

EPIC-9457B

Reliability Prediction Report (MTBF)

Report NO. : 10E070008

03-26-2010

Issue Date

Jansin Lee

Sr. Manager

Jessica Chou

Test Engineer

Reliability Prediction (MTBF)

I . Model Name: EPIC-9457-B10

II . Prediction Date: Mar. 26, 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: 25 degrees C
- Standard: Telcordia (Bellcore) Standard

VII. Term and Definition:

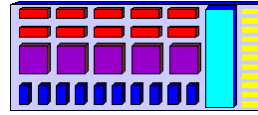
- Unit : An assembly of device.
- Duty Cycle : 100%
- Quantity : The quantity of the selected item.
- Failure Rate : Used to specify that the failure rate is to be calculated based the selected Calculation models. The multiplier is 1,000,000.
- MTBF : MTBF is always specified in hours.

VIII. Prediction Result:

- EPIC-9457-B10:
Failure Rate: 20.496546 ppm
MTBF: 48,789 Hours

AAEON Reliability Prediction Report

Part Number 9697945712-D
Reference Des
Date 03. 26, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description Top-level assembly
File Name EPIC-9457B.RPJ
Time 10:22 上午
Failure Rate 20.496546
MTBF 48,789

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
TF-EPIC-9457-B10	9697945712-D	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled	100.00	1.00	20.50	48788.71

AAEON Reliability Prediction Report

Part Number 9697945712-D
Reference Des
Date 03. 26, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00

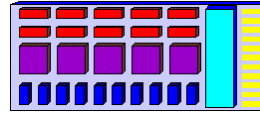


Description Top-level assembly
File Name EPIC-9457B.RPJ
Time 10:22 上午
Failure Rate 20.496546
MTBF 48,789

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1129710090	Capacitor	C161,C196,C197, C198,C199,C205, C227,C228,C97,C98	Telcordia Issue 1	Level I		10.00	0.004535	.2213	220487045.01
1124547290	Capacitor	C109,C111,C332, C335,C402,C405, C406,C408	Telcordia Issue 1	Level I		8.00	0.004535	.1770	220487045.01
1124410190	Capacitor	C123,C134,C136, C139,C141,C143, C145,C148,C152, C155,C156,C157, C158,C160,C162, C165,C180,C211, C288,C583	Telcordia Issue 1	Level I		20.00	0.004535	.4426	220487045.01
1124518280	Capacitor	C129	Telcordia Issue 1	Level I		1.00	0.004535	.0221	220487045.01
1129747090	Capacitor	C135,C669	Telcordia Issue 1	Level I		2.00	0.004535	.0443	220487045.01
11E9647680	Capacitor	C169,C286,C297, C327,C340,C346, C497,C501,C623, C632	Telcordia Issue 1	Level I		10.00	0.004535	.2213	220487045.01
11E1547090	Capacitor	C171,C641,C642	Telcordia Issue 1	Level I		3.00	0.004535	.0664	220487045.01
1124518180	Capacitor	C192	Telcordia Issue 1	Level I		1.00	0.004535	.0221	220487045.01
11A4415080	Capacitor	C193	Telcordia Issue 1	Level I		1.00	0.004535	.0221	220487045.01
11C4515190	Capacitor	C212,C213	Telcordia Issue 1	Level I		2.00	0.004535	.0443	220487045.01
1129722091	Capacitor	C255,C257,C258	Telcordia Issue 1	Level I		3.00	0.004535	.0664	220487045.01
11E2501080	Capacitor	C277,C597,C644	Telcordia Issue 1	Level I		3.00	0.004535	.0664	220487045.01
1129622050	Capacitor	C280,C281,C481, C485,C572,C573, C600,C624,C631	Telcordia Issue 1	Level I		9.00	0.004535	.1991	220487045.01
1121647480	Capacitor	C293,C294,C339, C378,C386,C394, C409,C427,C464, C465,C484,C488, C496	Telcordia Issue 1	Level I		13.00	0.004535	.2877	220487045.01
1122522890	Capacitor	C387,C392,C403, C407,C410,C416, C423	Telcordia Issue 1	Level I		7.00	0.004535	.1549	220487045.01
1124405080	Capacitor	C431,C434,C445, C454,C455,C458	Telcordia Issue 1	Level I		6.00	0.004535	.1328	220487045.01
1129522790	Capacitor	C432,C435,C446, C451,C453,C475	Telcordia Issue 1	Level I		6.00	0.004535	.1328	220487045.01
1124547190	Capacitor	C476,C519,C602, C603,C646,C648, C650,C651,C656, C662,C665,C667	Telcordia Issue 1	Level I		12.00	0.004535	.2655	220487045.01
11C4510380	Capacitor	C645	Telcordia Issue 1	Level I		1.00	0.004535	.0221	220487045.01
1301005440	Semiconductor	D1,D17,D26,D28,D29, D31	Telcordia Issue 1	Level I		6.00	0.023881	.6991	41874327.58

