

EPIC-QM57

Reliability Prediction Report

(MTBF)

Summary	Failure Rate: 19.271892 ppm MTBF: 51,889 Hours
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Issue date

Approval

Test Engineer

2010/04/30

Jansin Lee

Jessica Chou

Reliability Prediction (MTBF)

I . Model Name: EPIC-QM57 (9697QM5702-D)

II . Prediction Date: Apr. 30, 2010

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: 24.9 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:

EPIC-QM57

- Failure Rate: 19.271892 ppm

- MTBF: 51,889 Hours

AAEON Reliability Prediction Report

Part Number 9697QM5702-D
Reference Des
Date 04. 30, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.90



Description Top-level assembly
File Name EPIC-QM57.RPJ
Time 2:35 下午
Failure Rate 19.271892
MTBF 51,889

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
EPIC-QM57	9697QM5702-D	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled	100.00	1.00	19.27	51889.04

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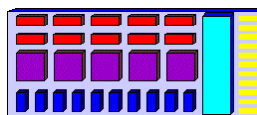


Description Top-level assembly
File Name EPIC-QM57.RPJ
Time 2:35 下午
Failure Rate 19.271892
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Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1124410190	Capacitor	C171,C276,C277, C296,C303,C304, C308,C310,C540, C541,C548,C566, C572,C582,C588, C601,C607,C616, C618,C619,C625, C637,C640,C641, C643	Telcordia Issue 1	Level I		25.00	0.004527	.5872	220919666.10
105A700009	Resistor	C225,C226,C227, C228,C644,C645, C646,C647,L15,L21, L26,L30,L40,L8, R107,R115,R12,R125, R126,R129,R130, R131,R140,R151, R152,R153,R156,R16, R161,R162,R164, R166,R167,R170, R171,R174,R175, R177,R189,R191, R192,R193,R194,	Telcordia Issue 1	Level I		221.00	0.002263	2.5954	441839332.19
1129710090	Capacitor	C249,C251,C252, C253,C695,C697, C701	Telcordia Issue 1	Level I		7.00	0.004527	.1644	220919666.10
1124515281	Capacitor	C255	Telcordia Issue 1	Level I		1.00	0.004527	.0235	220919666.10
1124427090	Capacitor	C259,C260,C261, C262,C605,C617, C639,C648,C689, C692,C698,C710, C713	Telcordia Issue 1	Level I		13.00	0.004527	.3053	220919666.10
11E1510050	Capacitor	C271,C272	Telcordia Issue 1	Level I		2.00	0.004527	.0470	220919666.10
11A4422180	Capacitor	C274	Telcordia Issue 1	Level I		1.00	0.004527	.0235	220919666.10
1129722091	Capacitor	C282,C380	Telcordia Issue 1	Level I		2.00	0.004527	.0470	220919666.10
11E2647650	Capacitor	C314,C323,C344, C348	Telcordia Issue 1	Level I		4.00	0.004527	.0940	220919666.10
1124522880	Capacitor	C356	Telcordia Issue 1	Level I		1.00	0.005462	.0283	183081288.02
11E9610190	Capacitor	C389,C410,C441	Telcordia Issue 1	Level I		3.00	0.004527	.0705	220919666.10
1189622150	Capacitor	C442,C454	Telcordia Issue 1	Level I		2.00	0.004527	.0470	220919666.10
11E1547090	Capacitor	C515	Telcordia Issue 1	Level I		1.00	0.004527	.0235	220919666.10
1129747090	Capacitor	C522	Telcordia Issue 1	Level I		1.00	0.004527	.0235	220919666.10
1124433090	Capacitor	C623,C624,C670	Telcordia Issue 1	Level I		3.00	0.004527	.0705	220919666.10
1124522680	Capacitor	C678	Telcordia Issue 1	Level I		1.00	0.004527	.0235	220919666.10
11C4533180	Capacitor	C712	Telcordia Issue 1	Level I		1.00	0.004527	.0235	220919666.10

