

COM-QM57

Reliability Prediction Report

(MTBF)

Summary	Failure Rate: 11.969400 ppm MTBF: 83,546 Hours
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Issue date

Approval

Test Engineer

2012/01/19

Jansin Lee

Jessica Chou

Reliability Prediction (MTBF)

I . Model Name: TF-COM-QM57-A11(9697QM572B-D)

II . Prediction Date: Jan. 19, 2012

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

IV . Predicted by: Jessica Chou

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:

TF-COM-QM57-A11 (9697QM572B-D):

- Failure Rate: 11.969400ppm
- MTBF: 83,546 Hours

AAEON Reliability Prediction Report

Part Number 9697QM572B-D
Reference Des
Date 01. 19, 2012
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description Top-level assembly
File Name TF-COM-QM57-A11.RPJ
Time 15:31
Failure Rate 11.969400
MTBF 83,546

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
TF-COM-QM57-A11	9697QM572B-D	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled	100.00	1.00	11.97	83546.37

AAEON Reliability Prediction Report

Part Number 9697QM572B-D
Reference Des
Date 01. 19, 2012
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description Top-level assembly
File Name TF-COM-QM57-A11.RPJ
Time 15:31
Failure Rate 11.969400
MTBF 83,546

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1050510034	Resistor	R10,R102,R166,R171, R201,R211,R235, R308,R418,R448, R449,R472,R473, R482,R485,R491, R493,R501,R510, R511,R523,R547, R576,R583,R584, R587,R709,R768, R769,R833,R856	Telcordia Issue 1	Level I		31.00	0.002268	.5873	440974090.03
1050519114	Resistor	R52	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
1050520004	Resistor	R162,R446,R527, R532,R78,R79,R80	Telcordia Issue 1	Level I		7.00	0.002268	.1326	440974090.03
1050582514	Resistor	R58,R867	Telcordia Issue 1	Level I		2.00	0.002268	.0379	440974090.03
1050703334	Resistor	R721,R730	Telcordia Issue 1	Level I		2.00	0.002268	.0379	440974090.03
1059700001	Resistor	R13,R14,R289	Telcordia Issue 1	Level I		3.00	0.002268	.0568	440974090.03
1059704703	Resistor	R165	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
1059704761	Resistor	R62	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
1059710001	Resistor	R1,R3	Telcordia Issue 1	Level I		2.00	0.002268	.0379	440974090.03
105A500139	Resistor	R142,R432,R440, R524,R525,R526, R531,R570,R811	Telcordia Issue 1	Level I		9.00	0.002268	.1705	440974090.03
105A500239	Resistor	R802	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A501033	Resistor	R56	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A501039	Resistor	R105,R110,R115, R119,R124,R125, R146,R172,R173, R174,R175,R179, R191,R194,R195, R206,R323,R324, R326,R327,R330, R342,R395,R398, R400,R402,R403, R405,R406,R408, R410,R411,R413, R417,R421,R422, R423,R426,R429,	Telcordia Issue 1	Level I		108.00	0.002268	2.0462	440974090.03
105A501123	Resistor	R379	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A501133	Resistor	R339,R61	Telcordia Issue 1	Level I		2.00	0.002268	.0379	440974090.03
105A501139	Resistor	R388,R390	Telcordia Issue 1	Level I		2.00	0.002268	.0379	440974090.03

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File Name TF-COM-QM57-A11.RPJ
Time 15:31
Failure Rate 11.969400
MTBF 83,546

