

COM-915+ECB-915A Reliability Prediction Report (MTBF)

Report NO : 06E070008

6-27-2006

Issue Date

Wenyuan Yang

Manager

Jessica Chou

Test Engineer

Reliability Prediction (MTBF)

I . **Model Name:** COM-915+ECB-915A

II . **Prediction Date:** Jun. 27, 2006

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

IV . **Predicted by:** Jessica Chou

V . **Equipment:** Relex Ver.7.3 Visual Reliability Software

VI. Simulation Environment:

- Temperature: 22 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:

- COM-915+ECB-915A
 - Failure Rate: 17.913590 ppm
 - MTBF: 55,824 Hours

AAEON Reliability Prediction Report

Part Number 9697081002+9697915A02
Reference Des
Date 06. 27, 2006
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 22.00

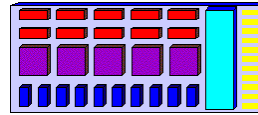


Description Top-level assembly
File Name COM915+ECB915A.RPJ
Time 1:41 下午
Failure Rate 17.913590
MTBF 55,824

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
COM-810 + ECB-915A	9697081002+969-7915A02	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	17.913590	55,824
COM-810	9697081002	Bellcore	Method I Case 3	GF, GU - Ground Fixed,		1.00	7.181077	139,255
ECB-915A	9697915A02	Bellcore	Method I Case 3	GF, GU - Ground Fixed,		1.00	10.732513	93,175

AAEON Reliability Prediction Report

Part Number 9697081002
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Temp. (°C) 22.00



Description
File Name COM915+ECB915A.RPJ
Time 1:41 下午
Failure Rate 7.181077
MTBF 139,255

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1653002101	Connection	JP1	Bellcore Issue 6	Level I		0.000971	1.00	.0135	0.000971	1029564647.12
14S6200403	Integrated Circuit	U7	Bellcore Issue 6	Level I		0.121640	1.00	1.6939	0.121640	8220987.21
105A500233	Resistor	R23,R304	Bellcore Issue 6	Level I		0.002137	2.00	.0595	0.004274	467953897.71
105A512103	Resistor	R278,R279	Bellcore Issue 6	Level I		0.002137	2.00	.0595	0.004274	467953897.71
105A700003	Resistor	R22,R277,R280,R283,R288,R289,- R292,R308,R318,R322-R326,R92	Bellcore Issue 6	Level I		0.002137	15.00	.4464	0.032054	467953897.71
105A701003	Resistor	R135,R275,R286	Bellcore Issue 6	Level I		0.002137	3.00	.0893	0.006411	467953897.71
105A701053	Resistor	R102	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
1059700001	Resistor	R320,R328,R343,R349,R91	Bellcore Issue 6	Level I		0.002137	5.00	.1488	0.010685	467953897.71
105A710053	Resistor	R132	Bellcore Issue 6	Level I		0.012822	1.00	.1785	0.012822	77992316.28
105A500133	Resistor	R139,R21,R291,R301,R93	Bellcore Issue 6	Level I		0.002137	5.00	.1488	0.010685	467953897.71
105A501223	Resistor	R317	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
105A502033	Resistor	R123,R297	Bellcore Issue 6	Level I		0.002137	2.00	.0595	0.004274	467953897.71
105A503323	Resistor	R293	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
105A510003	Resistor	R134,R28,R32,R36	Bellcore Issue 6	Level I		0.002137	4.00	.1190	0.008548	467953897.71
105A510033	Resistor	R310	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
105A511503	Resistor	R220	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
105A515003	Resistor	R13,R17,R41-R43,R50-R52	Bellcore Issue 6	Level I		0.002137	8.00	.2381	0.017096	467953897.71
105A518703	Resistor	R224	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
105A549913	Resistor	R58	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
105A554903	Resistor	R266	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
105A556003	Resistor	R282	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
105A561903	Resistor	R265	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
105A701523	Resistor	R59	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
105A702233	Resistor	R255	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
105A703903	Resistor	R53,R54	Bellcore Issue 6	Level I		0.002137	2.00	.0595	0.004274	467953897.71
105A768003	Resistor	R18	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
1212306030	Inductor	L14,L18,L19	Bellcore Issue 6	Level I		0.002137	3.00	.0893	0.006411	467953897.71
1231332721	Miscellaneous	Y1	Bellcore Issue 6	Level I		0.150000	1.00	2.0888	0.150000	6666666.67
1121722650	Capacitor	C303-C305,C309,C310,C336,C370	Bellcore Issue 6	Level I		0.004274	7.00	.4166	0.029917	233976948.85
1121733780	Capacitor	C372,C382	Bellcore Issue 6	Level I		0.004274	2.00	.1190	0.008548	233976948.85

AAEON Reliability Prediction Report

Part Number 9697081002
Reference Des
Date 06. 27, 2006
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 22.00



Description
File Name COM915+ECB915A.RPJ
Time 1:41 下午
Failure Rate 7.181077
MTBF 139,255

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1122722780	Capacitor	C102,C103,C116,C120,C124,C129-C131,C133	Bellcore Issue 6	Level I		0.004274	8.00	.4761	0.034191	233976948.85
1124515850	Capacitor	C387	Bellcore Issue 6	Level I		0.004274	1.00	.0595	0.004274	233976948.85
1124522280	Capacitor	C383	Bellcore Issue 6	Level I		0.004274	1.00	.0595	0.004274	233976948.85
1124527850	Capacitor	C368	Bellcore Issue 6	Level I		0.004274	1.00	.0595	0.004274	233976948.85
1124556180	Capacitor	C389	Bellcore Issue 6	Level I		0.004274	1.00	.0595	0.004274	233976948.85
1540710380	Resistor	RN9	Bellcore Issue 6	Level I		0.005438	1.00	.0757	0.005438	183897366.19
1301005440	Semiconductor	D5-D7	Bellcore Issue 6	Level I		0.021889	3.00	.9144	0.065667	45684952.11
1211100102	Inductor	L15,L2,L3	Bellcore Issue 6	Level I		0.081205	3.00	3.3924	0.243614	12314576.26
1540782280	Resistor	RN10,RN3-RN8	Bellcore Issue 6	Level I		0.005438	7.00	.5301	0.038065	183897366.19
1310390410	Semiconductor	Q3	Bellcore Issue 6	Level I		0.021889	1.00	.3048	0.021889	45684952.11
1314101010	Integrated Circuit	Q2	Bellcore Issue 6	Level I		0.047561	1.00	.6623	0.047561	21025424.41
1651203291	Connection	U7	Bellcore Issue 6	Level I		0.015541	1.00	.2164	0.015541	64347790.44
14S6334610	Integrated Circuit	U11	Bellcore Issue 6	Level I		0.024514	1.00	.3414	0.024514	40793332.65
1212306033	Inductor	L8-L13	Bellcore Issue 6	Level I		0.002137	6.00	.1785	0.012822	467953897.71
1315700211	Semiconductor	Q10-Q12	Bellcore Issue 6	Level I		0.072963	3.00	3.0482	0.218890	13705485.63
14S4256200	Inductor	U10	Bellcore Issue 6	Level I		0.128218	1.00	1.7855	0.128218	7799231.63
105A520003	Resistor	R1,R37	Bellcore Issue 6	Level I		0.002137	2.00	.0595	0.004274	467953897.71
1121747780	Capacitor	C100,C101	Bellcore Issue 6	Level I		0.004274	2.00	.1190	0.008548	233976948.85
105A540263	Resistor	R87,R88	Bellcore Issue 6	Level I		0.002137	2.00	.0595	0.004274	467953897.71
105A539263	Resistor	R15	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
105A527463	Resistor	R19,R3,R5	Bellcore Issue 6	Level I		0.002137	3.00	.0893	0.006411	467953897.71
105A511313	Resistor	R302	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
105A700103	Resistor	R136,R316,R329	Bellcore Issue 6	Level I		0.002137	3.00	.0893	0.006411	467953897.71
105A500333	Resistor	R284	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
1540722085	Resistor	RN1,RN2	Bellcore Issue 6	Level I		0.005438	2.00	.1514	0.010876	183897366.19
105A708229	Resistor	R140-R142,R150,R151,R153,R154-R186	Bellcore Issue 6	Level I		0.002137	8.00	.2381	0.017096	467953897.71
105A700139	Resistor	R10,R147,R155,R249,R252,R253,-R257,R259,R260,R269,R95,R97,R-99	Bellcore Issue 6	Level I		0.002137	13.00	.3869	0.027781	467953897.71
105A704729	Resistor	R296,R335	Bellcore Issue 6	Level I		0.002137	2.00	.0595	0.004274	467953897.71