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1300001440	Semiconductor	D1,D2,D8	Telcordia Issue 1	Level I		3.00	0.023812	.3707	41994887.40
1301005440	Semiconductor	D17,D18,D20,D28,D3, D38,D42,D7	Telcordia Issue 1	Level I		8.00	0.023812	.9885	41994887.40
1211105673	Inductor	D4,D5	Telcordia Issue 1	Level I		2.00	0.086004	.8925	11627350.85
1305100541	Semiconductor	D12,D13,D14,D16, D19,D24,D25,D26, D27,D30,D31,D32, D33,D34,D35,D36, D37,D6	Telcordia Issue 1	Level I		18.00	0.023812	2.2241	41994887.40
1300414848	Semiconductor	D9	Telcordia Issue 1	Level I		1.00	0.023812	.1236	41994887.40
1301002240	Semiconductor	D11,D15,D21,D22, D23	Telcordia Issue 1	Level I		5.00	0.023812	.6178	41994887.40
1301400642	Semiconductor	D29,D40,D41	Telcordia Issue 1	Level I		3.00	0.023812	.3707	41994887.40
1752001601	Miscellaneous	FS1,FS3	Telcordia Issue 1	Level I		2.00	0.003000	.0311	33333333.33
1752011000	Miscellaneous	FS2	Telcordia Issue 1	Level I		1.00	0.003000	.0156	33333333.33
1752000501	Miscellaneous	FS4	Telcordia Issue 1	Level I		1.00	0.003000	.0156	33333333.33
1304001340	Semiconductor	LED1,LED2,LED3, LED4	Telcordia Issue 1	Level I		4.00	0.004832	.1003	206947616.14
1211101064	Inductor	L1	Telcordia Issue 1	Level I		1.00	0.086004	.4463	11627350.85
1211103671	Inductor	L10,L2,L3	Telcordia Issue 1	Level I		3.00	0.002263	.0352	441839332.19
121230603S	Inductor	L32,L36,L39,L47,L6, L9	Telcordia Issue 1	Level I		6.00	0.002263	.0705	441839332.19
121110476G	Inductor	L7	Telcordia Issue 1	Level I	19.80	1.00	0.123773	.6422	8079337.20
121110226E	Inductor	L11	Telcordia Issue 1	Level I		1.00	0.086004	.4463	11627350.85
12123C0005	Inductor	L12,L13,L14	Telcordia Issue 1	Level I		3.00	0.002263	.0352	441839332.19
1059700001	Resistor	L16,L41,L42,L48, L49	Telcordia Issue 1	Level I		5.00	0.002263	.0587	441839332.19
105A700003	Resistor	L17,L18,L19,L20, L22,L23,L28,R106, R109,R119,R315, R428,R438,R64,R68, R69,R692,R70	Telcordia Issue 1	Level I		18.00	0.002263	.2114	441839332.19
1212306035	Inductor	L24,L25	Telcordia Issue 1	Level I		2.00	0.002263	.0235	441839332.19
121110100F	Inductor	L27,L31,L33	Telcordia Issue 1	Level I		3.00	0.086004	1.3388	11627350.85
1211100160	Inductor	L29	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
1214309006	Inductor	L37,L38,L43,L44, L45,L46	Telcordia Issue 1	Level I		6.00	0.002263	.0705	441839332.19

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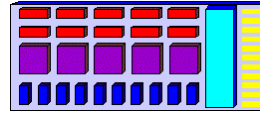


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File Name EPIC-QM57.RPJ
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MTBF 51,889