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A501333	Resistor	R11,R12	Telcordia Issue 1	Level I		2.00	0.002268	.0379	440974090.03
105A501503	Resistor	R185,R430	Telcordia Issue 1	Level I		2.00	0.002268	.0379	440974090.03
105A501523	Resistor	R334,R416	Telcordia Issue 1	Level I		2.00	0.002268	.0379	440974090.03
105A501633	Resistor	R801	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A502003	Resistor	R16,R17	Telcordia Issue 1	Level I		2.00	0.002268	.0379	440974090.03
105A502033	Resistor	R143,R150,R414	Telcordia Issue 1	Level I		3.00	0.002268	.0568	440974090.03
105A503323	Resistor	R44	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A504733	Resistor	R109	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A505103	Resistor	R15,R278	Telcordia Issue 1	Level I		2.00	0.002268	.0379	440974090.03
105A505109	Resistor	R338	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A506823	Resistor	R57,R98	Telcordia Issue 1	Level I		2.00	0.002268	.0379	440974090.03
105A506833	Resistor	R716	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A508203	Resistor	R221,R233,R588	Telcordia Issue 1	Level I		3.00	0.002268	.0568	440974090.03
105A510003	Resistor	R790,R792,R803, R806	Telcordia Issue 1	Level I		4.00	0.002268	.0758	440974090.03
105A510009	Resistor	R106,R107,R108, R306,R328,R479,R54	Telcordia Issue 1	Level I		7.00	0.002268	.1326	440974090.03
105A510523	Resistor	R281,R310	Telcordia Issue 1	Level I		2.00	0.002268	.0379	440974090.03
105A512103	Resistor	R161	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A513003	Resistor	R48	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A508223	Resistor	R754	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A514323	Resistor	R459	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A514733	Resistor	R114,R329	Telcordia Issue 1	Level I		2.00	0.002268	.0379	440974090.03
105A515009	Resistor	R548,R549,R550	Telcordia Issue 1	Level I		3.00	0.002268	.0568	440974090.03
105A515413	Resistor	R49	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A519133	Resistor	R751	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A522003	Resistor	R451	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A522663	Resistor	R151	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A523713	Resistor	R496	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A524963	Resistor	R51	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A526113	Resistor	R356	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A530113	Resistor	R176,R177,R377, R381,R539	Telcordia Issue 1	Level I		5.00	0.002268	.0947	440974090.03
105A532463	Resistor	R435	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A533033	Resistor	R141	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A533213	Resistor	R292,R303	Telcordia Issue 1	Level I		2.00	0.002268	.0379	440974090.03
105A536513	Resistor	R63	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A536523	Resistor	R752	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03

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



Description Top-level assembly
File Name TF-COM-QM57-A11.RPJ
Time 15:31
Failure Rate 11.969400
MTBF 83,546

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A537463	Resistor	R466	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A540213	Resistor	R331	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A541233	Resistor	R340,R345	Telcordia Issue 1	Level I		2.00	0.002268	.0379	440974090.03
105A549903	Resistor	R33	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A549969	Resistor	R22,R25,R276,R481, R64	Telcordia Issue 1	Level I		5.00	0.002268	.0947	440974090.03
105A554963	Resistor	R178	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A556203	Resistor	R351	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A575003	Resistor	R415,R74	Telcordia Issue 1	Level I		2.00	0.002268	.0379	440974090.03
105A580613	Resistor	R336,R55	Telcordia Issue 1	Level I		2.00	0.002268	.0379	440974090.03
105A582563	Resistor	R335,R353	Telcordia Issue 1	Level I		2.00	0.002268	.0379	440974090.03
105A590963	Resistor	R488	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A593103	Resistor	R45	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A700003	Resistor	R262,R301,R309, R332,R348,R350, R462,R469,R673, R711,R724,R726, R778,R779,R780, R786,R820,R822, R824,R827,R829, R830	Telcordia Issue 1	Level I		22.00	0.002268	.4168	440974090.03
105A700009	Resistor	C835,R100,R111, R112,R126,R127, R136,R147,R148, R156,R157,R158, R159,R160,R18,R180, R181,R187,R188,R19, R193,R197,R20,R202, R204,R207,R209, R210,R214,R215, R219,R222,R223, R224,R226,R23,R24, R242,R253,R26,R269, R27,R28,R29,R30	Telcordia Issue 1	Level I		142.00	0.002268	2.6903	440974090.03
105A700103	Resistor	R293,R304,R560	Telcordia Issue 1	Level I		3.00	0.002268	.0568	440974090.03
105A700139	Resistor	R200,R208,R21,R277, R280,R290,R291, R296,R299,R300, R313,R34,R36,R37, R404,R442,R444, R512,R69,R837,R838, R857,R858,R86	Telcordia Issue 1	Level I		24.00	0.002268	.4547	440974090.03