AAEON Reliability Prediction Report

Part Number 9697945712-D
Reference Des
Date 03. 26, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description Top-level assembly
File Name EPIC-9457B.RPJ
Time 10:22 上午
Failure Rate 20.496546
MTBF 48,789

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1301005442	Semiconductor	D12,D2,D27,D3,D4	Telcordia Issue 1	Level I		5.00	0.023881	.5826	41874327.58
1305100541	Semiconductor	D13,D14,D15,D16, D19,D20,D21,D22, D33,D34,D35,D41, D42,D43,D44,D45,D5, D6,D7,D8,D9	Telcordia Issue 1	Level I		21.00	0.023881	2.4468	41874327.58
1300001440	Semiconductor	D10,D11,D46,D47, D48	Telcordia Issue 1	Level I		5.00	0.023881	.5826	41874327.58
1301053040	Semiconductor	D23,D38,D40	Telcordia Issue 1	Level I		3.00	0.023881	.3495	41874327.58
1300581940	Semiconductor	D24,D30,D32	Telcordia Issue 1	Level I		3.00	0.079603	1.1651	12562298.27
1305099140	Semiconductor	D36,D37	Telcordia Issue 1	Level I		2.00	0.079603	.7767	12562298.27
1301002240	Semiconductor	D39	Telcordia Issue 1	Level I		1.00	0.023881	.1165	41874327.58
105A700003	Resistor	FB1,FB2,FB22,FB24, FB3,R186,R194,R224, R239,R242,R260, R269,R272,R484, R487,R55,R560,R564, R572,R588	Telcordia Issue 1	Level I		20.00	0.002268	.2213	440974090.03
1059700001	Resistor	FB14,FB15,FB20, FB21,FB4,FB47,FB5, R12,R192,R201,R22, R355,R447,R462, R464,R482	Telcordia Issue 1	Level I		16.00	0.002268	.1770	440974090.03
1212306035	Inductor	FB10,FB11,FB23, FB25,FB26,FB27, FB28,FB29,FB33, FB34,FB35,FB36, FB37,FB38,FB43, FB44,FB6,FB7,FB9	Telcordia Issue 1	Level I		19.00	0.002268	.2102	440974090.03
121230603S	Inductor	FB12,FB19,FB30, FB45,FB46,FB48, FB50,FB51,FB52, FB53,FB54,FB55,FB8	Telcordia Issue 1	Level I		13.00	0.002268	.1438	440974090.03
1211100102	Inductor	FB13,FB32	Telcordia Issue 1	Level I		2.00	0.086173	.8409	11604581.32
12123C0005	Inductor	FB16,FB17,FB18	Telcordia Issue 1	Level I		3.00	0.002268	.0332	440974090.03
12123B0006	Inductor	FB31	Telcordia Issue 1	Level I		1.00	0.002268	.0111	440974090.03
121230603Z	Inductor	FB40,FB41,FB42	Telcordia Issue 1	Level I		3.00	0.002268	.0332	440974090.03
1752000501	Miscellaneous	FS1,FS2,FS3,FS4	Telcordia Issue 1	Level I		4.00	0.003000	.0585	33333333.33
1653003202	Connection	JP3,JP5,JP7	Telcordia Issue 1	Level I		3.00	0.003414	.0500	292926756.90
1304001340	Semiconductor	LED1,LED2,LED3	Telcordia Issue 1	Level I		3.00	0.004877	.0714	205063180.81
121110226C	Inductor	L1	Telcordia Issue 1	Level I	26.70	1.00	0.139286	.6796	7179488.15
121110226C	Inductor	L6	Telcordia Issue 1	Level I	17.70	1.00	0.119551	.5833	8364605.66
121110226C	Inductor	L10	Telcordia Issue 1	Level I	16.80	1.00	0.117682	.5742	8497464.31
121110226C	Inductor	L7	Telcordia Issue 1	Level I	18.60	1.00	0.121439	.5925	8234562.55