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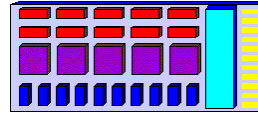


Description
File Name COM915+ECB915A.RPJ
Time 1:41 下午
Failure Rate 7.181077
MTBF 139,255

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A700009	Resistor	R103,R106,R111,R111,R114,R116,- R12,R124-R129,R131,R133,R197,- R250,R254,R256	Bellcore Issue 6	Level I		0.002137	19.00	.5654	0.040602	467953897.71
105A700009	Resistor	R273,R274,R313,R34,R344-R346,- R350,R55,R56,R7	Bellcore Issue 6	Level I		0.002137	11.00	.3273	0.023507	467953897.71
105A701039	Resistor	R144-R146,R148,R196,R200,R210- R211,R241-R245,R267,R270,R271- R303,R309	Bellcore Issue 6	Level I		0.002137	18.00	.5356	0.038465	467953897.71
105A701039	Resistor	R341,R39,R40,R94	Bellcore Issue 6	Level I		0.002137	4.00	.1190	0.008548	467953897.71
105A710009	Resistor	R112,R113,R117-R120,R38	Bellcore Issue 6	Level I		0.002137	7.00	.2083	0.014959	467953897.71
105A703309	Resistor	R121,R122,R156,R158,R160,R162- R164,R166,R168,R170,R172,R174- R176,R178	Bellcore Issue 6	Level I		0.002137	14.00	.4166	0.029917	467953897.71
105A703309	Resistor	R180,R182,R184,R185,R187-R190- R192,R195,R240	Bellcore Issue 6	Level I		0.002137	11.00	.3273	0.023507	467953897.71
105A701009	Resistor	R264	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
105A702229	Resistor	R202,R268,R44-R49	Bellcore Issue 6	Level I		0.002137	8.00	.2381	0.017096	467953897.71
105A733009	Resistor	R143	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
1129701690	Capacitor	C105,C107,C114,C115,C117,C119- C121,C123,C125,C126,C128,C130- C132,C134	Bellcore Issue 6	Level I		0.004274	14.00	.8332	0.059835	233976948.85
1129701690	Capacitor	C144-C148,C150,C151,C153,C154- C157-C186,C188-C198,C200,C202- C216,C218	Bellcore Issue 6	Level I		0.004274	67.00	3.9876	0.286353	233976948.85
1129701690	Capacitor	C220-C222,C224,C225,C229,C234- C238,C241,C242,C244,C254-C275- C277,C278	Bellcore Issue 6	Level I		0.004274	35.00	2.0831	0.149587	233976948.85
1129701690	Capacitor	C280,C281,C283,C284,C287,C288- C290-C293,C295,C300,C301,C306- C308,C31,C312	Bellcore Issue 6	Level I		0.004274	18.00	1.0713	0.076931	233976948.85
1129701690	Capacitor	C313,C32,C33,C335,C34,C340-C3- 42,C35,C356,C357,C36,C361,C362- C364,C37,C371	Bellcore Issue 6	Level I		0.004274	17.00	1.0118	0.072657	233976948.85
1129701690	Capacitor	C373,C38,C385,C39,C394-C400,C- 40-C75,C80-C85,C89-C91,C93,C95- C97,C98	Bellcore Issue 6	Level I		0.004274	60.00	3.5710	0.256436	233976948.85
1129722091	Capacitor	C294,C297	Bellcore Issue 6	Level I		0.004274	2.00	.1190	0.008548	233976948.85
1129710390	Capacitor	C343,C349	Bellcore Issue 6	Level I		0.004274	2.00	.1190	0.008548	233976948.85
14S5A00401	Integrated Circuit	U12	Bellcore Issue 6	Level I		0.032883	1.00	.4579	0.032883	30410539.78

AAEON Reliability Prediction Report

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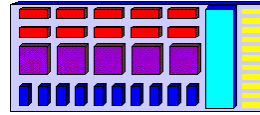


Description
File Name COM915+ECB915A.RPJ
Time 1:41 下午
Failure Rate 7.181077
MTBF 139,255

