



AAEON Technology INC.
ISO-9001/ISO-14001 Certified
Industrial Automation PCs

SBC-659P

Reliability Prediction Report

(MTBF)

Release Date: FEB. 07, 2002

Issue Stamp

QA Manager

QE Manager

Test Engineer

Reliability Prediction (MTBF)

I . Model Name: SBC-659P

II .Description: AIO Half-size CPU Card. FC/Socket 370. 2LAN. (Rev:A0.4)

III . Prediction Date: FEB. 07. 2002

IV . Prediction Site: AAEON QE Dept.

V . Predicted by : Linda Sun

VI . Equipment: Relex Ver.7.2 Visual Reliability Software

VII. Simulation Environment:

- Temperature: 25 degrees C(No temperature rise condition)
- Standard: Telcordia (Bellcore) Standard

VIII. 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.

IX. Prediction Result:

- Failure Rate: 9.089837ppm
- MTBF: 110,013Hours

X. Prediction Table:

AAEON Reliability Prediction Report

Part Number 9697659016
Reference Des
Date 02. 7, 2002
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00



Description Top-level assembly
File Name SBC-659P-A04.RPJ
Time 6:40 PM
Failure Rate 9.089837
MTBF 110,013

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
SBC-659P-A04	9697659016	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	9.089837	110,013

AAEON Reliability Prediction Report

Part Number 9697659016
Reference Des
Date 02. 7, 2002
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00

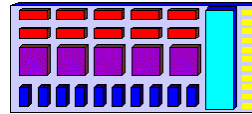


Description Top-level assembly
File Name SBC-659P-A04.RPJ
Time 6:40 PM
Failure Rate 9.089837
MTBF 110,013

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1059501001	Resistor	R250	Bellcore Issue 6	Level I		0.002268	1.00	.0249	0.002268	440974090.03
1059700001	Resistor	FB7,FB42	Bellcore Issue 6	Level I		0.002268	2.00	.0499	0.004535	440974090.03
105A523723	Resistor	R312	Bellcore Issue 6	Level I		0.002268	1.00	.0249	0.002268	440974090.03
105A551123	Resistor	R300,R303	Bellcore Issue 6	Level I		0.002268	2.00	.0499	0.004535	440974090.03
105A520003	Resistor	R353	Bellcore Issue 6	Level I		0.002268	1.00	.0249	0.002268	440974090.03
105A517403	Resistor	R75	Bellcore Issue 6	Level I		0.002268	1.00	.0249	0.002268	440974090.03
105A554903	Resistor	R82,R126	Bellcore Issue 6	Level I		0.002268	2.00	.0499	0.004535	440974090.03
105A513003	Resistor	R115	Bellcore Issue 6	Level I		0.002268	1.00	.0249	0.002268	440974090.03
105A503033	Resistor	R135,R365	Bellcore Issue 6	Level I		0.002268	2.00	.0499	0.004535	440974090.03
105A523233	Resistor	R136	Bellcore Issue 6	Level I		0.002268	1.00	.0249	0.002268	440974090.03
105A512033	Resistor	R137	Bellcore Issue 6	Level I		0.002268	1.00	.0249	0.002268	440974090.03
105A505633	Resistor	R149-150	Bellcore Issue 6	Level I		0.002268	2.00	.0499	0.004535	440974090.03
105A501823	Resistor	R173,R175,R207	Bellcore Issue 6	Level I		0.002268	3.00	.0748	0.006803	440974090.03
105A502033	Resistor	R182	Bellcore Issue 6	Level I		0.002268	1.00	.0249	0.002268	440974090.03
105A519103	Resistor	R192,R331	Bellcore Issue 6	Level I		0.002268	2.00	.0499	0.004535	440974090.03
105A502223	Resistor	R202,R222,R243,R266,R268	Bellcore Issue 6	Level I		0.002268	5.00	.1247	0.011339	440974090.03
105A511503	Resistor	R208,R330	Bellcore Issue 6	Level I		0.002268	2.00	.0499	0.004535	440974090.03
105A511103	Resistor	R289	Bellcore Issue 6	Level I		0.002268	1.00	.0249	0.002268	440974090.03
105A505603	Resistor	R239,R244,R246,R277	Bellcore Issue 6	Level I		0.002268	4.00	.0998	0.009071	440974090.03
105A548713	Resistor	R242	Bellcore Issue 6	Level I		0.002268	1.00	.0249	0.002268	440974090.03
105A512003	Resistor	R249	Bellcore Issue 6	Level I		0.002268	1.00	.0249	0.002268	440974090.03
105A508203	Resistor	R254,R271	Bellcore Issue 6	Level I		0.002268	2.00	.0499	0.004535	440974090.03
105A563463	Resistor	R259	Bellcore Issue 6	Level I		0.002268	1.00	.0249	0.002268	440974090.03
105A501403	Resistor	R282	Bellcore Issue 6	Level I		0.002268	1.00	.0249	0.002268	440974090.03
105A573203	Resistor	R195	Bellcore Issue 6	Level I		0.002268	1.00	.0249	0.002268	440974090.03
105A540263	Resistor	R52,R77,R260,R274	Bellcore Issue 6	Level I		0.002268	4.00	.0998	0.009071	440974090.03
105A561903	Resistor	R73,R85,R91,R119,R129-130	Bellcore Issue 6	Level I		0.002268	6.00	.1497	0.013606	440974090.03
105A510003	Resistor	R71,R81,R117,R125,R178,R190-1-91,R209	Bellcore Issue 6	Level I		0.002268	8.00	.1996	0.018142	440974090.03
105A507503	Resistor	R67,R240,R252,R281,R290	Bellcore Issue 6	Level I		0.002268	5.00	.1247	0.011339	440974090.03
105A530003	Resistor	R64-65,R273,R283	Bellcore Issue 6	Level I		0.002268	4.00	.0998	0.009071	440974090.03