AAEON Reliability Prediction Report

Part Number 9697945712-D
Reference Des
Date 03. 26, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description Top-level assembly
File Name EPIC-9457B.RPJ
Time 10:22 上午
Failure Rate 20.496546
MTBF 48,789

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1214309006	Inductor	L13,L14,L4,L5,L8, L9	Telcordia Issue 1	Level I		6.00	0.002268	.0664	440974090.03
1211101005	Inductor	L11,L12	Telcordia Issue 1	Level I		2.00	0.002268	.0221	440974090.03
1315700217	Semiconductor	Q1,Q10,Q11,Q12,Q15, Q16,Q17,Q19,Q20, Q21,Q27,Q28,Q29, Q30,Q34,Q35,Q37, Q47,Q49,Q51,Q52,Q6, Q7,Q8,Q9	Telcordia Issue 1	Level I		25.00	0.079603	9.7094	12562298.27
1315230511	Semiconductor	Q2,Q32	Telcordia Issue 1	Level I		2.00	0.079603	.7767	12562298.27
1315441012	Semiconductor	Q24,Q26,Q4,Q44	Telcordia Issue 1	Level I		4.00	0.079603	1.5535	12562298.27
1315441012	Semiconductor	Q42	Telcordia Issue 1	Level I	14.10	1.00	0.117211	.5719	8531602.53
1315441012	Semiconductor	Q3	Telcordia Issue 1	Level I	22.10	1.00	0.143790	.7015	6954598.28
1310390413	Semiconductor	Q14,Q18,Q22,Q31, Q33,Q43,Q5	Telcordia Issue 1	Level I		7.00	0.023881	.8156	41874327.58
1311390612	Semiconductor	Q13,Q38	Telcordia Issue 1	Level I		2.00	0.023881	.2330	41874327.58
14S3524700	Integrated Circuit	Q36	Telcordia Issue 1	Level I		1.00	0.059366	.2896	16844654.92
14S3524701	Integrated Circuit	Q23	Telcordia Issue 1	Level I		1.00	0.059366	.2896	16844654.92
1315230300	Semiconductor	Q39	Telcordia Issue 1	Level I		1.00	0.079603	.3884	12562298.27
1311138610	Semiconductor	Q40,Q41	Telcordia Issue 1	Level I		2.00	0.023881	.2330	41874327.58
1540782282	Resistor	RP2,RP20,RP4,RP5, RP6,RP7	Telcordia Issue 1	Level I		6.00	0.012492	.3657	80051386.00
1540710382	Resistor	RP3,RP8	Telcordia Issue 1	Level I		2.00	0.006246	.0609	160102772.00
1540710084	Resistor	RP10,RP11,RP12, RP13,RP14,RP15, RP16,RP17,RP18, RP21,RP23,RP9	Telcordia Issue 1	Level I		12.00	0.006246	.3657	160102772.00
1540710280	Resistor	RP19,RP22	Telcordia Issue 1	Level I		2.00	0.006246	.0609	160102772.00
106B501032	Resistor	RT1,RT2,RT3	Telcordia Issue 1	Level I		3.00	0.002268	.0332	440974090.03
1059510031	Resistor	RT4	Telcordia Issue 1	Level I		1.00	0.002268	.0111	440974090.03
105A733009	Resistor	R1,R4,R523,R6,R615, R618	Telcordia Issue 1	Level I		6.00	0.002268	.0664	440974090.03

AAEON Reliability Prediction Report

Part Number 9697945712-D
Reference Des
Date 03. 26, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description Top-level assembly
File Name EPIC-9457B.RPJ
Time 10:22 上午
Failure Rate 20.496546
MTBF 48,789