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1129722680	Capacitor	C108,C248-C250,C252,C253	Bellcore Issue 6	Level I		0.004274	6.00	.3571	0.025644	233976948.85
105A702263	Resistor	R281,R290,R295,R298-R300	Bellcore Issue 6	Level I		0.002137	6.00	.1785	0.012822	467953897.71
1231314350	Miscellaneous	Y2	Bellcore Issue 6	Level I		0.150000	1.00	2.0888	0.150000	6666666.67
1231325050	Miscellaneous	Y3	Bellcore Issue 6	Level I		0.150000	1.00	2.0888	0.150000	6666666.67
105A545323	Resistor	R336	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
1314043210	Integrated Circuit	Q1	Bellcore Issue 6	Level I		0.047561	1.00	.6623	0.047561	21025424.41
105A547503	Resistor	R199	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
105A524963	Resistor	R107,R115,R30,R35,R60	Bellcore Issue 6	Level I		0.002137	5.00	.1488	0.010685	467953897.71
1121610060	Capacitor	C302,C311,C315,C316,C327,C328-C365,C366,C391,C392	Bellcore Issue 6	Level I		0.004274	10.00	.5952	0.042739	233976948.85
1315668011	Semiconductor	U14,U15,U17,U18,U20,U21,U28,U-29	Bellcore Issue 6	Level I		0.145927	8.00	16.2568	1.167416	6852742.82
105A513723	Resistor	R331	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
1315776010	Semiconductor	U22,U23,U26	Bellcore Issue 6	Level I		0.072963	3.00	3.0482	0.218890	13705485.63
1315776010	Semiconductor	U25	Bellcore Issue 6	Level I	15.80	0.113270	1.00	1.5773	0.113270	8828470.23
1124518280	Capacitor	C380	Bellcore Issue 6	Level I		0.004274	1.00	.0595	0.004274	233976948.85
1189647190	Capacitor	C104,C331	Bellcore Issue 6	Level I		0.004274	2.00	.1190	0.008548	233976948.85
121230805G	Inductor	L1,L4	Bellcore Issue 6	Level I		0.002137	2.00	.0595	0.004274	467953897.71
1211101005	Inductor	L5,L6	Bellcore Issue 6	Level I		0.081205	2.00	2.2616	0.162409	12314576.26
1189633181	Capacitor	C317,C321,C322,C330,C339,C344-C350,C351,C354,C355,C94,C96	Bellcore Issue 6	Level I		0.004274	12.00	.7142	0.051287	233976948.85
1189633181	Capacitor	C106	Bellcore Issue 6	Level I	11.90	0.005372	1.00	.0748	0.005372	186139875.23
105A522663	Resistor	R130	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
1304101340	Semiconductor	LED1	Bellcore Issue 6	Level I		0.003696	1.00	.0515	0.003696	270545930.34
105A710039	Resistor	R258	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
105A701539	Resistor	R276,R287	Bellcore Issue 6	Level I		0.002137	2.00	.0595	0.004274	467953897.71
105A507509	Resistor	R109,R137	Bellcore Issue 6	Level I		0.002137	2.00	.0595	0.004274	467953897.71
1124405090	Capacitor	C239,C240	Bellcore Issue 6	Level I		0.004274	2.00	.1190	0.008548	233976948.85
1124427090	Capacitor	C149,C152	Bellcore Issue 6	Level I		0.004274	2.00	.1190	0.008548	233976948.85
105A549969	Resistor	R157,R159,R161,R163,R165,R167-R169,R171,R173,R175,R177,R179-R181,R183	Bellcore Issue 6	Level I		0.002137	14.00	.4166	0.029917	467953897.71
105A549969	Resistor	R347,R348	Bellcore Issue 6	Level I		0.002137	2.00	.0595	0.004274	467953897.71

AAEON Reliability Prediction Report

Part Number 9697081002
Reference Des
Date 06. 27, 2006
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 22.00



Description
File Name COM915+ECB915A.RPJ
Time 1:41 下午
Failure Rate 7.181077
MTBF 139,255

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A501039	Resistor	R207,R208	Bellcore Issue 6	Level I		0.002137	2.00	.0595	0.004274	467953897.71
121230805L	Inductor	L16,L17,L20,L22,L24,L7	Bellcore Issue 6	Level I		0.002137	6.00	.1785	0.012822	467953897.71
1124547290	Capacitor	C324,C333	Bellcore Issue 6	Level I		0.004274	2.00	.1190	0.008548	233976948.85
105A705609	Resistor	R104,R110,R16,R2,R212,R213-R2-19,R221-R223,R225-R239,R26,R61-R86	Bellcore Issue 6	Level I		0.002137	57.00	1.6962	0.121807	467953897.71
1189922180	Capacitor	C110,C155,C156,C243,C345-C347-C363,C375-C377,C79	Bellcore Issue 6	Level I		0.004274	13.00	.7737	0.055561	233976948.85
1189922180	Capacitor	C30	Bellcore Issue 6	Level I	13.00	0.005482	1.00	.0763	0.005482	182408421.67
1189922180	Capacitor	C4	Bellcore Issue 6	Level I	15.70	0.005758	1.00	.0802	0.005758	173668991.58
1189922180	Capacitor	C378	Bellcore Issue 6	Level I	15.70	0.005758	1.00	.0802	0.005758	173668991.58
1189922180	Capacitor	C5	Bellcore Issue 6	Level I	14.70	0.005655	1.00	.0787	0.005655	176838242.96
105A510009	Resistor	R247,R248,R262	Bellcore Issue 6	Level I		0.002137	3.00	.0893	0.006411	467953897.71
1301005444	Semiconductor	D1,D10,D2,D3,D9	Bellcore Issue 6	Level I		0.021889	5.00	1.5241	0.109445	45684952.11
1129722060	Capacitor	C296	Bellcore Issue 6	Level I		0.004274	1.00	.0595	0.004274	233976948.85
105A554963	Resistor	R14,R29,R33,R4,R6	Bellcore Issue 6	Level I		0.002137	5.00	.1488	0.010685	467953897.71
105A510213	Resistor	R306	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
105A532413	Resistor	R307,R330	Bellcore Issue 6	Level I		0.002137	2.00	.0595	0.004274	467953897.71
1211103366	Inductor	L21	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
1211103366	Inductor	L23	Bellcore Issue 6	Level I	12.80	0.002731	1.00	.0380	0.002731	366158584.08
1129610051	Capacitor	C10,C11,C111-C113,C118,C12,C1-22,C127,C13,C14,C143,C15-C19,C-199,C2,C20,C21	Bellcore Issue 6	Level I		0.004274	21.00	1.2498	0.089752	233976948.85
1129610051	Capacitor	C217,C219,C22,C223,C23,C24,C2-45,C247,C25-C28,C289,C29,C299,-C323,C332,C358	Bellcore Issue 6	Level I		0.004274	18.00	1.0713	0.076931	233976948.85
1129610051	Capacitor	C359,C360,C393,C401,C7,C77,C78-C8,C86-C88,C9,C99	Bellcore Issue 6	Level I		0.004274	13.00	.7737	0.055561	233976948.85
1315700310	Semiconductor	Q5,Q7-Q9	Bellcore Issue 6	Level I		0.072963	4.00	4.0642	0.291854	13705485.63
1315600311	Semiconductor	Q6	Bellcore Issue 6	Level I		0.072963	1.00	1.0161	0.072963	13705485.63
105A525503	Resistor	R57	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
1121701790	Capacitor	C1,C298,C352	Bellcore Issue 6	Level I		0.004274	3.00	.1785	0.012822	233976948.85
1314158210	Integrated Circuit	Q4	Bellcore Issue 6	Level I	14.70	0.135275	1.00	1.8838	0.135275	7392359.48
1651611990	Connection	U1	Bellcore Issue 6	Level I		0.000971	1.00	.0135	0.000971	1029564647.12

AAEON Reliability Prediction Report

Part Number 9697081002
Reference Des
Date 06. 27, 2006
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 22.00

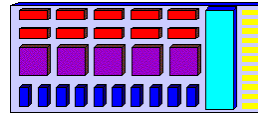


Description
File Name COM915+ECB915A.RPJ
Time 1:41 下午
Failure Rate 7.181077
MTBF 139,255