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Date 01. 19, 2012
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00

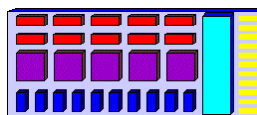


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File Name TF-COM-QM57-A11.RPJ
Time 15:31
Failure Rate 11.969400
MTBF 83,546

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A700233	Resistor	R437,R65	Telcordia Issue 1	Level I		2.00	0.002268	.0379	440974090.03
105A701009	Resistor	R232,R302,R41,R484, R59,R60,R678,R704, R777	Telcordia Issue 1	Level I		9.00	0.002268	.1705	440974090.03
105A701053	Resistor	R145,R2,R212,R795, R796,R812	Telcordia Issue 1	Level I		6.00	0.002268	.1137	440974090.03
105A701523	Resistor	R832	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A702209	Resistor	R589,R590,R591	Telcordia Issue 1	Level I		3.00	0.002268	.0568	440974090.03
105A702229	Resistor	R116,R120,R230, R236,R245,R246, R433,R443,R452, R508,R515,R520, R528,R533,R545, R573,R575,R579, R586,R771,R85	Telcordia Issue 1	Level I		21.00	0.002268	.3979	440974090.03
105A702263	Resistor	R347,R349,R692	Telcordia Issue 1	Level I		3.00	0.002268	.0568	440974090.03
105A702269	Resistor	R494,R505	Telcordia Issue 1	Level I		2.00	0.002268	.0379	440974090.03
105A703309	Resistor	R152,R153,R155, R167,R168,R169, R170,R186,R189, R192,R196,R198, R199,R203,R205, R248,R256,R483, R521	Telcordia Issue 1	Level I		19.00	0.002268	.3600	440974090.03
105A703909	Resistor	R551,R552	Telcordia Issue 1	Level I		2.00	0.002268	.0379	440974090.03
105A704729	Resistor	R104,R247,R252, R307,R595,R652, R688,R689,R714, R715,R720,R722, R775,R785,R800, R804,R807,R839, R840	Telcordia Issue 1	Level I		19.00	0.002268	.3600	440974090.03
105A704733	Resistor	R463,R470,R53	Telcordia Issue 1	Level I		3.00	0.002268	.0568	440974090.03
105A705609	Resistor	R183	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A705623	Resistor	R163	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
105A706803	Resistor	R279,R315	Telcordia Issue 1	Level I		2.00	0.002268	.0379	440974090.03
105A708229	Resistor	R118,R234,R92	Telcordia Issue 1	Level I		3.00	0.002268	.0568	440974090.03
105A710053	Resistor	R133	Telcordia Issue 1	Level I		1.00	0.013606	.1137	73495681.67
105A733009	Resistor	R238,R239,R755	Telcordia Issue 1	Level I		3.00	0.002268	.0568	440974090.03
106B501032	Resistor	RT1,RT2,RT4,RT5	Telcordia Issue 1	Level I		4.00	0.011379	.3803	87878027.07
106B747030	Resistor	RT3	Telcordia Issue 1	Level I		1.00	0.011379	.0951	87878027.07

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



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Time 15:31
Failure Rate 11.969400
MTBF 83,546

