,FB9		4.944252	5	35631881.582999
1214309006	Inductor	CH1,CH2,CH3		4.944252	3	57363284.375370
123131435J	Miscellaneous	Y2		19.200000	1	23844262.770939
1231324551	Miscellaneous	Y5		19.200000	1	23844262.770939
123132505D	Miscellaneous	Y3,Y4		19.200000	2	8854051.752197
1231332721	Miscellaneous	Y1		19.200000	1	23844262.770939
1301001443	Semiconductor	D9		7.793411	1	92807310.010983
1301005440	Semiconductor	D21,D24,D7,D8		7.793411	4	26989084.126235
1301005442	Semiconductor	D25,D26		7.793411	2	50578095.223398
1301005444	Semiconductor	D2,D20,D3		7.793411	3	35106858.962001
1301053040	Semiconductor	D1		7.793411	1	92807310.010983
1301400642	Semiconductor	D23		7.793411	1	92807310.010983
1304101540	Optical Device	LED1		79.003355	1	6497172.749112
1304500240	Optical Device	LED2		79.003355	1	6497172.749112
1305000140	Semiconductor	D12,D13,D14,D15,D16,D17		7.793411	6	18540453.699406
1305080040	Semiconductor	D10		7.793411	1	92807310.010983

File Name: VitallogikN270.rfp
Assembly: 9697N27082-D-VKN
Ref Des:
Description:

Failure Rate: 6709.344158
MTBF (hrs): 149,046
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1305099140	Semiconductor	D5,D6		7.793411	2	50578095.223398
1310390410	Semiconductor	Q16,Q20,Q49,Q50		22.463360	4	9270607.712006
1311071710	Semiconductor	Q30		22.463360	1	31642600.748419
1311138610	Semiconductor	Q10,Q11,Q12,Q9		22.463360	4	9270607.712006
1311390610	Semiconductor	Q13,Q17		22.463360	2	17315095.066101
1311390612	Semiconductor	Q1		22.463360	1	31642600.748419
1314010410	Semiconductor	U37		22.463360	1	31642600.748419
1314123110	Semiconductor	U58		22.463360	1	31642600.748419
1315230511	Semiconductor	Q5		22.463360	1	31642600.748419
1315700211	Semiconductor	Q14,Q15,Q18,Q19,Q2,Q21,Q22,Q23,Q24,Q25,Q26,Q27,Q28,Q29,Q3,Q31,Q4,Q47,Q48,Q51,Q6		22.463360	21	1952685.860459
1315700216	Semiconductor	Q32,Q44,Q46		22.463360	3	12043329.789539
1315831310	Semiconductor	Q33,Q34,Q35,Q36,Q37		22.463360	5	7551839.591592
1315970211	Semiconductor	U14,U15		22.463360	2	17315095.066101
1463AT24C1	Integrated Circuit	U8		11.063278	1	58231413.220643
14S1230400	Integrated Circuit	U21		43.803003	1	11739202.588727
14S3003700	Integrated Circuit	TF1		43.803003	1	11739202.588727
14S3020901	Integrated Circuit	U51		43.803003	1	11739202.588727
14S3050100	Integrated Circuit	U12		43.803003	1	11739202.588727
14S3065500	Integrated Circuit	U57		43.803003	1	11739202.588727
14S3112400	Integrated Circuit	U36		43.803003	1	11739202.588727
14S3121600	Integrated Circuit	U38		43.803003	1	11739202.588727
14S3121700	Integrated Circuit	U35		43.803003	1	11739202.588727
14S3128422	Integrated Circuit	D19		43.803003	1	11739202.588727
14S3161001	Integrated Circuit	U34		43.803003	1	11739202.588727
14S4021301	Integrated Circuit	U23,U24,U30,U31		43.803003	4	3879156.910661
14S4048502	Integrated Circuit	U25,U28		43.803003	2	6834791.244197
14S4081110	Integrated Circuit	U42		43.803003	1	11739202.588727
14S4160020	Integrated Circuit	U52		21.706765	1	23689035.791249
14S428010D	Integrated Circuit	U9		43.803003	1	11739202.588727
14S4294503	Integrated Circuit	U3		43.803003	1	11739202.588727
14S4519500	Integrated Circuit	U43		43.803003	1	11739202.588727
14S4825740	Integrated Circuit	U16,U18		43.803003	2	6834791.244197
14S4878100	Integrated Circuit	U22		43.803003	1	11739202.588727
14S5912300	Integrated Circuit	U46		26.018600	1	25551442.237972
14S5A00601	Integrated Circuit	U27		26.018600	1	25551442.237972