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1301003440	Semiconductor	D11, D8	Bellcore Issue 6	Level I		0.021889	2.00	.6096	0.043778	45684952.11
105A580663	Resistor	R89, R90	Bellcore Issue 6	Level I		0.002137	2.00	.0595	0.004274	467953897.71
14S4653700	Integrated Circuit	U19	Bellcore Issue 6	Level I	14.50	0.133453	1.00	1.8584	0.133453	7493247.70
11E9610190	Capacitor	C279, C282, C403, C6, C92	Bellcore Issue 6	Level I		0.004274	5.00	.2976	0.021370	233976948.85
105A507533	Resistor	R338	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
105A535713	Resistor	R339	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
105A520033	Resistor	R315	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
105A554923	Resistor	R334	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
105A510513	Resistor	R342	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
11E9501090	Capacitor	C187, C201, C246, C285, C314, C318- -C320, C326, C329, C369, C390, C402	Bellcore Issue 6	Level I		0.004274	13.00	.7737	0.055561	233976948.85
14S4621700	Integrated Circuit	U24	Bellcore Issue 6	Level I		0.047561	1.00	.6623	0.047561	21025424.41
14S3420600	Integrated Circuit	U5	Bellcore Issue 6	Level I	16.50	0.152707	1.00	2.1265	0.152707	6548478.11
11E9647680	Capacitor	C109, C251, C337, C338, C353, C367	Bellcore Issue 6	Level I		0.004274	6.00	.3571	0.025644	233976948.85
16515A0997	Connection	DIMM1	Bellcore Issue 6	Level I		0.097128	1.00	1.3526	0.097128	10295646.47
105A522103	Resistor	R138, R27, R31	Bellcore Issue 6	Level I		0.002137	3.00	.0893	0.006411	467953897.71
105A501623	Resistor	R305	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
121110010R	Inductor	L26, L27	Bellcore Issue 6	Level I		0.002137	2.00	.0595	0.004274	467953897.71
14S9108500	Integrated Circuit	U27	Bellcore Issue 6	Level I		0.047561	1.00	.6623	0.047561	21025424.41
14S1826100	Integrated Circuit	U6	Bellcore Issue 6	Level I		0.047561	1.00	.6623	0.047561	21025424.41
14S2921400	Integrated Circuit	U13, U16	Bellcore Issue 6	Level I		0.047561	2.00	1.3246	0.095123	21025424.41
14S9951500	Integrated Circuit	U4	Bellcore Issue 6	Level I		0.047561	1.00	.6623	0.047561	21025424.41
14S5A00601	Integrated Circuit	U9	Bellcore Issue 6	Level I		0.032883	1.00	.4579	0.032883	30410539.78
14S5A00703	Integrated Circuit	U8	Bellcore Issue 6	Level I		0.032883	1.00	.4579	0.032883	30410539.78
14S4291502	Integrated Circuit	U2	Bellcore Issue 6	Level I	14.30	0.074525	1.00	1.0378	0.074525	13418404.15
16540M0000	Connection	CN1, CN2	Bellcore Issue 6	Level I		0.106841	2.00	2.9756	0.213683	9359678.61
14S428010B	Integrated Circuit	U3	Bellcore Issue 6	Level I		0.032883	1.00	.4579	0.032883	30410539.78
105A506823	Resistor	R314, R333	Bellcore Issue 6	Level I		0.002137	2.00	.0595	0.004274	467953897.71
1124568180	Capacitor	C384	Bellcore Issue 6	Level I		0.004274	1.00	.0595	0.004274	233976948.85
1211101564	Inductor	L25	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71
1050511503	Resistor	R351	Bellcore Issue 6	Level I		0.002137	1.00	.0298	0.002137	467953897.71

AAEON Reliability Prediction Report

Part Number 9697915A02
Reference Des
Date 06. 27, 2006
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 22.00

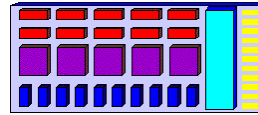


Description
File Name COM915+ECB915A.RPJ
Time 1:41 下午
Failure Rate 10.732513
MTBF 93,175

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1231124550	Miscellaneous	Y1	Bellcore Issue 6	Level I		0.150000	1.00	1.3976	0.150000	6666666.67
1233032720	Miscellaneous	OSC2	Bellcore Issue 6	Level I		0.360000	1.00	3.3543	0.360000	2777777.78
1750220320	Connection	BT1	Bellcore Issue 6	Level I		0.000971	1.00	.0090	0.000971	1029564647.12
1231125050	Miscellaneous	Y2,Y3	Bellcore Issue 6	Level I		0.150000	2.00	2.7952	0.300000	6666666.67
1759100002	Miscellaneous	BZ1	Bellcore Issue 6	Level I		0.150000	1.00	1.3976	0.150000	6666666.67
1601123000	Connection	SW1,SW2	Bellcore Issue 6	Level I		0.001943	2.00	.0362	0.003885	514782323.56
1653002100	Connection	JP10	Bellcore Issue 6	Level I		0.000971	1.00	.0090	0.000971	1029564647.12
1653003100	Connection	JP1,JP2,JP5	Bellcore Issue 6	Level I		0.001457	3.00	.0407	0.004371	686376431.41
1653003101	Connection	JP4	Bellcore Issue 6	Level I		0.001457	1.00	.0136	0.001457	686376431.41
1653004201	Connection	CN10	Bellcore Issue 6	Level I		0.003885	1.00	.0362	0.003885	257391161.78
1653005201	Connection	CN6	Bellcore Issue 6	Level I		0.004856	1.00	.0452	0.004856	205912929.42
1653006100	Connection	CN8	Bellcore Issue 6	Level I		0.002914	1.00	.0271	0.002914	343188215.71
1653007201	Connection	CN15	Bellcore Issue 6	Level I		0.006799	1.00	.0633	0.006799	147080663.87
1653010200	Connection	JP3	Bellcore Issue 6	Level I		0.009713	1.00	.0905	0.009713	102956464.71
1653013200	Connection	CN28	Bellcore Issue 6	Level I		0.012627	1.00	.1176	0.012627	79197280.55
1653217202	Connection	CN7	Bellcore Issue 6	Level I		0.016512	1.00	.1538	0.016512	60562626.30
1653300100	Connection	J2	Bellcore Issue 6	Level I		0.000971	1.00	.0090	0.000971	1029564647.12
1653300101	Connection	J8	Bellcore Issue 6	Level I		0.000971	1.00	.0090	0.000971	1029564647.12
1653300102	Connection	J1,J3-J7	Bellcore Issue 6	Level I		0.000971	6.00	.0543	0.005828	1029564647.12
1655112012	Connection	CN1	Bellcore Issue 6	Level I		0.005828	1.00	.0543	0.005828	171594107.85
1655420020	Connection	CN3	Bellcore Issue 6	Level I		0.009713	1.00	.0905	0.009713	102956464.71
1750119011	Miscellaneous	BT1	Bellcore Issue 6	Level I		0.900000	1.00	8.3857	0.900000	1111111.11
1653205203	Connection	CN13,CN14,CN25,CN26,CN29	Bellcore Issue 6	Level I		0.004856	5.00	.2262	0.024282	205912929.42
1655003010	Connection	CN22,CN23	Bellcore Issue 6	Level I		0.001457	2.00	.0271	0.002914	686376431.41
1653008100	Connection	JP9	Bellcore Issue 6	Level I		0.003885	1.00	.0362	0.003885	257391161.78
1653220208	Connection	IDE1	Bellcore Issue 6	Level I		0.019426	1.00	.1810	0.019426	51478232.36
1119610297	Capacitor	EC2-EC4,EC8	Bellcore Issue 6	Level I		0.060705	4.00	2.2625	0.242821	16473034.35
1654612304	Connection	CN27	Bellcore Issue 6	Level I		0.002914	1.00	.0271	0.002914	343188215.71
1653900034	Connection	CFD1	Bellcore Issue 6	Level I		0.000971	1.00	.0090	0.000971	1029564647.12
1111610210	Capacitor	EC1,EC11-EC13,EC5-EC7,EC9	Bellcore Issue 6	Level I		0.060705	8.00	4.5250	0.485642	16473034.35

