

GENE-SKU6

Reliability Prediction Report (MTBF)

Summary	Failure Rate: 8130.001693 ppm MTBF: 123,001 Hours
---------	--

Issue date

QE Manager

Test Engineer

2016/09/02

KJ Wang

Jack Huang

Reliability Prediction (MTBF)

I . Model Name: GENE-SKU6

II . Prediction Date: Sep. 02, 2016

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:

GENE-SKU6(9697SKU607-D):

- Failure Rate:8130.001693 ppm

- MTBF: 123.001 Hours

**AAEON Reliability Prediction
Summary**

File Name: GENE-SKU6.rfp
Duty Cycle: 100
Calculation Model: Telcordia Issue 2
Method: Method I Case 3

Failure Rate: 8130.001693
MTBF (hrs): 123,001
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Assembly Name	Part Number	Ref Des	Quantity	Failure Rate	MTBF
GENE-SKU6	9697SKU607-D		1	8130.001693	123,001

File Name: GENE-SKU6.rfp
Assembly: 9697SKU607-D
Ref Des:
Description:

Failure Rate: 8130.001693
MTBF (hrs): 123,001
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1050500104	Resistor	R559		2.547039	1	282340674.079668
1050501004	Resistor	R659,R689		2.547039	2	154078778.388085
1050502204	Resistor	R28,R29,R37 ,R41, R42,R43		2.547039	6	56573956.677649
1050502224	Resistor	R274,R275,R 632		2.547039	3	107020754.986850
1050502724	Resistor	R97		2.547039	1	282340674.079668
1050502734	Resistor	R786,R801		2.547039	2	154078778.388085
1050503324	Resistor	R128		2.547039	1	282340674.079668
1050503934	Resistor	R463		2.547039	1	282340674.079668
1050504724	Resistor	R520,R673		2.547039	2	154078778.388085
1050504734	Resistor	R594		2.547039	1	282340674.079668
1050505124	Resistor	R398		2.547039	1	282340674.079668
1050505134	Resistor	R623		2.547039	1	282340674.079668
1050505604	Resistor	R135		2.547039	1	282340674.079668
1050507524	Resistor	R533,R637,R 662		2.547039	3	107020754.986850
1050508224	Resistor	R124,R31		2.547039	2	154078778.388085
1050510034	Resistor	R129,R195,R 255, R281,R283,R 600, R654,R676		2.547039	8	43225424.698300
1050512104	Resistor	R8		2.547039	1	282340674.079668
1050512424	Resistor	R224,R660		2.547039	2	154078778.388085
1050514044	Resistor	R636,R661		2.547039	2	154078778.388085
1050516004	Resistor	R342,R343,R 388, R389		2.547039	4	82309758.689546
1050518734	Resistor	R664		2.547039	1	282340674.079668
1050520004	Resistor	R109,R74		2.547039	2	154078778.388085
1050520034	Resistor	R539,R608		2.547039	2	154078778.388085
1050521524	Resistor	R653,R679,R 680		2.547039	3	107020754.986850
1050522004	Resistor	R138		2.547039	1	282340674.079668
1050523224	Resistor	R643		2.547039	1	282340674.079668
1050524004	Resistor	R196,R197,R 198, R199,R200,R 201, R202,R203,R 204, R205,R206		2.547039	11	32049696.385471
1050524904	Resistor	R214,R5		2.547039	2	154078778.388085
1050525524	Resistor	R614		2.547039	1	282340674.079668
1050526124	Resistor	R652,R789		2.547039	2	154078778.388085
1050533034	Resistor	R127		2.547039	1	282340674.079668
1050536514	Resistor	R798		2.547039	1	282340674.079668

File Name: GENE-SKU6.rfp
Assembly: 9697SKU607-D
Ref Des:
Description:

Failure Rate: 8130.001693
MTBF (hrs): 123,001
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1050538314	Resistor	R687		2.547039	1	282340674.079668
1050545364	Resistor	R648		2.547039	1	282340674.079668
1050547004	Resistor	R9		2.547039	1	282340674.079668
1050549904	Resistor	R15,R21,R40		2.547039	3	107020754.986850
1050549924	Resistor	R601		2.547039	1	282340674.079668
1050549964	Resistor	R192,R35,R47,R48,R49,R50,R655		2.547039	7	48991237.965885
1050551004	Resistor	R631		2.547039	1	282340674.079668
1050551034	Resistor	R681		2.547039	1	282340674.079668
1050560424	Resistor	R644,R686,R690		2.547039	3	107020754.986850
1050560464	Resistor	R115,R38		2.547039	2	154078778.388085
1050561934	Resistor	R562		2.547039	1	282340674.079668
1050564924	Resistor	R557,R626		2.547039	2	154078778.388085
1050568124	Resistor	R552		2.547039	1	282340674.079668
1050580664	Resistor	R7		2.547039	1	282340674.079668
1050584524	Resistor	R784		2.547039	1	282340674.079668
1050586624	Resistor	R685		2.547039	1	282340674.079668
1050593114	Resistor	R610		2.547039	1	282340674.079668
1050701504	Resistor	R11,R14,R18		2.547039	3	107020754.986850
1050703334	Resistor	R337,R383		2.547039	2	154078778.388085
1050704304	Resistor	R36		2.547039	1	282340674.079668
1052500171	Resistor	R707		2.547039	1	282340674.079668
1053500489	Resistor	R546		2.547039	1	282340674.079668
1054600289	Resistor	R537		2.547039	1	282340674.079668
1059700001	Resistor	R548		2.547039	1	282340674.079668
1059701001	Resistor	R538		2.547039	1	282340674.079668
105A500139	Resistor	R103,R45,R514,R525,R640,R656,R663,R665,R667,R669		2.547039	10	35079934.879747
105A500239	Resistor	R519		2.547039	1	282340674.079668
105A501033	Resistor	R563		2.547039	1	282340674.079668
105A501039	Resistor	R256,R276,R295,R296,R399,R44,R535,R620,R645,R91		2.547039	10	35079934.879747
105A501523	Resistor	R773		2.547039	1	282340674.079668
105A501529	Resistor	R629,R671,R747		2.547039	3	107020754.986850
105A501539	Resistor	R778,R779		2.547039	2	154078778.388085

File Name: GENE-SKU6.rfp
 Assembly: 9697SKU607-D
 Ref Des:
 Description:

Failure Rate: 8130.001693
 MTBF (hrs): 123,001
 Temperature: 30
 Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
105A502039	Resistor	R101,R104,R125, R397,R400,R512, R513,R612,R615, R646		2.547039	10	35079934.879747
105A503039	Resistor	R627,R777		2.547039	2	154078778.388085
105A505109	Resistor	R51,R54,R57, ,R60, R657		2.547039	5	67008142.102588
105A507533	Resistor	R561		2.547039	1	282340674.079668
105A510009	Resistor	R108,R133,R149, R150,R541,R542, R549,R550,R551, R553,R6,R628,R634, R635,R642,R650, R668,R677,R80		2.547039	19	19019185.781770
105A510733	Resistor	R532		2.547039	1	282340674.079668
105A512003	Resistor	R772		2.547039	1	282340674.079668
105A512123	Resistor	R554		2.547039	1	282340674.079668
105A512403	Resistor	R77		2.547039	1	282340674.079668
105A518214	Resistor	R207,R211		2.547039	2	154078778.388085
105A520523	Resistor	R621		2.547039	1	282340674.079668
105A522623	Resistor	R682		2.547039	1	282340674.079668
105A533003	Resistor	R771		2.547039	1	282340674.079668
105A547529	Resistor	R774,R775		2.547039	2	154078778.388085
105A549919	Resistor	R335,R381		2.547039	2	154078778.388085
105A561924	Resistor	R666		2.547039	1	282340674.079668
105A700003	Resistor	R421,R567,R611		2.547039	3	107020754.986850

File Name: GENE-SKU6.rfp
Assembly: 9697SKU607-D
Ref Des:
Description:

Failure Rate: 8130.001693
MTBF (hrs): 123,001
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
105A700009	Resistor	R10,R17,R193,R194,R219,R220,R222,R225,R228,R236,R252,R282,R298,R300,R301,R302,R303,R304,R344,R346,R347,R348,R349,R350,R392,R393,R402,R409,R412,R416,R417,R419,R422,R423,R424,R433,R434,R435,R474,R477,R499,R536,R543,R556,R566,R602,R605,R606,R6		2.547039	85	4437551.553296
105A700139	Resistor	R187,R410,R46,R52,R558,R580,R582,R584,R585,R591,R597,R599,R736, R788		2.547039	14	25477245.255648
105A700203	Resistor	R210		2.547039	1	282340674.079668
105A701009	Resistor	R250,R544		2.547039	2	154078778.388085