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A700139	Resistor	R122,R129,R143, R151,R160,R162, R163,R166,R167, R172,R193,R196, R264,R271,R275, R295,R31,R313,R338, R479,R499,R500, R501,R540,R543,R56, R562,R60,R70,R75, R76,R90	Telcordia Issue 1	Level I		32.00	0.002268	.3540	440974090.03
105A702229	Resistor	R134,R136,R229, R261,R265,R266, R299,R306,R308, R309,R32,R35,R373, R382,R448,R497,R91	Telcordia Issue 1	Level I		17.00	0.002268	.1881	440974090.03
105A517423	Resistor	R185,R37	Telcordia Issue 1	Level I		2.00	0.002268	.0221	440974090.03
105A507533	Resistor	R38	Telcordia Issue 1	Level I		1.00	0.002268	.0111	440974090.03
105A701009	Resistor	R182,R187,R200, R276,R524,R552, R597	Telcordia Issue 1	Level I		7.00	0.002268	.0774	440974090.03
105A702209	Resistor	R202,R203,R220, R288,R292,R45,R559, R613	Telcordia Issue 1	Level I		8.00	0.002268	.0885	440974090.03
105A708229	Resistor	R104,R105,R106, R107,R117,R190, R244,R245,R248, R317,R320,R325, R401,R402,R403, R405,R476,R53,R568, R598	Telcordia Issue 1	Level I		20.00	0.002268	.2213	440974090.03
105A700103	Resistor	R69	Telcordia Issue 1	Level I		1.00	0.002268	.0111	440974090.03
105A710053	Resistor	R124,R494,R71	Telcordia Issue 1	Level I		3.00	0.013606	.1991	73495681.67
105A705139	Resistor	R154,R170,R365, R496,R72,R84	Telcordia Issue 1	Level I		6.00	0.002268	.0664	440974090.03
105A705609	Resistor	R169,R177,R364, R374,R379,R384, R389,R390,R393, R394,R399,R408, R412,R413,R415, R416,R421,R422, R425,R432,R433, R439,R441,R442, R445,R450,R454, R457,R461,R463, R491,R492,R536, R537,R548,R549, R554,R567,R571,	Telcordia Issue 1	Level I		41.00	0.002268	.4536	440974090.03

AAEON Reliability Prediction Report

Part Number 9697945712-D
Reference Des
Date 03. 26, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description Top-level assembly
File Name EPIC-9457B.RPJ
Time 10:22 上午
Failure Rate 20.496546
MTBF 48,789

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1050512164	Resistor	R133,R135,R92,R93	Telcordia Issue 1	Level I		4.00	0.002268	.0443	440974090.03
105A520003	Resistor	R118,R267,R345	Telcordia Issue 1	Level I		3.00	0.002268	.0332	440974090.03
105A533003	Resistor	R119,R268	Telcordia Issue 1	Level I		2.00	0.002268	.0221	440974090.03
105A747003	Resistor	R120,R121	Telcordia Issue 1	Level I		2.00	0.002268	.0221	440974090.03