AAEON Reliability Prediction Report

Part Number 9697915A02
Reference Des
Date 06. 27, 2006
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 22.00



Description
File Name COM915+ECB915A.RPJ
Time 1:41 下午
Failure Rate 10.732513
MTBF 93,175

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1111610194	Capacitor	C122-C125,C133,C134,C139,C140-,C175,C177,C188,C189,C242,C243-,C249,C250	Bellcore Issue 6	Level I		0.036423	16.00	5.4300	0.582771	27455057.26
1111610194	Capacitor	C254,C255,C341,C342,C347,C348-,C356-C358,C365	Bellcore Issue 6	Level I		0.036423	10.00	3.3937	0.364232	27455057.26
1652522200	Connection	CN12	Bellcore Issue 6	Level I		0.010684	1.00	.0995	0.010684	93596786.10
1654907000	Connection	SATA2-SATA4	Bellcore Issue 6	Level I		0.003399	3.00	.0950	0.010198	294161327.75
1652522201	Connection	RJUSB1	Bellcore Issue 6	Level I		0.010684	1.00	.0995	0.010684	93596786.10
1189656190	Capacitor	C30	Bellcore Issue 6	Level I		0.004274	1.00	.0398	0.004274	233976948.85
1653005206	Connection	CN2	Bellcore Issue 6	Level I		0.004856	1.00	.0452	0.004856	205912929.42
1654549502	Connection	CN11	Bellcore Issue 6	Level I		0.000971	1.00	.0090	0.000971	1029564647.12
1654218202	Connection	PCIE1-PCIE3	Bellcore Issue 6	Level I		0.017483	3.00	.4887	0.052449	57198035.95
1304000061	Semiconductor	U40,U42	Bellcore Issue 6	Level I		0.003696	2.00	.0689	0.007392	270545930.34
1654282201	Connection	CN21	Bellcore Issue 6	Level I		0.079645	1.00	.7421	0.079645	12555666.43
1652517200	Connection	CN24	Bellcore Issue 6	Level I		0.008256	1.00	.0769	0.008256	121125252.60
1653900036	Connection	CN17	Bellcore Issue 6	Level I		0.000971	1.00	.0090	0.000971	1029564647.12
105A501033	Resistor	R335-R337,R347,R353-R355	Bellcore Issue 6	Level I		0.002137	7.00	.1394	0.014959	467953897.71
105A512103	Resistor	R290	Bellcore Issue 6	Level I		0.002137	1.00	.0199	0.002137	467953897.71
105A700003	Resistor	FB1,FB11,FB12,FB16-FB19,FB2,F-B20-FB25,FB28,FB29,FB3,FB4,FB-43-FB45,FB47-FB49	Bellcore Issue 6	Level I		0.002137	24.00	.4779	0.051287	467953897.71
105A700003	Resistor	FB5,FB50-FB52,FB57-FB60,FB6,F-B7,R111,R141,R143,R149,R165,R-167,R174-R181	Bellcore Issue 6	Level I		0.002137	24.00	.4779	0.051287	467953897.71
105A700003	Resistor	R184,R186,R188-R193,R206,R210-R212,R214,R216,R22,R220,R229,-R245,R247	Bellcore Issue 6	Level I		0.002137	19.00	.3783	0.040602	467953897.71
105A700003	Resistor	R248,R271,R304,R313,R314,R316-,R319-R321,R332,R343,R361,R364-,R369,R370	Bellcore Issue 6	Level I		0.002137	15.00	.2987	0.032054	467953897.71
105A700003	Resistor	R372,R382-R386	Bellcore Issue 6	Level I		0.002137	6.00	.1195	0.012822	467953897.71
105A701003	Resistor	R157,R158,R367	Bellcore Issue 6	Level I		0.002137	3.00	.0597	0.006411	467953897.71
105A701053	Resistor	R116,R139	Bellcore Issue 6	Level I		0.002137	2.00	.0398	0.004274	467953897.71
105A702203	Resistor	R363,R87-R91	Bellcore Issue 6	Level I		0.002137	6.00	.1195	0.012822	467953897.71
105A703303	Resistor	R110,R124,R233,R255,R270,R272-,R292,R326,R339,R351,R362	Bellcore Issue 6	Level I		0.002137	11.00	.2190	0.023507	467953897.71

AAEON Reliability Prediction Report

Part Number 9697915A02
Reference Des
Date 06. 27, 2006
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 22.00

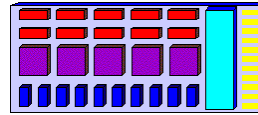


Description
File Name COM915+ECB915A.RPJ
Time 1:41 下午
Failure Rate 10.732513
MTBF 93,175