File Name: GENE-SKU6.rfp
Assembly: 9697SKU607-D
Ref Des:
Description:

Failure Rate: 8130.001693
MTBF (hrs): 123,001
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
105A701039	Resistor	R175,R176,R177,R27,R305,R307,R309,R315,R316,R317,R318,R319,R32,R320,R325,R327,R329,R330,R331,R333,R334,R351,R353,R355,R361,R362,R363,R364,R365,R366,R371,R373,R375,R376,R377,R379,R380,R390,R391,R404,R405,R406,R407,R408,R413,R436,R437,R440,R4		2.547039	88	4289167.908760
105A701059	Resistor	R106,R254,R411,R418,R583		2.547039	5	67008142.102588
105A701069	Resistor	R98		2.547039	1	282340674.079668
105A702229	Resistor	R217,R218,R297,R395,R396		2.547039	5	67008142.102588
105A702269	Resistor	R670,R675,R678,R684,R692,R696,R699,R780,R782		2.547039	9	38754445.632391
105A703309	Resistor	R401,R414,R596,R598		2.547039	4	82309758.689546

File Name: GENE-SKU6.rfp
Assembly: 9697SKU607-D
Ref Des:
Description:

Failure Rate: 8130.001693
MTBF (hrs): 123,001
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
105A703329	Resistor	R313,R314,R321, R322,R323,R324, R336,R359,R360, R367,R368,R369, R370,R382		2.547039	14	25477245.255648
105A704729	Resistor	R429,R430,R431, R432,R438,R455, R456,R457,R458, R459,R460,R461, R462,R465,R466, R468,R794,R800		2.547039	18	20032117.836120
105A705139	Resistor	R473,R475,R476, R478,R479,R480, R481,R482		2.547039	8	43225424.698300
105A708229	Resistor	R528,R529		2.547039	2	154078778.388085

File Name: GENE-SKU6.rfp
Assembly: 9697SKU607-D
Ref Des:
Description:

Failure Rate: 8130.001693
MTBF (hrs): 123,001
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
105A710039	Resistor	R229,R244,R246, R453,R483,R484, R485,R486,R487, R488,R489,R490, R491,R492,R493, R494,R495,R496, R497,R498,R534, R555,R565,R569, R571,R572,R573, R574,R575,R576, R579,R581,R586, R588,R590,R593, R595,R613,R616, R622,R625,R723, R738,R781,R783, R785,R787		2.547039	47	7918121.839508
105A733009	Resistor	R340,R386,R403, R577,R587,R589, R745,R746		2.547039	8	43225424.698300
105A747009	Resistor	R420,R426,R703, R709,R711,R716, R718,R722,R731, R737,R739		2.547039	11	32049696.385471

File Name: GENE-SKU6.rfp
Assembly: 9697SKU607-D
Ref Des:
Description:

Failure Rate: 8130.001693
MTBF (hrs): 123,001
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
105B700009	Resistor	R105,R107,R110, R111,R112,R114, R116,R117,R119, R120,R132,R136, R137,R30,R526,R530, R592,R705,R708, R715,R717,R721, R727,R729,R730, R732,R733,R76,R95		2.547039	29	12652760.276502
105B700139	Resistor	R12,R13,R25,R26, R33,R34,R64,R65, R66,R67,R68,R78, R79		2.547039	13	27342571.921361
105B701039	Resistor	R100,R121,R122, R123,R126,R81,R82, R83,R84,R85,R86, R87,R88,R89,R90, R93,R96,R99		2.547039	18	20032117.836120
105B702225	Resistor	R1,R2,R3,R4		2.547039	4	82309758.689546
105B703309	Resistor	R69,R71,R72,R73		2.547039	4	82309758.689546
106B510034	Resistor	RT1,RT2,RT4,RT5		2.547039	4	82309758.689546
106BA22034	Resistor	RT3		2.547039	1	282340674.079668

File Name: GENE-SKU6.rfp
Assembly: 9697SKU607-D
Ref Des:
Description:

Failure Rate: 8130.001693
MTBF (hrs): 123,001
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1121501690	Capacitor	C1,C156,C177,C179,C185,C186,C187,C188,C189,C190,C191,C192,C193,C194,C195,C223,C224,C225,C228,C229,C230,C231,C232,C233,C234,C236,C245,C248,C250,C251,C252,C254,C256,C258,C260,C262,C263,C266,C267,C270,C271,C280,C281,C282,C283,C284,C285,C286,C2		1.128806	153	5675478.779330
1122522890	Capacitor	C178		1.128806	1	704977644.692287
1124418090	Capacitor	C2,C3		1.128806	2	375289731.076049
1124427090	Capacitor	C301,C302,C330,C331		1.128806	4	196873384.410843
1124433190	Capacitor	C466,C591		1.128806	2	375289731.076049
1124468090	Capacitor	C482		1.128806	1	704977644.692287
1124522290	Capacitor	C449,C451,C497,C562,C570,C588		1.128806	6	133979725.056342
1124547190	Capacitor	C303,C304,C305,C332,C333,C334,C367,C368,C369,C590		1.128806	10	82101057.548118

File Name: GENE-SKU6.rfp
Assembly: 9697SKU607-D
Ref Des:
Description:

Failure Rate: 8130.001693
MTBF (hrs): 123,001
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1124547290	Capacitor	C567,C568,C571, C572,C576,C603, C611,C615		1.128806	8	101746760.035398
1129522790	Capacitor	C355,C356,C464, C472		1.128806	4	196873384.410843
1129610051	Capacitor	C491		1.128806	1	704977644.692287
1129610080	Capacitor	C155,C159,C169, C170,C171,C172, C173,C174,C175, C176,C288,C289, C292,C298,C299, C310,C319,C321, C327,C328,C339, C343,C348,C352, C387,C399,C532, C540,C547,C551, C554,C560,C623, C651		1.128806	34	24984844.161172
1129622690	Capacitor	C157,C257		1.128806	2	375289731.076049
1129701790	Capacitor	C10,C253,C259,C357, C358,C359,C361, C463,C465,C494, C550,C575		1.128806	12	68856937.301178
1129710091	Capacitor	C389,C662		1.128806	2	375289731.076049
1129710390	Capacitor	C247,C404,C405, C406,C407,C410, C563,C564,C569, C584,C587		1.128806	11	74892583.279796
1129715090	Capacitor	C566,C578,C580		1.128806	3	257514172.353070
1129722091	Capacitor	C642,C643,C7,C8		1.128806	4	196873384.410843
1181633190	Capacitor	C667		4.744484	1	159663026.715137

File Name: GENE-SKU6.rfp
Assembly: 9697SKU607-D
Ref Des:
Description:

Failure Rate: 8130.001693
MTBF (hrs): 123,001
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1189610153	Capacitor	C536,C556,C627		4.744484	3	59399119.141203
1189615154	Capacitor	TC1,TC2,TC3		4.744484	3	59399119.141203
1189633151	Capacitor	C548		4.744484	1	159663026.715137
118A6221B0	Capacitor	C492		4.744484	1	159663026.715137
118C6331B0	Capacitor	C533,C601,C602,C609,C610,C614,C628		4.744484	7	26949727.707925
11A4410194	Capacitor	C384,C385,C392,C393,C396,C397		1.128806	6	133979725.056342
11A4418280	Capacitor	C573		1.128806	1	704977644.692287
11C1539840	Capacitor	C300,C329		1.128806	2	375289731.076049
11C1547890	Capacitor	C565,C574,C581		1.128806	3	257514172.353070
11C2510480	Capacitor	C528		1.128806	1	704977644.692287
11C4401880	Capacitor	C582		1.128806	1	704977644.692287
11C4501790	Capacitor	C585		1.128806	1	704977644.692287
11C5501530	Capacitor	C458,C467,C471		1.128806	3	257514172.353070
11E1501040	Capacitor	C496,C544,C586		1.128806	3	257514172.353070
11E1510050	Capacitor	C235,C255,C468		1.128806	3	257514172.353070
11E1522440	Capacitor	C422,C425,C589,C592,C594		1.128806	5	159367490.199266
11E1522680	Capacitor	C483		1.128806	1	704977644.692287
11E2501690	Capacitor	C470,C473,C481,C488,C529,C543,C633,C661		1.128806	8	101746760.035398
11E2510010	Capacitor	C246,C485,C486,C487		1.128806	4	196873384.410843
11E2522060	Capacitor	C474,C475,C476,C653,C654		1.128806	5	159367490.199266
11E2610030	Capacitor	C596,C597,C598,C599,C600,C604,C605,C606,C607,C608,C612,C613		1.128806	12	68856937.301178
11E2647650	Capacitor	C498		1.128806	1	704977644.692287