105A501413	Resistor	R125	Telcordia Issue 1	Level I		1.00	0.002268	.0111	440974090.03
105A515009	Resistor	R141,R142,R148, R149,R150,R155, R205,R207,R209, R385,R386,R392, R424,R426,R428, R434,R455,R460	Telcordia Issue 1	Level I		18.00	0.002268	.1991	440974090.03
105A502833	Resistor	R147,R179	Telcordia Issue 1	Level I		2.00	0.002268	.0221	440974090.03
105A501233	Resistor	R161,R599	Telcordia Issue 1	Level I		2.00	0.002268	.0221	440974090.03
105A512033	Resistor	R184	Telcordia Issue 1	Level I		1.00	0.002268	.0111	440974090.03
105A523713	Resistor	R188	Telcordia Issue 1	Level I		1.00	0.002268	.0111	440974090.03
105A513033	Resistor	R189,R604	Telcordia Issue 1	Level I		2.00	0.002268	.0221	440974090.03
105A730033	Resistor	R198	Telcordia Issue 1	Level I		1.00	0.002268	.0111	440974090.03
105A506823	Resistor	R525,R539	Telcordia Issue 1	Level I		2.00	0.002268	.0221	440974090.03
105A507509	Resistor	R204,R206,R208	Telcordia Issue 1	Level I		3.00	0.002268	.0332	440974090.03
105A549903	Resistor	R210,R446	Telcordia Issue 1	Level I		2.00	0.002268	.0221	440974090.03
105A701533	Resistor	R213,R580	Telcordia Issue 1	Level I		2.00	0.002268	.0221	440974090.03
105A710039	Resistor	R216,R217,R343, R344,R409,R521, R542,R582	Telcordia Issue 1	Level I		8.00	0.002268	.0885	440974090.03
105A502423	Resistor	R231	Telcordia Issue 1	Level I		1.00	0.002268	.0111	440974090.03
105A501039	Resistor	R232,R233,R234, R273,R423,R438	Telcordia Issue 1	Level I		6.00	0.002268	.0664	440974090.03
105A540213	Resistor	R235	Telcordia Issue 1	Level I		1.00	0.002268	.0111	440974090.03
105A507523	Resistor	R270	Telcordia Issue 1	Level I		1.00	0.002268	.0111	440974090.03
105A522663	Resistor	R280	Telcordia Issue 1	Level I		1.00	0.002268	.0111	440974090.03
105A509133	Resistor	R286	Telcordia Issue 1	Level I		1.00	0.002268	.0111	440974090.03
1050524904	Resistor	R300,R316,R395, R407,R468,R486	Telcordia Issue 1	Level I		6.00	0.002268	.0664	440974090.03
105A510009	Resistor	R302,R340,R347, R361,R436,R459, R485,R490,R576, R585,R616,R617,R7	Telcordia Issue 1	Level I		13.00	0.002268	.1438	440974090.03
105A717433	Resistor	R307	Telcordia Issue 1	Level I		1.00	0.002268	.0111	440974090.03
105A703909	Resistor	R319,R330,R331, R348,R378,R383	Telcordia Issue 1	Level I		6.00	0.002268	.0664	440974090.03