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate,%	MTBF, Unit
105A501039	Resistor	PR1,R101,R102,R117, R122,R134,R135, R141,R143,R144, R147,R148,R15,R154, R155,R157,R179, R224,R225,R229, R235,R236,R237, R238,R247,R263, R272,R275,R278, R280,R299,R306, R307,R316,R318,R32, R33,R335,R367,R375, R415,R416,R418,	Telcordia Issue 1	Level I		108.00	0.002263	1.2683	441839332.19
1315700216	Semiconductor	Q1,Q11,Q16,Q17,Q19, Q23,Q24,Q3,Q30,Q31, Q32,Q35,Q39,Q40, Q41,Q47,Q48,Q49, Q50,Q51,Q54,Q56, Q58,Q59,Q63,Q64, Q65,Q66,Q67,Q77, Q78,Q79,Q80,Q81, Q82,Q83,Q84,Q85, Q88,Q89,Q90,Q91	Telcordia Issue 1	Level I		41.00	0.079375	16.8866	12598466.22
1315700216	Semiconductor	Q11	Telcordia Issue 1	Level I	14.90	1.00	0.119376	.6194	8376893.28
1310390410	Semiconductor	Q2,Q20,Q21,Q33,Q34, Q36,Q37,Q43,Q44, Q45,Q57,Q69,Q71, Q73	Telcordia Issue 1	Level I		14.00	0.023812	1.7298	41994887.40
1315442410	Integrated Circuit	Q28,Q4,Q53,Q72	Telcordia Issue 1	Level I		4.00	0.058933	1.2232	16968377.18
1315050311	Semiconductor	Q10,Q12,Q27,Q5,Q9	Telcordia Issue 1	Level I		5.00	0.079375	2.0593	12598466.22
1315R30310	Semiconductor	Q13,Q29,Q6,Q7,Q8	Telcordia Issue 1	Level I		5.00	0.079375	2.0593	12598466.22
1314880010	Integrated Circuit	Q14	Telcordia Issue 1	Level I		1.00	0.058933	.3058	16968377.18
1315441012	Semiconductor	Q15,Q52,Q55,Q61	Telcordia Issue 1	Level I		4.00	0.079375	1.6475	12598466.22
1311138610	Semiconductor	Q25,Q26	Telcordia Issue 1	Level I		2.00	0.023812	.2471	41994887.40
1315230511	Semiconductor	Q38	Telcordia Issue 1	Level I		1.00	0.079375	.4119	12598466.22
14S3524700	Integrated Circuit	Q42	Telcordia Issue 1	Level I		1.00	0.058933	.3058	16968377.18
1314108416	Integrated Circuit	Q46	Telcordia Issue 1	Level I		1.00	0.058933	.3058	16968377.18
1314108416	Integrated Circuit	Q68	Telcordia Issue 1	Level I	28.30	1.00	0.390867	2.0282	2558415.64
131411171C	Integrated Circuit	Q60	Telcordia Issue 1	Level I		1.00	0.058933	.3058	16968377.18
131411171C	Integrated Circuit	Q62	Telcordia Issue 1	Level I	26.30	1.00	0.345677	1.7937	2892870.05
1311390610	Semiconductor	Q74	Telcordia Issue 1	Level I		1.00	0.023812	.1236	41994887.40

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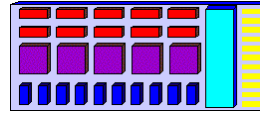


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1315667910	Semiconductor	Q75	Telcordia Issue 1	Level I		1.00	0.158749	.8237	6299233.11
1315495710	Integrated Circuit	Q76	Telcordia Issue 1	Level I		1.00	0.058933	.3058	16968377.18
1315230300	Semiconductor	Q86	Telcordia Issue 1	Level I		1.00	0.079375	.4119	12598466.22
1540782282	Resistor	RP1,RP15,RP2,RP21, RP22,RP3	Telcordia Issue 1	Level I		6.00	0.012435	.3871	80418362.36
1540700081	Resistor	RP23,RP4,RP7	Telcordia Issue 1	Level I		3.00	0.000000	.0000	.00
1540733085	Resistor	RP10,RP5,RP6,RP8, RP9	Telcordia Issue 1	Level I		5.00	0.006217	.1613	160836724.71
1540710084	Resistor	RP16,RP17,RP18, RP19,RP20,RP26, RP27,RP28,RP29, RP31,RP33,RP34	Telcordia Issue 1	Level I		12.00	0.006217	.3871	160836724.71
1540710280	Resistor	RP30,RP32	Telcordia Issue 1	Level I		2.00	0.006217	.0645	160836724.71
106B501032	Resistor	RT1,RT3,RT4,RT5, RT6	Telcordia Issue 1	Level I		5.00	0.011320	.2937	88338584.16
106B747030	Resistor	RT2	Telcordia Issue 1	Level I		1.00	0.011320	.0587	88338584.16
105A704729	Resistor	R1,R112,R258,R286, R340,R352,R385, R391,R45,R464,R564, R604,R606,R657, R669,R709,R717, R723,R725,R734, R739,R74,R746,R754, R756,R767,R786, R787,R796,R804, R815,R816,R817, R818	Telcordia Issue 1	Level I		34.00	0.002263	.3993	441839332.19
105A733009	Resistor	R22,R301,R336,R5, R6,R7	Telcordia Issue 1	Level I		6.00	0.002263	.0705	441839332.19
105A502033	Resistor	R100,R341,R63,R821, R822,R9	Telcordia Issue 1	Level I		6.00	0.002263	.0705	441839332.19
105A700139	Resistor	R11,R124,R13,R18, R23,R266,R269,R271, R282,R288,R30,R321, R322,R339,R384,R39, R432,R433,R434, R446,R477,R48,R484, R497,R50,R502,R520, R531,R56,R58,R630, R634,R687,R712, R747,R775	Telcordia Issue 1	Level I		36.00	0.002263	.4228	441839332.19
1050525524	Resistor	R19,R34	Telcordia Issue 1	Level I		2.00	0.002263	.0235	441839332.19