File Name: GENE-SKU6.rfp
Assembly: 9697SKU607-D
Ref Des:
Description:

Failure Rate: 8130.001693
MTBF (hrs): 123,001
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
11E4433090	Capacitor	C538,C558,C617		1.128806	3	257514172.353070
11E5510610	Capacitor	C459,C460		1.128806	2	375289731.076049
11E5933620	Capacitor	C655,C656,C657		1.128806	3	257514172.353070
11E9510490	Capacitor	C131,C132,C146,C279,C453,C454,C455,C456,C9		1.128806	9	90863428.080946
11E9522490	Capacitor	C553		1.128806	1	704977644.692287
11E9547680	Capacitor	C249,C261,C484		1.128806	3	257514172.353070
11E9622050	Capacitor	C616,C618,C620,C622,C624,C626,C629,C630,C644,C646		1.128806	10	82101057.548118
11E9622080	Capacitor	C118,C119,C120,C147,C19,C20,C21,C22,C23,C24,C25,C26,C27,C64,C65,C66,C67,C68,C69,C70		1.128806	20	41950408.034165

**Reliability Prediction
Summary**

File Name: GENE-SKU6.rfp
Assembly: 9697SKU607-D
Ref Des:
Description:

Failure Rate: 8130.001693
MTBF (hrs): 123,001
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
11EA501050	Capacitor	C100,C121,C122, C123,C124,C125, C126,C127,C129, C130,C133,C134, C136,C138,C139, C140,C143,C144, C145,C150,C43,C44, C45,C46,C47,C48, C49,C50,C51,C52, C53,C54,C55,C56, C57,C58,C59,C60, C83,C84,C85,C86, C87,C88,C89,C90, C91,C92,C93,C94, C95,C96,C97,C98, C99		1.128806	55	15582058.408778

File Name: GENE-SKU6.rfp
Assembly: 9697SKU607-D
Ref Des:
Description:

Failure Rate: 8130.001693
MTBF (hrs): 123,001
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
11EA610040	Capacitor	C101,C102,C103, C104,C105,C106, C107,C108,C109, C110,C111,C112, C113,C114,C115, C116,C117,C128,C28, C29,C30,C31,C32, C33,C34,C35,C36, C37,C38,C39,C40, C41,C411,C42,C71, C72,C73,C74,C75, C76,C77,C78,C79, C80,C81,C82		1.128806	46	18574133.926778
11EA647010	Capacitor	C11,C12,C13,C14, C15,C16,C17,C18, C61,C62,C63		1.128806	11	74892583.279796
11EB501040	Capacitor	C153,C154,C158, C160,C161,C162, C163,C164,C165, C166,C167,C274, C308,C309,C337, C338,C379,C380, C383,C394,C395,C4, C431,C432,C441, C452,C5,C510,C520, C535,C541,C561,C6, C621,C648,C649, C650		1.128806	37	22998172.632301
11EB522640	Capacitor	C593		1.128806	1	704977644.692287

File Name: GENE-SKU6.rfp
Assembly: 9697SKU607-D
Ref Des:
Description:

Failure Rate: 8130.001693
MTBF (hrs): 123,001
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
11EB610050	Capacitor	C360,C378,C381, C382,C386,C390, C666		1.128806	7	115633865.771428
11EB622010	Capacitor	C521,C526,C527, C542,C632,C640, C641		1.128806	7	115633865.771428
11EB647020	Capacitor	C659,C660		1.128806	2	375289731.076049
121110156T	Inductor	L13,L14		4.944252	2	83201062.149749
121110156Z	Inductor	L6		4.944252	1	154760964.143460
1211101573	Inductor	L10,L11		4.944252	2	83201062.149749
1211102266	Inductor	L5		4.944252	1	154760964.143460
121110226X	Inductor	L9		4.944252	1	154760964.143460
1211103376	Inductor	L12		4.944252	1	154760964.143460
1211106874	Inductor	L8		4.944252	1	154760964.143460
1212306030	Inductor	FB10,FB11,F B15, FB17,FB19,F B24		4.944252	6	30055900.223009
121230603N	Inductor	L4		4.944252	1	154760964.143460
1212308054	Inductor	FB12,FB13,F B14		4.944252	3	57363284.375370
12123D0001	Inductor	FB16,FB18,F B20, FB21,FB22,F B23, FB25,FB26,F B27, FB28,FB29		4.944252	11	16872203.304846
1214309006	Inductor	CH10,CH11,C H12, CH13,CH14,C H15, CH16,CH17,C H18, CH19,CH20,C H21, CH22,CH5,C H6,CH7, CH8,CH9		4.944252	18	10499568.783631
12310024A0	Miscellaneous	Y2		19.200000	1	23844262.770939
12310025A2	Miscellaneous	Y4,Y5		19.200000	2	8854051.752197
1231332726	Miscellaneous	Y1		19.200000	1	23844262.770939
1300414849	Semiconductor	D36,D37		7.793411	2	50578095.223398
1301003440	Semiconductor	D35,D38		7.793411	2	50578095.223398
1301005440	Semiconductor	D42		7.793411	1	92807310.010983
1301005444	Semiconductor	D1,D2		7.793411	2	50578095.223398
1301013041	Semiconductor	D3		7.793411	1	92807310.010983
1301400642	Semiconductor	D43		7.793411	1	92807310.010983