AAEON Reliability Prediction Report

Part Number 9697945712-D
Reference Des
Date 03. 26, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00

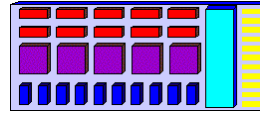


Description Top-level assembly
File Name EPIC-9457B.RPJ
Time 10:22 上午
Failure Rate 20.496546
MTBF 48,789

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A701003	Resistor	R353,R388	Telcordia Issue 1	Level I		2.00	0.002268	.0221	440974090.03
105A733033	Resistor	R354	Telcordia Issue 1	Level I		1.00	0.002268	.0111	440974090.03
105A710033	Resistor	R381	Telcordia Issue 1	Level I		1.00	0.002268	.0111	440974090.03
105A525503	Resistor	R387	Telcordia Issue 1	Level I		1.00	0.002268	.0111	440974090.03
105A580663	Resistor	R449,R452	Telcordia Issue 1	Level I		2.00	0.002268	.0221	440974090.03
105A522103	Resistor	R465,R489	Telcordia Issue 1	Level I		2.00	0.002268	.0221	440974090.03
105A554969	Resistor	R467,R488,R538, R558	Telcordia Issue 1	Level I		4.00	0.002268	.0443	440974090.03
105A549919	Resistor	R411,R505,R511, R544,R545,R573, R575	Telcordia Issue 1	Level I		7.00	0.002268	.0774	440974090.03
105A705123	Resistor	R516	Telcordia Issue 1	Level I		1.00	0.002268	.0111	440974090.03
105A500139	Resistor	R517,R547,R557, R581,R586,R592, R593,R594,R595	Telcordia Issue 1	Level I		9.00	0.002268	.0996	440974090.03
105A547033	Resistor	R526	Telcordia Issue 1	Level I		1.00	0.002268	.0111	440974090.03
105A527463	Resistor	R527,R565	Telcordia Issue 1	Level I		2.00	0.002268	.0221	440974090.03
105A510733	Resistor	R530	Telcordia Issue 1	Level I		1.00	0.002268	.0111	440974090.03
105A503033	Resistor	R531	Telcordia Issue 1	Level I		1.00	0.002268	.0111	440974090.03
105A500239	Resistor	R533,R578,R587	Telcordia Issue 1	Level I		3.00	0.002268	.0332	440974090.03
105A706803	Resistor	R561	Telcordia Issue 1	Level I		1.00	0.002268	.0111	440974090.03
105A588703	Resistor	R610	Telcordia Issue 1	Level I		1.00	0.002268	.0111	440974090.03
105A501223	Resistor	R611	Telcordia Issue 1	Level I		1.00	0.002268	.0111	440974090.03
1189633160	Capacitor	TC1,TC10,TC16,TC17, TC19,TC20,TC21, TC22,TC23,TC24, TC25,TC4,TC9	Telcordia Issue 1	Level I		13.00	0.004535	.2877	220487045.01
1142522080	Capacitor	TC5	Telcordia Issue 1	Level I		1.00	0.004535	.0221	220487045.01
1189647180	Capacitor	TC31	Telcordia Issue 1	Level I	27.10	1.00	0.007379	.0360	135513758.38
1189647180	Capacitor	TC32	Telcordia Issue 1	Level I	24.40	1.00	0.007056	.0344	141726581.31
14S2041500	Integrated Circuit	U1	Telcordia Issue 1	Level I		1.00	0.059366	.2896	16844654.92
1315155510	Semiconductor	U3,U4,U5	Telcordia Issue 1	Level I		3.00	0.159207	2.3302	6281149.14
14S3065500	Integrated Circuit	U8	Telcordia Issue 1	Level I	22.10	1.00	0.267426	1.3047	3739356.70
14S6863100	Integrated Circuit	U44	Telcordia Issue 1	Level I	25.30	1.00	0.176220	.8598	5674725.59
14S6863100	Integrated Circuit	U45	Telcordia Issue 1	Level I	30.10	1.00	0.236443	1.1536	4229346.46
14S6863100	Integrated Circuit	U48	Telcordia Issue 1	Level I	29.90	1.00	0.233605	1.1397	4280733.64
14S6863100	Integrated Circuit	U52	Telcordia Issue 1	Level I	30.20	1.00	0.237874	1.1606	4203906.89
14S6863100	Integrated Circuit	U9	Telcordia Issue 1	Level I	32.50	1.00	0.273006	1.3320	3662925.50
14S6863100	Integrated Circuit	U14	Telcordia Issue 1	Level I	31.60	1.00	0.258739	1.2624	3864901.96
14S6863100	Integrated Circuit	U22	Telcordia Issue 1	Level I	29.70	1.00	0.230797	1.1260	4332810.07