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A704723	Resistor	R108,R109,R137,R150,R151,R164-,R168,R195,R197,R230-R232,R251-,R252,R276	Bellcore Issue 6	Level I		0.002137	15.00	.2987	0.032054	467953897.71
105A704723	Resistor	R294,R301,R302,R317,R318,R333-,R338,R344,R346,R359,R379,R380	Bellcore Issue 6	Level I		0.002137	12.00	.2389	0.025644	467953897.71
105A705623	Resistor	R284	Bellcore Issue 6	Level I		0.002137	1.00	.0199	0.002137	467953897.71
105A708223	Resistor	R293,R357,R358	Bellcore Issue 6	Level I		0.002137	3.00	.0597	0.006411	467953897.71
105A700133	Resistor	R105-R107,R121,R134-R136,R201-,R209,R213,R218,R219,R334,R341-,R345,R356	Bellcore Issue 6	Level I		0.002137	16.00	.3186	0.034191	467953897.71
105A700133	Resistor	R77,R78,R8,R92-R95	Bellcore Issue 6	Level I		0.002137	7.00	.1394	0.014959	467953897.71
105A733003	Resistor	R1,R11,R122,R123,R297,R3,R303-,R365,R366,R7	Bellcore Issue 6	Level I		0.002137	10.00	.1991	0.021370	467953897.71
105A701033	Resistor	R120,R14,R146,R234-R239,R243-,R244,R246,R249,R253,R254,R27-,R274,R275,R277	Bellcore Issue 6	Level I		0.002137	19.00	.3783	0.040602	467953897.71
105A701033	Resistor	R278-R280,R283,R285,R29,R296-,R31,R329,R33,R330,R35,R360,R37-,R375-R378	Bellcore Issue 6	Level I		0.002137	18.00	.3584	0.038465	467953897.71
105A701033	Resistor	R381,R39,R45,R68-R71,R74,R75-,R96,R97	Bellcore Issue 6	Level I		0.002137	11.00	.2190	0.023507	467953897.71
105A715003	Resistor	R194,R207,R215	Bellcore Issue 6	Level I		0.002137	3.00	.0597	0.006411	467953897.71
105A710053	Resistor	R289	Bellcore Issue 6	Level I		0.012822	1.00	.1195	0.012822	77992316.28
105A500133	Resistor	R288,R371	Bellcore Issue 6	Level I		0.002137	2.00	.0398	0.004274	467953897.71
105A503033	Resistor	R349	Bellcore Issue 6	Level I		0.002137	1.00	.0199	0.002137	467953897.71
105A510003	Resistor	R196	Bellcore Issue 6	Level I		0.002137	1.00	.0199	0.002137	467953897.71
105A511503	Resistor	R6	Bellcore Issue 6	Level I		0.002137	1.00	.0199	0.002137	467953897.71
105A515003	Resistor	R154-R156,R161-R163	Bellcore Issue 6	Level I		0.002137	6.00	.1195	0.012822	467953897.71
105A549913	Resistor	R315	Bellcore Issue 6	Level I		0.002137	1.00	.0199	0.002137	467953897.71
105A549963	Resistor	R28,R30,R305-R312,R32,R34,R36-,R38,R40,R42-R44,R49-R52	Bellcore Issue 6	Level I		0.002137	22.00	.4380	0.047013	467953897.71
105A702233	Resistor	R241,R242,R256,R257,R259,R260-,R340,R352	Bellcore Issue 6	Level I		0.002137	8.00	.1593	0.017096	467953897.71
105A703903	Resistor	R159,R160,R79-R86	Bellcore Issue 6	Level I		0.002137	10.00	.1991	0.021370	467953897.71
105A705133	Resistor	R115,R138	Bellcore Issue 6	Level I		0.002137	2.00	.0398	0.004274	467953897.71
105A706823	Resistor	R166,R169	Bellcore Issue 6	Level I		0.002137	2.00	.0398	0.004274	467953897.71

AAEON Reliability Prediction Report

Part Number 9697915A02
Reference Des
Date 06. 27, 2006
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 22.00

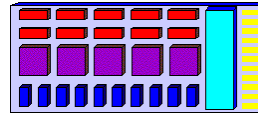


Description
File Name COM915+ECB915A.RPJ
Time 1:41 下午
Failure Rate 10.732513
MTBF 93,175

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A710033	Resistor	R147,R148,R258,R261-R265,R269-R286	Bellcore Issue 6	Level I		0.002137	10.00	.1991	0.021370	467953897.71
105A747033	Resistor	R170,R171,R182,R185	Bellcore Issue 6	Level I		0.002137	4.00	.0796	0.008548	467953897.71
105A751003	Resistor	R266-R268	Bellcore Issue 6	Level I		0.002137	3.00	.0597	0.006411	467953897.71
105A756033	Resistor	R172,R173,R183,R187	Bellcore Issue 6	Level I		0.002137	4.00	.0796	0.008548	467953897.71
1212306032	Inductor	FB10,FB13-FB15,FB26,FB27,FB30-FB42,FB53-FB56,FB8,FB9	Bellcore Issue 6	Level I		0.002137	25.00	.4978	0.053424	467953897.71
1233324050	Miscellaneous	OSC1	Bellcore Issue 6	Level I		0.360000	1.00	3.3543	0.360000	2777777.78
1122701680	Capacitor	C14,C240,C241,C247,C248,C257,-C258,C3,C4,C52,C53,C61,C62	Bellcore Issue 6	Level I		0.004274	13.00	.5177	0.055561	233976948.85
1124405080	Capacitor	C93,C94,C96-C99	Bellcore Issue 6	Level I		0.004274	6.00	.2389	0.025644	233976948.85
1124510080	Capacitor	C210-C212,C366,C372,C47	Bellcore Issue 6	Level I		0.004274	6.00	.2389	0.025644	233976948.85
1124510280	Capacitor	C130,C131,C138,C143,C176,C178,-C221-C223,C294,C296,C298,C300-C305,C307	Bellcore Issue 6	Level I		0.004274	15.00	.5973	0.064109	233976948.85
1124510280	Capacitor	C309,C315,C317,C319,C321,C323-C328,C330,C332,C334,C336	Bellcore Issue 6	Level I		0.004274	11.00	.4380	0.047013	233976948.85
1124518180	Capacitor	C213-C220,C227,C228	Bellcore Issue 6	Level I		0.004274	10.00	.3982	0.042739	233976948.85
1124527080	Capacitor	C281,C282	Bellcore Issue 6	Level I		0.004274	2.00	.0796	0.008548	233976948.85
1124533080	Capacitor	C302,C303	Bellcore Issue 6	Level I		0.004274	2.00	.0796	0.008548	233976948.85
1124547080	Capacitor	C102-C111,C272	Bellcore Issue 6	Level I		0.004274	11.00	.4380	0.047013	233976948.85
1124547180	Capacitor	C430-C433	Bellcore Issue 6	Level I		0.004274	4.00	.1593	0.017096	233976948.85
1124547280	Capacitor	C160,C162,C164,C166-C174	Bellcore Issue 6	Level I		0.004274	12.00	.4779	0.051287	233976948.85
1540710080	Resistor	RP10-RP13,RP6-RP9	Bellcore Issue 6	Level I		0.005438	8.00	.4053	0.043503	183897366.19
1129747650	Capacitor	C26	Bellcore Issue 6	Level I		0.004274	1.00	.0398	0.004274	233976948.85
1540701380	Resistor	RP3	Bellcore Issue 6	Level I		0.005438	1.00	.0507	0.005438	183897366.19
1540715180	Resistor	RP15-RP18	Bellcore Issue 6	Level I		0.005438	4.00	.2027	0.021751	183897366.19
1301005440	Semiconductor	D1,D19,D20,D7-D9	Bellcore Issue 6	Level I		0.021889	6.00	1.2237	0.131334	45684952.11
1301005441	Semiconductor	D12-D14	Bellcore Issue 6	Level I		0.021889	3.00	.6119	0.065667	45684952.11
1540782280	Resistor	RP1,RP14,RP2	Bellcore Issue 6	Level I		0.005438	3.00	.1520	0.016313	183897366.19
1310390410	Semiconductor	Q4	Bellcore Issue 6	Level I		0.021889	1.00	.2040	0.021889	45684952.11
1311390610	Semiconductor	Q16,Q18	Bellcore Issue 6	Level I		0.021889	2.00	.4079	0.043778	45684952.11
1314101010	Integrated Circuit	U26	Bellcore Issue 6	Level I		0.047561	1.00	.4432	0.047561	21025424.41