File Name: GENE-SKU6.rfp
 Assembly: 9697SKU607-D
 Ref Des:
 Description:

Failure Rate: 8130.001693
 MTBF (hrs): 123,001
 Temperature: 30
 Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1301793040	Semiconductor	D44,D45,D52		7.793411	3	35106858.962001
1302005641	Semiconductor	D39		7.793411	1	92807310.010983
1304000043	Optical Device	LED2		79.003355	1	6497172.749112
1304300140	Optical Device	LED1,LED3		79.003355	2	3783722.582110
1304500240	Optical Device	LED4		79.003355	1	6497172.749112
1305000360	Semiconductor	D40		7.793411	1	92807310.010983
130505ESD0	Semiconductor	D10,D11,D12 ,D13, D14,D15,D16 ,D17, D18,D19,D20 ,D21, D33,D34,D4, D5,D53, D54,D6,D7,D 8,D9		7.793411	22	5406639.281434
1305080040	Semiconductor	D22,D23,D24 ,D25, D26,D27,D28 ,D29, D30,D31,D32		7.793411	11	10495888.688121
13100EMX10	Semiconductor	Q49		22.463360	1	31642600.748419
1310390413	Semiconductor	Q11,Q12,Q3 2,Q33		22.463360	4	9270607.712006
1311390612	Semiconductor	Q15,Q16		22.463360	2	17315095.066101
13150123N0	Semiconductor	Q17,Q18		22.463360	2	17315095.066101
1315015530	Semiconductor	Q10,Q8,Q9		22.463360	3	12043329.789539
1315036640	Semiconductor	Q34,Q47		22.463360	2	17315095.066101
131504C850	Semiconductor	Q36,Q37		22.463360	2	17315095.066101
1315230511	Semiconductor	Q2,Q23,Q25, Q30,Q48		22.463360	5	7551839.591592
1315443512	Semiconductor	Q27		22.463360	1	31642600.748419
1315700216	Semiconductor	Q22,Q3,Q4,Q 40,Q41, Q42,Q43,Q4 4,Q46		22.463360	9	4366472.106532
1315720010	Semiconductor	Q35		22.463360	1	31642600.748419
1315720010	Semiconductor	Q38	36.4	55.437076	1	12821728.465322
1315D4C500	Semiconductor	Q21		22.463360	1	31642600.748419
1315EM6K10	Semiconductor	Q1,Q13,Q14, Q24,Q26, Q28,Q39,Q5 0		22.463360	8	4877097.849338
1430023050	Integrated Circuit	U2		43.803003	1	11739202.588727
1430097420	Integrated Circuit	U15,U16,U17		43.803003	3	4923240.069161
1430455200	Integrated Circuit	U37,U39,U40 ,U41, U42,U43,U45 ,U46, U47		43.803003	9	1934274.130806

File Name: GENE-SKU6.rfp
Assembly: 9697SKU607-D
Ref Des:
Description:

Failure Rate: 8130.001693
MTBF (hrs): 123,001
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1430532190	Integrated Circuit	U28		43.803003	1	11739202.588727
1430812460	Integrated Circuit	U36		43.803003	1	11739202.588727
1437323KA0	Integrated Circuit	U48,U49		43.803003	2	6834791.244197
143ALC8920	Integrated Circuit	U18		43.803003	1	11739202.588727
1440002130	Integrated Circuit	U21		43.803003	1	11739202.588727
1440033660	Integrated Circuit	U4		43.803003	1	11739202.588727
1440210ITO	Integrated Circuit	U11,U13		43.803003	2	6834791.244197
14406300U0	Integrated Circuit	U1	22.8	55.445802	1	9274143.538058
1462001280	Integrated Circuit	U10		11.063278	1	58231413.220643
14909665T0	Integrated Circuit	U26		43.803003	1	11739202.588727
14S1035803	Integrated Circuit	U51		43.803003	1	11739202.588727
14S3010700	Integrated Circuit	U50		43.803003	1	11739202.588727
14S3121600	Integrated Circuit	U34	34	381.021170	1	1349563.672422
14S3121800	Integrated Circuit	U32		43.803003	1	11739202.588727
14S3378900	Integrated Circuit	U27		43.803003	1	11739202.588727
14S3520500	Integrated Circuit	U30		43.803003	1	11739202.588727
14S3524700	Integrated Circuit	U7		43.803003	1	11739202.588727
14S3902500	Integrated Circuit	U33,U35,U44		43.803003	3	4923240.069161
14S4186600	Integrated Circuit	U20		43.803003	1	11739202.588727
14S4600004	Integrated Circuit	U19		43.803003	1	11739202.588727
14S4814380	Integrated Circuit	U22,U23,U24		43.803003	3	4923240.069161
14S5A00821	Integrated Circuit	U3,U38,U9		26.018600	3	9949526.289768
14S9346000	Integrated Circuit	U8	27	77.883101	1	8536033.341483
1651526003	Connection	DIMM1		16.184835	1	35685591.360212
165251420B	Connection	CN10,CN9		16.184835	2	20390152.380746
1652602105	Connection	CN30		16.184835	1	35685591.360212
165300310G	Connection	JP1,JP2,JP3,J P4, JP5,JP6,JP7		16.184835	7	6941176.714407
165300320K	Connection	JP11,JP8,JP9		16.184835	3	14515880.849373
165300520X	Connection	JP10		16.184835	1	35685591.360212
165320520V	Connection	CN24		16.184835	1	35685591.360212
1653300107	Connection	JP11(3- 4),JP2(2-3), JP4(2-3),JP5 (1-2), JP8(3- 4),JP9(3-4)		16.184835	6	7958792.615968
165330010E	Connection	JP3(2-3),JP6 (1-2), JP7(2- 3)		16.184835	3	14515880.849373
165330010G	Connection	JP1(1-2)		16.184835	1	35685591.360212
1653926211	Connection	CN13		16.184835	1	35685591.360212
1654008020	Connection	CN35		16.184835	1	35685591.360212
1654030003	Connection	CN6		16.184835	1	35685591.360212
1654226308	Connection	CN11		16.184835	1	35685591.360212
1654402030	Connection	CN5		16.184835	1	35685591.360212
1654430301	Connection	CN3		16.184835	1	35685591.360212

File Name: GENE-SKU6.rfp
Assembly: 9697SKU607-D
Ref Des:
Description:

Failure Rate: 8130.001693
MTBF (hrs): 123,001
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1654801830	Connection	CN18,CN19		16.184835	2	20390152.380746
1654900703	Connection	CN14		16.184835	1	35685591.360212
1654900800	Connection	CN12		16.184835	1	35685591.360212
1655003016	Connection	CN36		16.184835	1	35685591.360212
1655003028	Connection	CN33		16.184835	1	35685591.360212
1655302025	Connection	CN15		16.184835	1	35685591.360212
1655305025	Connection	CN7		16.184835	1	35685591.360212
1655306026	Connection	CN32		16.184835	1	35685591.360212
1655807030	Connection	CN8		16.184835	1	35685591.360212
1655902034	Connection	CN1		16.184835	1	35685591.360212
1655905038	Connection	CN20,CN21		16.184835	2	20390152.380746
1655909034	Connection	CN25,CN26,CN27, CN28		16.184835	4	11344857.509064
1655909035	Connection	CN23		16.184835	1	35685591.360212
1655910032	Connection	CN22		16.184835	1	35685591.360212
1655912032	Connection	CN29		16.184835	1	35685591.360212
175011301C	Connection	CN1		16.184835	1	35685591.360212
1752000501	Miscellaneous	FS2,FS3,FS4		2.400000	3	101854599.204190
1752001603	Miscellaneous	F1,F2,FS1		2.400000	3	101854599.204190
175910000B	Miscellaneous	BZ1		306.000000	1	1681683.006787