AAEON Reliability Prediction Report

Part Number 9697945712-D
Reference Des
Date 03. 26, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description Top-level assembly
File Name EPIC-9457B.RPJ
Time 10:22 上午
Failure Rate 20.496546
MTBF 48,789

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
14S6863100	Integrated Circuit	U32	Telcordia Issue 1	Level I	26.20	1.00	0.186329	.9091	5366837.24
14S428010D	Integrated Circuit	U11	Telcordia Issue 1	Level I	33.30	1.00	0.152307	.7431	6565669.62
14S4021301	Integrated Circuit	U12	Telcordia Issue 1	Level I	17.20	1.00	0.195066	.9517	5126471.01
14S4021301	Integrated Circuit	U16	Telcordia Issue 1	Level I	15.30	1.00	0.172146	.8399	5809016.07
14S4021301	Integrated Circuit	U21	Telcordia Issue 1	Level I	15.90	1.00	0.179106	.8738	5583277.24
14S4021301	Integrated Circuit	U29	Telcordia Issue 1	Level I	13.10	1.00	0.148667	.7253	6726453.78
14S5A00700	Integrated Circuit	U13	Telcordia Issue 1	Level I	18.80	1.00	0.071395	.3483	14006594.38
14S4294502	Integrated Circuit	U15	Telcordia Issue 1	Level I	19.60	1.00	0.077184	.3766	12956076.40
14S4048502	Integrated Circuit	U18	Telcordia Issue 1	Level I	15.70	1.00	0.176759	.8624	5657436.29
14S4048502	Integrated Circuit	U24	Telcordia Issue 1	Level I	15.30	1.00	0.172146	.8399	5809016.07
14S5A12506	Integrated Circuit	U19	Telcordia Issue 1	Level I		1.00	0.026183	.1277	38193355.79
1314108412	Integrated Circuit	U43	Telcordia Issue 1	Level I	29.90	1.00	0.433383	2.1144	2307430.37
1314108412	Integrated Circuit	U20	Telcordia Issue 1	Level I		1.00	0.059366	.2896	16844654.92
14S3050100	Integrated Circuit	U23	Telcordia Issue 1	Level I	34.60	1.00	0.573405	2.7976	1743967.10
14S4195710	Integrated Circuit	U26	Telcordia Issue 1	Level I		1.00	0.059366	.2896	16844654.92
14S5812502	Integrated Circuit	U27	Telcordia Issue 1	Level I		1.00	0.026183	.1277	38193355.79
14S5A00401	Integrated Circuit	U28	Telcordia Issue 1	Level I		1.00	0.026183	.1277	38193355.79
14S4878100	Integrated Circuit	U30	Telcordia Issue 1	Level I	20.10	1.00	0.079204	.3864	12625625.92
14S3387201	Integrated Circuit	U31	Telcordia Issue 1	Level I		1.00	0.059366	.2896	16844654.92
14S9811500	Integrated Circuit	U33	Telcordia Issue 1	Level I		1.00	0.059366	.2896	16844654.92
14S4825740	Integrated Circuit	U34	Telcordia Issue 1	Level I	22.40	1.00	0.089107	.4347	11222490.21
14S4825740	Integrated Circuit	U35	Telcordia Issue 1	Level I	25.30	1.00	0.103130	.5032	9696527.62
14S3128421	Integrated Circuit	U36	Telcordia Issue 1	Level I	11.70	1.00	0.135275	.6600	7392359.48
14S5912300	Integrated Circuit	U37	Telcordia Issue 1	Level I		1.00	0.026183	.1277	38193355.79
14S4160020	Integrated Circuit	U38	Telcordia Issue 1	Level I	24.70	1.00	0.100079	.4883	9992058.34
14S2048800	Integrated Circuit	U39	Telcordia Issue 1	Level I		1.00	0.032000	.1561	31250122.20
14S2045400	Integrated Circuit	U40	Telcordia Issue 1	Level I		1.00	0.059366	.2896	16844654.92
14S4730802	Integrated Circuit	U41	Telcordia Issue 1	Level I	29.00	1.00	0.410383	2.0022	2436748.16
1314570810	Semiconductor	U46	Telcordia Issue 1	Level I	25.40	1.00	0.093586	.4566	10685310.79
1654903900	Connection	U47	Telcordia Issue 1	Level I		1.00	0.001138	.0056	878780270.71
14S6308001	Integrated Circuit	U50	Telcordia Issue 1	Level I	23.40	1.00	0.175468	.8561	5699042.86
14S6308001	Integrated Circuit	U49	Telcordia Issue 1	Level I	18.40	1.00	0.127489	.6220	7843795.85
14S4686200	Integrated Circuit	U51,U54,U55	Telcordia Issue 1	Level I		3.00	0.059366	.8689	16844654.92
14S4730701	Integrated Circuit	U56	Telcordia Issue 1	Level I	27.30	1.00	0.369913	1.8048	2703341.23
14S2200900	Integrated Circuit	U57	Telcordia Issue 1	Level I		1.00	0.059366	.2896	16844654.92
1231332721	Miscellaneous	Y1	Telcordia Issue 1	Level I		1.00	0.150000	.7318	6666666.67

AAEON Reliability Prediction Report

Part Number 9697945712-D
Reference Des
Date 03. 26, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00

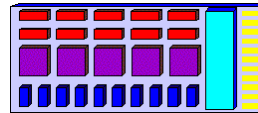


Description Top-level assembly
File Name EPIC-9457B.RPJ
Time 10:22 上午
Failure Rate 20.496546
MTBF 48,789