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1121501690	Capacitor	C100,C101,C105, C106,C107,C108, C111,C112,C113, C114,C116,C117, C118,C120,C122, C123,C125,C126, C128,C129,C132, C133,C134,C136, C138,C14,C143,C145, C146,C154,C155, C157,C160,C161, C163,C164,C167, C230,C231,C284,	Telcordia Issue 1	Level I		166.00	0.004535	6.2900	220487045.01
1122547450	Capacitor	C566	Telcordia Issue 1	Level I		1.00	0.004535	.0379	220487045.01
1124410080	Capacitor	C560	Telcordia Issue 1	Level I		1.00	0.004535	.0379	220487045.01
1124410190	Capacitor	C166	Telcordia Issue 1	Level I		1.00	0.004535	.0379	220487045.01
1124418090	Capacitor	C147,C149,C95,C98	Telcordia Issue 1	Level I		4.00	0.004535	.1516	220487045.01
1124427090	Capacitor	C150,C151	Telcordia Issue 1	Level I		2.00	0.004535	.0758	220487045.01
1124515880	Capacitor	C33	Telcordia Issue 1	Level I		1.00	0.004535	.0379	220487045.01
1124522280	Capacitor	C274	Telcordia Issue 1	Level I		1.00	0.004535	.0379	220487045.01
1124522680	Capacitor	C441,C554,C58	Telcordia Issue 1	Level I		3.00	0.004535	.1137	220487045.01
1124522880	Capacitor	C464	Telcordia Issue 1	Level I		1.00	0.004535	.0379	220487045.01
1124533190	Capacitor	C57,C63	Telcordia Issue 1	Level I		2.00	0.004535	.0758	220487045.01
1124539180	Capacitor	C275,C28,C351	Telcordia Issue 1	Level I		3.00	0.004535	.1137	220487045.01
1124568180	Capacitor	C65	Telcordia Issue 1	Level I		1.00	0.004535	.0379	220487045.01
1124582280	Capacitor	C64	Telcordia Issue 1	Level I		1.00	0.004535	.0379	220487045.01
1129610080	Capacitor	C115,C119,C121, C124,C16,C185,C198, C199,C205,C281, C290,C303,C316, C328,C334,C338, C344,C354,C358, C364,C382,C383, C392,C393,C397, C398,C401,C402, C415,C416,C424, C425,C444,C454, C455,C456,C458, C466,C513,C516,	Telcordia Issue 1	Level I		50.00	0.004535	1.8946	220487045.01

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File Name TF-COM-QM57-A11.RPJ
Time 15:31
Failure Rate 11.969400
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Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate,%	MTBF, Unit
1129701790	Capacitor	C12,C13,C139,C15, C159,C35,C356,C400, C403,C404,C405, C406,C407,C408, C409,C412,C417, C422,C427,C505, C506,C521,C523,C79, C80,C81,C82,C9	Telcordia Issue 1	Level I		28.00	0.004535	1.0610	220487045.01
1129710090	Capacitor	C43,C581,C582	Telcordia Issue 1	Level I		3.00	0.004535	.1137	220487045.01
1129710390	Capacitor	C261,C27,C29,C312, C420,C445,C545, C550,C553,C56,C561,C570	Telcordia Issue 1	Level I		12.00	0.004535	.4547	220487045.01
1129722091	Capacitor	C152,C153,C37	Telcordia Issue 1	Level I		3.00	0.004535	.1137	220487045.01
1189615151	Capacitor	TC17,TC18,TC2,TC28, TC3,TC32	Telcordia Issue 1	Level I		6.00	0.004535	.2274	220487045.01
1189622150	Capacitor	C135,C137	Telcordia Issue 1	Level I		2.00	0.004535	.0758	220487045.01
1189633160	Capacitor	TC1,TC10,TC11,TC12, TC13,TC14,TC21, TC22,TC24,TC25, TC26,TC27,TC29, TC33,TC4,TC5,TC6, TC7,TC8,TC9	Telcordia Issue 1	Level I		20.00	0.004535	.7578	220487045.01
1189915180	Capacitor	TC20,TC23	Telcordia Issue 1	Level I		2.00	0.004535	.0758	220487045.01
11A4422180	Capacitor	C295	Telcordia Issue 1	Level I		1.00	0.004535	.0379	220487045.01
11A4433180	Capacitor	C8	Telcordia Issue 1	Level I		1.00	0.004535	.0379	220487045.01
11C1522480	Capacitor	C173,C178,C206, C210,C263,C308,C59	Telcordia Issue 1	Level I		7.00	0.004535	.2652	220487045.01
11C1547890	Capacitor	C289	Telcordia Issue 1	Level I		1.00	0.004535	.0379	220487045.01
11C2510480	Capacitor	C25,C4,C419,C467, C562,C587,R835	Telcordia Issue 1	Level I		7.00	0.004535	.2652	220487045.01
11C4501650	Capacitor	C583	Telcordia Issue 1	Level I		1.00	0.004535	.0379	220487045.01
11C4533880	Capacitor	C486,C61	Telcordia Issue 1	Level I		2.00	0.004535	.0758	220487045.01
11C4547690	Capacitor	C359	Telcordia Issue 1	Level I		1.00	0.004535	.0379	220487045.01
11E2501080	Capacitor	C468	Telcordia Issue 1	Level I		1.00	0.004535	.0379	220487045.01
11E2522090	Capacitor	C177,C193,C194, C297,C323,C544,C87, C91,C96	Telcordia Issue 1	Level I		9.00	0.004535	.3410	220487045.01
11E2647650	Capacitor	C11	Telcordia Issue 1	Level I		1.00	0.004535	.0379	220487045.01