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105A515009	Resistor	R128,R136,R137, R173,R309,R310, R325,R326,R328, R696,R780,R784, R785,R92	Telcordia Issue 1	Level I		14.00	0.002263	.1644	441839332.19
105A510009	Resistor	R104,R105,R116, R569,R602,R615, R626,R636	Telcordia Issue 1	Level I		8.00	0.002263	.0940	441839332.19
1059704703	Resistor	R114	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
105A704334	Resistor	R133,R493	Telcordia Issue 1	Level I		2.00	0.002263	.0235	441839332.19
105A501523	Resistor	R138,R613	Telcordia Issue 1	Level I		2.00	0.002263	.0235	441839332.19
105A705623	Resistor	R163	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
105A508203	Resistor	R172,R176,R565	Telcordia Issue 1	Level I		3.00	0.002263	.0352	441839332.19
105A500139	Resistor	R180,R183,R207, R208,R256,R261, R300,R345,R346, R397,R555,R556, R677	Telcordia Issue 1	Level I		13.00	0.002263	.1527	441839332.19
105A502833	Resistor	R213	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
105A501233	Resistor	R214	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
105A506823	Resistor	R227,R251,R439	Telcordia Issue 1	Level I		3.00	0.002263	.0352	441839332.19
105A700103	Resistor	R240,R362,R377	Telcordia Issue 1	Level I		3.00	0.002263	.0352	441839332.19
105A503033	Resistor	R241	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
105A705609	Resistor	R267,R548,R716, R722,R724,R733	Telcordia Issue 1	Level I		6.00	0.002263	.0705	441839332.19
105A702209	Resistor	R270,R332,R478, R481,R545,R554, R561,R769,R772, R773	Telcordia Issue 1	Level I		10.00	0.002263	.1174	441839332.19
105A502003	Resistor	R292,R293	Telcordia Issue 1	Level I		2.00	0.002263	.0235	441839332.19
105A505103	Resistor	R294,R664	Telcordia Issue 1	Level I		2.00	0.002263	.0235	441839332.19
105A549969	Resistor	R296,R523,R568, R572,R623	Telcordia Issue 1	Level I		5.00	0.002263	.0587	441839332.19
105A549913	Resistor	R298,R624,R625	Telcordia Issue 1	Level I		3.00	0.002263	.0352	441839332.19
105A702263	Resistor	R302,R303,R698	Telcordia Issue 1	Level I		3.00	0.002263	.0352	441839332.19
1050519114	Resistor	R314	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
105A704733	Resistor	R319,R469	Telcordia Issue 1	Level I		2.00	0.002263	.0235	441839332.19
105A580613	Resistor	R320,R358	Telcordia Issue 1	Level I		2.00	0.002263	.0235	441839332.19
105A573213	Resistor	R323	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
105A507509	Resistor	R324,R327,R329, R424,R425,R426, R427,R503,R515	Telcordia Issue 1	Level I		9.00	0.002263	.1057	441839332.19
105A541233	Resistor	R330	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
105A556203	Resistor	R331	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19