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
123131435B	Miscellaneous	Y2,Y5	Telcordia Issue 1	Level I		2.00	0.150000	1.4637	6666666.67
1231325058	Miscellaneous	Y3,Y4	Telcordia Issue 1	Level I		2.00	0.150000	1.4637	6666666.67
105A501529	Resistor	R321	Telcordia Issue 1	Level I		1.00	0.002268	.0111	440974090.03
1301400642	Semiconductor	D49,D50	Telcordia Issue 1	Level I		2.00	0.023881	.2330	41874327.58
14S5A00820	Integrated Circuit	U58	Telcordia Issue 1	Level I		1.00	0.025195	.1229	39690712.96
1189615151	Capacitor	TC12,TC2,TC26,TC27,TC28,TC3,TC33,TC34,TC35,TC36,TC37,TC38,TC6,TC7,TC8	Telcordia Issue 1	Level I		15.00	0.004535	.3319	220487045.01
105A700109	Resistor	R40	Telcordia Issue 1	Level I		1.00	0.002268	.0111	440974090.03
121110156A	Inductor	L2	Telcordia Issue 1	Level I	18.20	1.00	0.120598	.5884	8292016.50
121110156A	Inductor	L3	Telcordia Issue 1	Level I	19.10	1.00	0.122496	.5976	8163505.55
1124433090	Capacitor	C260	Telcordia Issue 1	Level I		1.00	0.004535	.0221	220487045.01
1189622150	Capacitor	TC11,TC13,TC14, TC15,TC18	Telcordia Issue 1	Level I		5.00	0.004535	.1106	220487045.01
1315422410	Semiconductor	Q25,Q45,Q50	Telcordia Issue 1	Level I		3.00	0.079603	1.1651	12562298.27
14S4600004	Integrated Circuit	U7	Telcordia Issue 1	Level I		1.00	0.059366	.2896	16844654.92
1189633193	Capacitor	TC29	Telcordia Issue 1	Level I	10.90	1.00	0.005573	.0272	179430358.40
1189633193	Capacitor	TC30	Telcordia Issue 1	Level I	12.00	1.00	0.005686	.0277	175879290.17
1600010203	Connection	S1	Telcordia Issue 1	Level I		1.00	0.001138	.0056	878780270.71
14S6340229	Integrated Circuit	U53	Telcordia Issue 1	Level I	21.10	1.00	0.111479	.5439	8970313.05
175011901C	Miscellaneous	BAT1	Telcordia Issue 1	Level I		1.00	0.900000	4.3910	1111111.11
175910000B	Miscellaneous	BUZZ1	Telcordia Issue 1	Level I		1.00	0.150000	.7318	6666666.67
1655910131	Connection	CN1	Telcordia Issue 1	Level I		1.00	0.001138	.0056	878780270.71
1655305020	Connection	CN13,CN2	Telcordia Issue 1	Level I		2.00	0.002845	.0278	351512108.28
1655902030	Connection	BAT1	Telcordia Issue 1	Level I		1.00	0.001138	.0056	878780270.71
1655003023	Connection	CN4	Telcordia Issue 1	Level I		1.00	0.042673	.2082	23434140.55
1655404020	Connection	CN5	Telcordia Issue 1	Level I		1.00	0.002276	.0111	439390135.35
1653130424	Connection	CN10	Telcordia Issue 1	Level I		1.00	0.068276	.3331	14646337.85
165320520E	Connection	CN12,CN16	Telcordia Issue 1	Level I		2.00	0.005690	.0555	175756054.14
1655003010	Connection	CN15	Telcordia Issue 1	Level I		1.00	0.001707	.0083	585853513.81
1655004011	Connection	CN17	Telcordia Issue 1	Level I		1.00	0.022759	.1110	43939013.54
1655306024	Connection	CN19	Telcordia Issue 1	Level I		1.00	0.003414	.0167	292926756.90
1655909031	Connection	CN21,CN22	Telcordia Issue 1	Level I		2.00	0.005121	.0500	195284504.60
165251420B	Connection	CN24,CN25	Telcordia Issue 1	Level I		2.00	0.001138	.0111	878780270.71
1654418103	Connection	CN26	Telcordia Issue 1	Level I		1.00	0.010241	.0500	97642252.30
1654445300	Connection	CN27	Telcordia Issue 1	Level I		1.00	0.025604	.1249	39056900.92
1653222200	Connection	IDE1	Telcordia Issue 1	Level I		1.00	0.025035	.1221	39944557.76

AAEON Reliability Prediction Report

Part Number 9697945712-D
Reference Des
Date 03. 26, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description Top-level assembly
File Name EPIC-9457B.RPJ
Time 10:22 上午
Failure Rate 20.496546
MTBF 48,789

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate,%	MTBF, Unit
1653003101	Connection	JP1,JP6	Telcordia Issue 1	Level I		2.00	0.001707	.0167	585853513.81
1653003100	Connection	JP2	Telcordia Issue 1	Level I		1.00	0.001707	.0083	585853513.81
1653002101	Connection	JP4	Telcordia Issue 1	Level I		1.00	0.001138	.0056	878780270.71
165480830A	Connection	USB1,USB2	Telcordia Issue 1	Level I		2.00	0.001138	.0111	878780270.71
14S6201601	Integrated Circuit	U10	Telcordia Issue 1	Level I		1.00	0.167136	.8154	5983167.80
1654907002	Connection	SATA1,SATA2	Telcordia Issue 1	Level I		2.00	0.003983	.0389	251080077.35
1653900039	Connection	CN29	Telcordia Issue 1	Level I		1.00	0.001138	.0056	878780270.71
1653900092	Connection	CN29	Telcordia Issue 1	Level I		1.00	0.001138	.0056	878780270.71