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

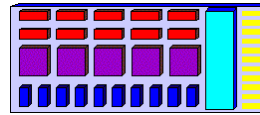


Description Top-level assembly
File Name TF-COM-QM57-A11.RPJ
Time 15:31
Failure Rate 11.969400
MTBF 83,546

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
11E9501091	Capacitor	C102,C109,C130, C140,C148,C158, C186,C187,C188, C189,C190,C191, C203,C204,C209, C216,C217,C218, C219,C220,C221, C222,C223,C224, C225,C226,C227, C228,C229,C23,C232, C233,C234,C235, C236,C239,C24,C240, C241,C242,C243,	Telcordia Issue 1	Level I		149.00	0.004535	5.6459	220487045.01
11E9522680	Capacitor	C214,C215,C362, C368,C478,C531, C533	Telcordia Issue 1	Level I		7.00	0.004535	.2652	220487045.01
11E9622050	Capacitor	C1,C168,C169,C170, C171,C172,C179, C180,C181,C182, C192,C195,C196, C197,C200,C201, C202,C211,C212, C213,C283,C285, C286,C3,C318,C352, C360,C373,C378, C380,C396,C414, C490,C491,C5,C509, C54,C55,C6,C7	Telcordia Issue 1	Level I		40.00	0.004535	1.5157	220487045.01
11E9647680	Capacitor	C282,C421	Telcordia Issue 1	Level I		2.00	0.004535	.0758	220487045.01
1211000180	Inductor	L10	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
1211100160	Inductor	L18	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
121110100F	Inductor	L12,L13,L19	Telcordia Issue 1	Level I		3.00	0.086173	2.1598	11604581.32
1211103370	Inductor	L7	Telcordia Issue 1	Level I		1.00	0.002268	.0189	440974090.03
1211103671	Inductor	L1,L3,L5	Telcordia Issue 1	Level I		3.00	0.086173	2.1598	11604581.32
1211106872	Inductor	L14,L15	Telcordia Issue 1	Level I		2.00	0.002268	.0379	440974090.03
121230603S	Inductor	FB1,FB2	Telcordia Issue 1	Level I		2.00	0.002268	.0379	440974090.03
123131435J	Miscellaneous	Y4	Telcordia Issue 1	Level I		1.00	0.150000	1.2532	6666666.67
123132505D	Miscellaneous	Y3,Y5	Telcordia Issue 1	Level I		2.00	0.150000	2.5064	6666666.67
1231332722	Miscellaneous	Y2,Y7	Telcordia Issue 1	Level I		2.00	0.150000	2.5064	6666666.67
1301002240	Semiconductor	D25,D41,D42,D8,D9	Telcordia Issue 1	Level I		5.00	0.023881	.9976	41874327.58
1301005440	Semiconductor	D11,D29,D4,D7	Telcordia Issue 1	Level I		4.00	0.023881	.7981	41874327.58

AAEON Reliability Prediction Report

Part Number 9697QM572B-D
Reference Des
Date 01. 19, 2012
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description Top-level assembly
File Name TF-COM-QM57-A11.RPJ
Time 15:31
Failure Rate 11.969400
MTBF 83,546