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105A540213	Resistor	R351	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
105A512423	Resistor	R356	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
105A700233	Resistor	R363,R521	Telcordia Issue 1	Level I		2.00	0.002263	.0235	441839332.19
105A549903	Resistor	R366	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
105A514733	Resistor	R374	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
105A510523	Resistor	R387,R389	Telcordia Issue 1	Level I		2.00	0.002263	.0235	441839332.19
105A706803	Resistor	R388,R666	Telcordia Issue 1	Level I		2.00	0.002263	.0235	441839332.19
105A710053	Resistor	R390,R689	Telcordia Issue 1	Level I		2.00	0.013580	.1409	73639888.70
105A547033	Resistor	R394	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
1050530034	Resistor	R396	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
105A533213	Resistor	R412,R423	Telcordia Issue 1	Level I		2.00	0.002263	.0235	441839332.19
105A522663	Resistor	R429	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
105A537463	Resistor	R508	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
105A590963	Resistor	R513	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
105A515413	Resistor	R526	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
105A705123	Resistor	R527,R609	Telcordia Issue 1	Level I		2.00	0.002263	.0235	441839332.19
105A575003	Resistor	R528,R612	Telcordia Issue 1	Level I		2.00	0.002263	.0235	441839332.19
105A523713	Resistor	R539	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
105A532463	Resistor	R544	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
105A554963	Resistor	R551	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
105A501503	Resistor	R552,R627	Telcordia Issue 1	Level I		2.00	0.002263	.0235	441839332.19
105A522003	Resistor	R583,R587	Telcordia Issue 1	Level I		2.00	0.002263	.0235	441839332.19
105A510733	Resistor	R607	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
105A530113	Resistor	R614,R640,R641, R705	Telcordia Issue 1	Level I		4.00	0.002263	.0470	441839332.19
105A524963	Resistor	R639	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
105A513003	Resistor	R649	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
105A507533	Resistor	R683	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
105A517423	Resistor	R711	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
105A509133	Resistor	R714	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
1050582514	Resistor	R718	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
1059704761	Resistor	R720	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
105A705139	Resistor	R727,R728,R729, R732,R776	Telcordia Issue 1	Level I		5.00	0.002263	.0587	441839332.19
105A747003	Resistor	R731,R757	Telcordia Issue 1	Level I		2.00	0.002263	.0235	441839332.19
105A536513	Resistor	R748	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
105A501529	Resistor	R750	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
105A526113	Resistor	R761	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19

AAEON Reliability Prediction Report

Part Number 9697QM5702-D
Reference Des
Date 04. 30, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.90



Description Top-level assembly
File Name EPIC-QM57.RPJ
Time 2:35 下午
Failure Rate 19.271892
MTBF 51,889