AAEON Reliability Prediction Report

Part Number 9697915A02
Reference Des
Date 06. 27, 2006
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 22.00



Description
File Name COM915+ECB915A.RPJ
Time 1:41 下午
Failure Rate 10.732513
MTBF 93,175

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
14S3128420	Integrated Circuit	U39	Bellcore Issue 6	Level I		0.047561	1.00	.4432	0.047561	21025424.41
14S4070610	Integrated Circuit	U16	Bellcore Issue 6	Level I		0.047561	1.00	.4432	0.047561	21025424.41
1651203291	Connection	U18	Bellcore Issue 6	Level I		0.015541	1.00	.1448	0.015541	64347790.44
14S4911216	Integrated Circuit	U6	Bellcore Issue 6	Level I		0.032883	1.00	.3064	0.032883	30410539.78
14S4048501	Integrated Circuit	U33,U36	Bellcore Issue 6	Level I		0.047561	2.00	.8863	0.095123	21025424.41
1301005442	Semiconductor	D1,D2,D21	Bellcore Issue 6	Level I		0.021889	3.00	.6119	0.065667	45684952.11
14S4021310	Integrated Circuit	U29-U32	Bellcore Issue 6	Level I		0.047561	4.00	1.7726	0.190246	21025424.41
1315700211	Semiconductor	Q17,Q19,Q20	Bellcore Issue 6	Level I		0.072963	3.00	2.0395	0.218890	13705485.63
14S5A01400	Integrated Circuit	U35	Bellcore Issue 6	Level I		0.047561	1.00	.4432	0.047561	21025424.41
14S5A00700	Integrated Circuit	U17	Bellcore Issue 6	Level I		0.031706	1.00	.2954	0.031706	31539630.07
1124533180	Capacitor	C9	Bellcore Issue 6	Level I		0.004274	1.00	.0398	0.004274	233976948.85
14S3020100	Integrated Circuit	U11	Bellcore Issue 6	Level I		0.047561	1.00	.4432	0.047561	21025424.41
1059710003	Resistor	R2	Bellcore Issue 6	Level I		0.002137	1.00	.0199	0.002137	467953897.71
1124701780	Capacitor	C274,C275,C277,C278,C295,C297-C299,C301,C371,C377	Bellcore Issue 6	Level I		0.004274	10.00	.3982	0.042739	233976948.85
1121701680	Capacitor	C288,C289,C368-C370,C373-C376-C380-C383,C386,C387,C390,C391-C414-C421,C434	Bellcore Issue 6	Level I		0.004274	26.00	1.0354	0.111122	233976948.85
105A502200	Resistor	R5	Bellcore Issue 6	Level I		0.002137	1.00	.0199	0.002137	467953897.71
105A503300	Resistor	R53-R66	Bellcore Issue 6	Level I		0.002137	14.00	.2788	0.029917	467953897.71
1121610180	Capacitor	C180,C181,C205,C209,C225,C226-C384,C385,C388,C389,C392-C403-C406-C413,C422	Bellcore Issue 6	Level I		0.004274	31.00	1.2345	0.132492	233976948.85
1121610180	Capacitor	C423-C429	Bellcore Issue 6	Level I		0.004274	7.00	.2788	0.029917	233976948.85
105A506823	Resistor	R348,R350	Bellcore Issue 6	Level I		0.002137	2.00	.0398	0.004274	467953897.71
1129701690	Capacitor	C100,C101,C112-C115,C12,C120,-C121,C126-C129,C13,C132,C135--C137,C141,C142	Bellcore Issue 6	Level I		0.004274	20.00	.7964	0.085479	233976948.85
1129701690	Capacitor	C144-C146,C155-C157,C190,C191-C20,C208,C229C230,C232,CC233-C235,C236,C238	Bellcore Issue 6	Level I		0.004274	17.00	.6770	0.072657	233976948.85
1129701690	Capacitor	C244,C245,C251,C252,C259,C260-C262-C265,C267,C268,C270,C271-C276,C279,C28	Bellcore Issue 6	Level I		0.004274	17.00	.6770	0.072657	233976948.85

AAEON Reliability Prediction Report

Part Number 9697915A02
Reference Des
Date 06. 27, 2006
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 22.00

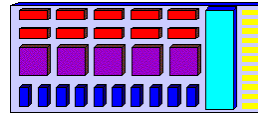


Description
File Name COM915+ECB915A.RPJ
Time 1:41 下午
Failure Rate 10.732513
MTBF 93,175

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1129701690	Capacitor	C280,C283,C284,C287,C304,C306-,C308,C310,C312,C314,C316,C318-,C320,C322,C326	Bellcore Issue 6	Level I		0.004274	15.00	.5973	0.064109	233976948.85
1129701690	Capacitor	C327,C329,C33,C331,C333,C335,-C337,C340,C344-C346,C350-C352-,C354,C36,C360	Bellcore Issue 6	Level I		0.004274	17.00	.6770	0.072657	233976948.85
1129701690	Capacitor	C361,C363,C364C37,C378,C379,C38-C40,C404,C405,C42,C435,C436-,C438,C439,C44	Bellcore Issue 6	Level I		0.004274	17.00	.6770	0.072657	233976948.85
1129701690	Capacitor	C440-C443,C446,C46,C55,C56,C6-,C63-C66,C69,C7,C70-C72,C75-C8-2,C8,C87,C89	Bellcore Issue 6	Level I		0.004274	29.00	1.1548	0.123944	233976948.85
1129701690	Capacitor	C90	Bellcore Issue 6	Level I		0.004274	1.00	.0398	0.004274	233976948.85
1315030110	Semiconductor	Q11-Q13	Bellcore Issue 6	Level I		0.000000	3.00	.0000	0.000000	.00
105A702263	Resistor	R18,R250	Bellcore Issue 6	Level I		0.002137	2.00	.0398	0.004274	467953897.71
1315970110	Semiconductor	U10,U12-U15,U38	Bellcore Issue 6	Level I		0.072963	6.00	4.0790	0.437781	13705485.63
14S3115000	Integrated Circuit	U1	Bellcore Issue 6	Level I		0.047561	1.00	.4432	0.047561	21025424.41
1315002010	Semiconductor	Q6,Q7	Bellcore Issue 6	Level I		0.072963	2.00	1.3597	0.145927	13705485.63
105A547503	Resistor	R76	Bellcore Issue 6	Level I		0.002137	1.00	.0199	0.002137	467953897.71
14S5A12503	Integrated Circuit	U34	Bellcore Issue 6	Level I		0.032883	1.00	.3064	0.032883	30410539.78
1315203410	Semiconductor	U20,U23,U24	Bellcore Issue 6	Level I		0.072963	3.00	2.0395	0.218890	13705485.63
106B501031	Resistor	RT1-RT3	Bellcore Issue 6	Level I		0.009713	3.00	.2715	0.029139	102956464.71
1311006910	Semiconductor	Q14,Q15	Bellcore Issue 6	Level I		0.021889	2.00	.4079	0.043778	45684952.11
14S5800000	Integrated Circuit	U22	Bellcore Issue 6	Level I		0.032883	1.00	.3064	0.032883	30410539.78
105A553663	Resistor	R291	Bellcore Issue 6	Level I		0.002137	1.00	.0199	0.002137	467953897.71
1301002240	Semiconductor	D3,D4	Bellcore Issue 6	Level I		0.021889	2.00	.4079	0.043778	45684952.11
14S6340808	Integrated Circuit	U27	Bellcore Issue 6	Level I		0.038339	1.00	.3572	0.038339	26082983.95
1654262300	Connection	MPC11	Bellcore Issue 6	Level I		0.060220	1.00	.5611	0.060220	16605881.41
1304101340	Semiconductor	D5,D6	Bellcore Issue 6	Level I		0.003696	2.00	.0689	0.007392	270545930.34
14S5A00820	Integrated Circuit	U21	Bellcore Issue 6	Level I		0.032883	1.00	.3064	0.032883	30410539.78
1653925216	Connection	CFD1	Bellcore Issue 6	Level I		0.024282	1.00	.2262	0.024282	41182585.88
1121701080	Capacitor	C1,C147,C148,C179,C182-C184,C-192-C204,C2,C206,C224,C27,C273-,C290-C293,C367	Bellcore Issue 6	Level I		0.004274	30.00	1.1947	0.128218	233976948.85
1121701080	Capacitor	C444,C48-C51,C54,C57-C60	Bellcore Issue 6	Level I		0.004274	10.00	.3982	0.042739	233976948.85