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate,%	MTBF, Unit
1301005443	Semiconductor	D26,D27,D28,D30	Telcordia Issue 1	Level I		4.00	0.027212	.9094	36747840.84
1304001340	Semiconductor	LED1,LED2	Telcordia Issue 1	Level I		2.00	0.004877	.0815	205063180.81
1310390410	Semiconductor	Q20,Q21,Q26,Q54, Q64,Q65,Q66,Q67, Q68,Q69,Q70	Telcordia Issue 1	Level I		11.00	0.023881	2.1947	41874327.58
1311390610	Semiconductor	Q1	Telcordia Issue 1	Level I		1.00	0.023881	.1995	41874327.58
1314108416	Integrated Circuit	Q18	Telcordia Issue 1	Level I		1.00	0.059366	.4960	16844654.92
1314111713	Integrated Circuit	Q57	Telcordia Issue 1	Level I		1.00	0.059366	.4960	16844654.92
1315050311	Integrated Circuit	Q15,Q2,Q39,Q4,Q8	Telcordia Issue 1	Level I		5.00	0.059366	2.4799	16844654.92
1315441012	Semiconductor	Q17,Q19	Telcordia Issue 1	Level I		2.00	0.079603	1.3301	12562298.27
1315443510	Semiconductor	Q23	Telcordia Issue 1	Level I		1.00	0.079603	.6651	12562298.27
1315482110	Semiconductor	Q29,Q37	Telcordia Issue 1	Level I		2.00	0.079603	1.3301	12562298.27
1315482410	Semiconductor	Q31,Q38	Telcordia Issue 1	Level I		2.00	0.079603	1.3301	12562298.27
1315667910	Semiconductor	Q22,Q45,Q53	Telcordia Issue 1	Level I		3.00	0.159207	3.9903	6281149.14
1315700216	Semiconductor	Q12,Q13,Q14,Q25, Q27,Q28,Q30,Q32, Q33,Q34,Q35,Q36, Q40,Q41,Q42,Q43, Q44,Q48,Q52,Q55, Q56,Q58,Q60,Q61, Q62,Q63,Q72,Q73, Q74,Q75	Telcordia Issue 1	Level I		30.00	0.079603	19.9517	12562298.27
1315R30310	Integrated Circuit	Q16,Q3,Q5,Q51,Q9	Telcordia Issue 1	Level I		5.00	0.059366	2.4799	16844654.92
14S2321900	Semiconductor	U22	Telcordia Issue 1	Level I		1.00	0.000000	.0000	.00
14S3058500	Integrated Circuit	U18	Telcordia Issue 1	Level I		1.00	0.059366	.4960	16844654.92
14S3111600	Integrated Circuit	U25	Telcordia Issue 1	Level I		1.00	0.032000	.2673	31250122.20
14S3121700	Integrated Circuit	U13,U17	Telcordia Issue 1	Level I		2.00	0.026183	.4375	38193355.79
14S3621601	Integrated Circuit	U96	Telcordia Issue 1	Level I		1.00	0.059366	.4960	16844654.92
14S4036800	Integrated Circuit	U16	Telcordia Issue 1	Level I	13.40	1.00	0.151688	1.2673	6592482.19
14S4195710	Integrated Circuit	U97	Telcordia Issue 1	Level I		1.00	0.059366	.4960	16844654.92
14S4257701	Integrated Circuit	U19	Telcordia Issue 1	Level I		1.00	0.026183	.2187	38193355.79
14S4288100	Integrated Circuit	U5	Telcordia Issue 1	Level I		1.00	0.059366	.4960	16844654.92
14S4288200	Integrated Circuit	U3	Telcordia Issue 1	Level I		1.00	0.026183	.2187	38193355.79
14S4BD8200	Integrated Circuit	U15	Telcordia Issue 1	Level I		1.00	0.026183	.2187	38193355.79
14S5A00401	Integrated Circuit	U24	Telcordia Issue 1	Level I		1.00	0.026183	.2187	38193355.79
14S5A00702	Integrated Circuit	U99	Telcordia Issue 1	Level I		1.00	0.059366	.4960	16844654.92
14S5A00821	Integrated Circuit	U11,U32,U34,U35, U36,U37,U6,U7,U8	Telcordia Issue 1	Level I		9.00	0.026183	1.9687	38193355.79
14S5A01402	Integrated Circuit	U33	Telcordia Issue 1	Level I		1.00	0.026183	.2187	38193355.79
14S5A12503	Integrated Circuit	U26	Telcordia Issue 1	Level I		1.00	0.059366	.4960	16844654.92