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A701003	Resistor	R764	Telcordia Issue 1	Level I		1.00	0.002263	.0117	441839332.19
1059710001	Resistor	R802,R803,R810	Telcordia Issue 1	Level I		3.00	0.002263	.0352	441839332.19
1600000203	Connection	SW1	Telcordia Issue 1	Level I		1.00	0.001132	.0059	883385841.65
1189633160	Capacitor	TC1,TC10,TC11,TC12,TC13,TC14,TC15,TC16,TC17,TC18,TC19,TC20,TC21,TC22,TC24,TC27,TC28,TC5,TC6,TC7, TC8,TC9	Telcordia Issue 1	Level I		22.00	0.004527	.5167	220919666.10
1189915180	Capacitor	TC2,TC3,TC30,TC32	Telcordia Issue 1	Level I		4.00	0.004527	.0940	220919666.10
1182633080	Capacitor	TC4	Telcordia Issue 1	Level I		1.00	0.004527	.0235	220919666.10
14S5A00821	Integrated Circuit	U1,U12,U13,U15,U39,U43,U45,U46,U6,U7	Telcordia Issue 1	Level I		10.00	0.026029	1.3506	38418616.55
14S2047500	Integrated Circuit	U2,U8	Telcordia Issue 1	Level I		2.00	0.058933	.6116	16968377.18
14S4288200	Integrated Circuit	U3	Telcordia Issue 1	Level I		1.00	0.026029	.1351	38418616.55
14S5912300	Integrated Circuit	U5	Telcordia Issue 1	Level I		1.00	0.026029	.1351	38418616.55
14S9811500	Integrated Circuit	U9	Telcordia Issue 1	Level I		1.00	0.058933	.3058	16968377.18
14S82C6400	Integrated Circuit	U10	Telcordia Issue 1	Level I	12.10	1.00	0.051584	.2677	19385754.12
14S4BD8200	Integrated Circuit	U11	Telcordia Issue 1	Level I	8.30	1.00	0.041856	.2172	23891595.05
14S4036800	Integrated Circuit	U14	Telcordia Issue 1	Level I	15.00	1.00	0.167643	.8699	5965058.85
14S4021301	Integrated Circuit	U16,U24,U25,U48	Telcordia Issue 1	Level I		4.00	0.058933	1.2232	16968377.18
14S5A00401	Integrated Circuit	U17,U32	Telcordia Issue 1	Level I		2.00	0.026029	.2701	38418616.55
14S5812502	Integrated Circuit	U18	Telcordia Issue 1	Level I		1.00	0.026029	.1351	38418616.55
14S5A12506	Integrated Circuit	U19	Telcordia Issue 1	Level I		1.00	0.026029	.1351	38418616.55
14S3621601	Integrated Circuit	U20	Telcordia Issue 1	Level I		1.00	0.058933	.3058	16968377.18
1315889611	Semiconductor	U26	Telcordia Issue 1	Level I		1.00	0.079375	.4119	12598466.22
14S3387201	Integrated Circuit	U27	Telcordia Issue 1	Level I		1.00	0.058933	.3058	16968377.18
14S4048502	Integrated Circuit	U28,U49	Telcordia Issue 1	Level I		2.00	0.058933	.6116	16968377.18
14S3050500	Integrated Circuit	U30	Telcordia Issue 1	Level I	16.40	1.00	0.183886	.9542	5438138.00
14S3128421	Integrated Circuit	U31	Telcordia Issue 1	Level I		1.00	0.058933	.3058	16968377.18
14S4825740	Integrated Circuit	U33	Telcordia Issue 1	Level I	16.00	1.00	0.063589	.3300	15725943.75
14S4288100	Integrated Circuit	U35	Telcordia Issue 1	Level I		1.00	0.058933	.3058	16968377.18
1314780511	Integrated Circuit	U36	Telcordia Issue 1	Level I		1.00	0.058933	.3058	16968377.18
14S4081110	Integrated Circuit	U37	Telcordia Issue 1	Level I		1.00	0.058933	.3058	16968377.18
14S2048800	Integrated Circuit	U38	Telcordia Issue 1	Level I		1.00	0.031767	.1648	31479651.13
1315155510	Semiconductor	U40,U42,U47	Telcordia Issue 1	Level I		3.00	0.158749	2.4712	6299233.11
14S3170800	Integrated Circuit	U41	Telcordia Issue 1	Level I		1.00	0.058933	.3058	16968377.18

AAEON Reliability Prediction Report

Part Number 9697QM5702-D
Reference Des
Date 04. 30, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.90



Description Top-level assembly
File Name EPIC-QM57.RPJ
Time 2:35 下午
Failure Rate 19.271892
MTBF 51,889