AAEON Reliability Prediction Report

Part Number 9697915A02
Reference Des
Date 06. 27, 2006
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 22.00

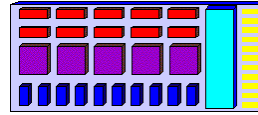


Description
File Name COM915+ECB915A.RPJ
Time 1:41 下午
Failure Rate 10.732513
MTBF 93,175

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1315030210	Semiconductor	Q5	Bellcore Issue 6	Level I		0.000000	1.00	.0000	0.000000	.00
1315441012	Semiconductor	Q1	Bellcore Issue 6	Level I		0.072963	1.00	.6798	0.072963	13705485.63
1211103366	Inductor	L1	Bellcore Issue 6	Level I		0.081205	1.00	.7566	0.081205	12314576.26
1129610051	Capacitor	C10,C11,C15-C18,C185,C19,C207-,C231,C234,C237,C261,C266,C285-,C286,C29,C311	Bellcore Issue 6	Level I		0.004274	18.00	.7168	0.076931	233976948.85
1129610051	Capacitor	C313,C324,C325,C338,C339,C343-,C349,C35,C353,C359,C362,C41,C-43,C5,C67,C68	Bellcore Issue 6	Level I		0.004274	16.00	.6372	0.068383	233976948.85
1129610051	Capacitor	C83,C84,C88	Bellcore Issue 6	Level I		0.004274	3.00	.1195	0.012822	233976948.85
1315700310	Semiconductor	Q2	Bellcore Issue 6	Level I		0.072963	1.00	.6798	0.072963	13705485.63
14S3065500	Integrated Circuit	U19	Bellcore Issue 6	Level I		0.047561	1.00	.4432	0.047561	21025424.41
14S5A12505	Integrated Circuit	U37	Bellcore Issue 6	Level I		0.032883	1.00	.3064	0.032883	30410539.78
1315230111	Semiconductor	Q8,Q9	Bellcore Issue 6	Level I		0.145927	2.00	2.7193	0.291854	6852742.82
14S4871203	Integrated Circuit	U7,U8	Bellcore Issue 6	Level I		0.032883	2.00	.6128	0.065767	30410539.78
14S4650601	Integrated Circuit	U3	Bellcore Issue 6	Level I		0.047561	1.00	.4432	0.047561	21025424.41
1315442910	Semiconductor	Q3	Bellcore Issue 6	Level I		0.072963	1.00	.6798	0.072963	13705485.63
14S6200403	Integrated Circuit	U18	Bellcore Issue 6	Level I		0.121640	1.00	1.1334	0.121640	8220987.21
14S4805301	Integrated Circuit	U28	Bellcore Issue 6	Level I		0.032883	1.00	.3064	0.032883	30410539.78
14S4381110	Integrated Circuit	U25	Bellcore Issue 6	Level I		0.032883	1.00	.3064	0.032883	30410539.78
14S3910800	Integrated Circuit	U5	Bellcore Issue 6	Level I		0.047561	1.00	.4432	0.047561	21025424.41
1653926110	Connection	CN17	Bellcore Issue 6	Level I		0.012627	1.00	.1176	0.012627	79197280.55
14S8206403	Integrated Circuit	U41	Bellcore Issue 6	Level I		0.047561	1.00	.4432	0.047561	21025424.41
1653926210	Connection	CN18	Bellcore Issue 6	Level I		0.025253	1.00	.2353	0.025253	39598640.27
16540M0200	Connection	CN4,CN5	Bellcore Issue 6	Level I		0.106841	2.00	1.9910	0.213683	9359678.61
1059700001	Resistor	L2	Bellcore Issue 6	Level I		0.002137	1.00	.0199	0.002137	467953897.71
14S2921400	Integrated Circuit	U43	Bellcore Issue 6	Level I		0.047561	1.00	.4432	0.047561	21025424.41
1315668011	Semiconductor	U44,U45	Bellcore Issue 6	Level I		0.072963	2.00	1.3597	0.145927	13705485.63
1112633190	Capacitor	EC14	Bellcore Issue 6	Level I		0.036423	1.00	.3394	0.036423	27455057.26
105A503323	Resistor	R373	Bellcore Issue 6	Level I		0.002137	1.00	.0199	0.002137	467953897.71
105A701539	Resistor	R368	Bellcore Issue 6	Level I		0.002137	1.00	.0199	0.002137	467953897.71
14S5A00401	Integrated Circuit	U9	Bellcore Issue 6	Level I		0.032883	1.00	.3064	0.032883	30410539.78

AAEON Reliability Prediction Report

Part Number 9697915A02
Reference Des
Date 06. 27, 2006
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 22.00



Description
File Name COM915+ECB915A.RPJ
Time 1:41 下午
Failure Rate 10.732513
MTBF 93,175

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1654030001	Connection	CN9	Bellcore Issue 6	Level I		0.014569	1.00	.1357	0.014569	68637643.14
1655004020	Connection	CN16	Bellcore Issue 6	Level I		0.001943	1.00	.0181	0.001943	514782323.56
1653003201	Connection	CN19,JP6-JP8	Bellcore Issue 6	Level I		0.002914	4.00	.1086	0.011655	343188215.71
1654260207	Connection	PCI1	Bellcore Issue 6	Level I		0.058277	1.00	.5430	0.058277	17159410.79