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Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
14S5A00703	Integrated Circuit	U13		26.018600	1	25551442.237972
14S5A00704	Integrated Circuit	U54		26.018600	1	25551442.237972
14S5A00821	Integrated Circuit	U10,U56		26.018600	2	14194252.866846
14S5A12503	Integrated Circuit	U26		26.018600	1	25551442.237972
14S5A12506	Integrated Circuit	U29		26.018600	1	25551442.237972
14S6216060	Integrated Circuit	CN15A		43.803003	1	11739202.588727
14S6308002	Integrated Circuit	U17,U19		11.063278	2	32567094.099626
14S6897101	Integrated Circuit	U47,U48,U49,U50		43.803003	4	3879156.910661
14S9811500	Integrated Circuit	U45		26.018600	1	25551442.237972
14S9951500	Integrated Circuit	U11		43.803003	1	11739202.588727
1540722085	Resistor	RP1,RP10,RP11,RP12,RP13,RP14,RP15,RP16,RP2,RP3,RP4,RP5,RP6,RP7,RP8,RP9		9.971436	16	5088525.759016
1540733085	Resistor	RP22,RP23,RP24,RP25		9.971436	4	17049357.262242
1540782282	Resistor	RP17,RP18,RP19,RP20,RP21,RP27		9.971436	6	12090001.526571
1651900860	Connection	CN15		16.184835	1	35685591.360212
165250520C	Connection	CN1		16.184835	1	35685591.360212
1652508204	Connection	CN8		16.184835	1	35685591.360212
1652814202	Connection	CN7		16.184835	1	35685591.360212
1653002100	Connection	CN26,CN27		16.184835	2	20390152.380746
165300310G	Connection	CN23,CN24,CN28		16.184835	3	14515880.849373
1653004200	Connection	CN21,CN22		16.184835	2	20390152.380746
165300420Q	Connection	CN29		16.184835	1	35685591.360212
165300520X	Connection	CN5		16.184835	1	35685591.360212
165320520T	Connection	CN10,CN11,CN12,CN9		16.184835	4	11344857.509064
165321320N	Connection	CN6		16.184835	1	35685591.360212
1653300104	Connection	CN22(5-7)		16.184835	1	35685591.360212
1653300107	Connection	CN24(2-3),CN28(2-3)		16.184835	2	20390152.380746
1653300108	Connection	CN23(1-2)		16.184835	1	35685591.360212
1653900039	Connection	CN19A		16.184835	1	35685591.360212
165392521J	Connection	CN19		16.184835	1	35685591.360212
1654030006	Connection	CN13		16.184835	1	35685591.360212
1654262300	Connection	CN20		16.184835	1	35685591.360212
1654515308	Connection	CN14		16.184835	1	35685591.360212
1654606100	Connection	CN3		16.184835	1	35685591.360212

**Reliability Prediction
Summary**

File Name: VitallogikN270.rfp
Assembly: 9697N27082-D-VKN
Ref Des:
Description:

Failure Rate: 6709.344158
MTBF (hrs): 149,046
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1654804100	Connection	CN4		16.184835	1	35685591.360212
1655003016	Connection	CN18		16.184835	1	35685591.360212
1655004011	Connection	CN17		16.184835	1	35685591.360212
1655004020	Connection	CN2		16.184835	1	35685591.360212
175011901H	Miscellaneous	CN16A		306.000000	1	1681683.006787
175022032A	Connection	CN16		16.184835	1	35685591.360212
1752001603	Miscellaneous	FS1,FS2,FS3, FS4		2.400000	4	79281882.025954