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate,%	MTBF, Unit
14S4600004	Integrated Circuit	U44	Telcordia Issue 1	Level I		1.00	0.058933	.3058	16968377.18
14S4878100	Integrated Circuit	U50	Telcordia Issue 1	Level I		1.00	0.026029	.1351	38418616.55
14S6308001	Integrated Circuit	U51	Telcordia Issue 1	Level I		1.00	0.035621	.1848	28073518.38
1315686110	Semiconductor	U52,U56,U57	Telcordia Issue 1	Level I		3.00	0.079375	1.2356	12598466.22
14S4257701	Integrated Circuit	U53	Telcordia Issue 1	Level I		1.00	0.026029	.1351	38418616.55
14S2200900	Integrated Circuit	U54	Telcordia Issue 1	Level I		1.00	0.058933	.3058	16968377.18
14S9341101	Integrated Circuit	U55	Telcordia Issue 1	Level I		1.00	0.058933	.3058	16968377.18
14S3E00100	Integrated Circuit	U58	Telcordia Issue 1	Level I		1.00	0.058933	.3058	16968377.18
14S3S00900	Integrated Circuit	U59	Telcordia Issue 1	Level I		1.00	0.058933	.3058	16968377.18
123132505C	Miscellaneous	Y1,Y3,Y5	Telcordia Issue 1	Level I		3.00	0.150000	2.3350	6666666.67
123131435F	Miscellaneous	Y2	Telcordia Issue 1	Level I		1.00	0.150000	.7783	6666666.67
1231332722	Miscellaneous	Y4	Telcordia Issue 1	Level I		1.00	0.150000	.7783	6666666.67
1233332722	Miscellaneous	Y6	Telcordia Issue 1	Level I		1.00	0.360000	1.8680	2777777.78
1655902030	Connection	BAT1	Telcordia Issue 1	Level I		1.00	0.001132	.0059	883385841.65
175011901C	Miscellaneous	BAT2	Telcordia Issue 1	Level I		1.00	0.900000	4.6700	1111111.11
175910000B	Miscellaneous	BUZZ1	Telcordia Issue 1	Level I		1.00	0.150000	.7783	6666666.67
1655910131	Connection	CN1	Telcordia Issue 1	Level I		1.00	0.001132	.0059	883385841.65
1655305020	Connection	CN2	Telcordia Issue 1	Level I		1.00	0.002830	.0147	353354336.66
1655404020	Connection	CN5	Telcordia Issue 1	Level I		1.00	0.002264	.0117	441692920.82
1655003023	Connection	CN6	Telcordia Issue 1	Level I		1.00	0.042450	.2203	23556955.78
1655004011	Connection	CN7	Telcordia Issue 1	Level I		1.00	0.022640	.1175	44169292.08
1654409103	Connection	CN11	Telcordia Issue 1	Level I		1.00	0.127351	.6608	7852318.59
1654920302	Connection	CN12	Telcordia Issue 1	Level I		1.00	0.001132	.0059	883385841.65
1653130424	Connection	CN14	Telcordia Issue 1	Level I		1.00	0.067920	.3524	14723097.36
165320520E	Connection	CN17	Telcordia Issue 1	Level I		1.00	0.005660	.0294	176677168.33
1653005201	Connection	CN21	Telcordia Issue 1	Level I		1.00	0.005660	.0294	176677168.33
1655306023	Connection	CN23	Telcordia Issue 1	Level I		1.00	0.003396	.0176	294461947.22
1655909031	Connection	CN25,CN26,CN34	Telcordia Issue 1	Level I		3.00	0.005094	.0793	196307964.81
1655003010	Connection	CN28	Telcordia Issue 1	Level I		1.00	0.001698	.0088	588923894.43
165251420B	Connection	CN29,CN30	Telcordia Issue 1	Level I		2.00	0.001132	.0117	883385841.65
1654808309	Connection	CN31,CN32	Telcordia Issue 1	Level I		2.00	0.001132	.0117	883385841.65
1654430301	Connection	CN35	Telcordia Issue 1	Level I		1.00	0.016980	.0881	58892389.44
1653900034	Connection	CN36	Telcordia Issue 1	Level I		1.00	0.013584	.0705	73615486.80
1653003101	Connection	JP2	Telcordia Issue 1	Level I		1.00	0.001698	.0088	588923894.43
1653003201	Connection	JP3,JP4,JP6	Telcordia Issue 1	Level I		3.00	0.001132	.0176	883385841.65
1653002101	Connection	JP5	Telcordia Issue 1	Level I		1.00	0.001132	.0059	883385841.65