AAEON Reliability Prediction Report

Part Number 9697659016
Reference Des
Date 02. 7, 2002
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00



Description Top-level assembly
File Name SBC-659P-A04.RPJ
Time 6:40 PM
Failure Rate 9.089837
MTBF 110,013

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A703303	Resistor	R33-34,R66,R88-90,R93-96,R100,-R102,R104,R140,R143-145,R155--157,R172,R187,R315,R335-338,R-342-343,R345	Bellcore Issue 6	Level I		0.002268	30.00	.7484	0.068031	440974090.03
105A700003	Resistor	R16,R18,R21,R28,R36,R78,R103,-R105,R120,R122-123,R127,R152--153,R163,R180,R205,R226,R231,-R245,R256,R295,R306,R320,R325--326,R334,R349,R361,R362,R364,-R370,R374	Bellcore Issue 6	Level I		0.002268	33.00	.8233	0.074834	440974090.03
105A733003	Resistor	R1,R167,R171,R204,R206,R296,R-308-309,R316,R327-328,R344	Bellcore Issue 6	Level I		0.002268	12.00	.2994	0.027212	440974090.03
105A708223	Resistor	R9,R19,R29,R35,R37-41,R44,R51,-R55,R113-114,R139,R174,R176,R-185,R198,R210,R263-264,R275,R-317	Bellcore Issue 6	Level I		0.002268	24.00	.5987	0.054425	440974090.03
105A704723	Resistor	R11-13,R17,R23,R31,R43,R45-47,-R56-58,R70,R72,R74,R83,R86,R1-18,R151,R181,R186,R211,R262,R-278-279,R302,R305,R318,R379,R-381,	Bellcore Issue 6	Level I		0.002268	31.00	.7734	0.070299	440974090.03
106B501030	Resistor	RT1	Bellcore Issue 6	Level I		0.011379	1.00	.1252	0.011379	87878027.07
1121701050	Capacitor	C72	Bellcore Issue 6	Level I		0.002539	1.00	.0279	0.002539	393852661.82
1124412080	Capacitor	C1,C79	Bellcore Issue 6	Level I		0.001060	2.00	.0233	0.002120	943198589.05
1129722090	Capacitor	TC10-11,TC24,TC38-39,TC42	Bellcore Issue 6	Level I		0.005466	6.00	.3608	0.032794	182961702.19
1121710090	Capacitor	TC14,TC22,TC44-46	Bellcore Issue 6	Level I		0.002539	5.00	.1397	0.012695	393852661.82
1121747660	Capacitor	TC2-4,TC6-9,TC16,TC23,TC31,TC-33-34,TC47	Bellcore Issue 6	Level I		0.002539	13.00	.3631	0.033007	393852661.82
1124515850	Capacitor	C161	Bellcore Issue 6	Level I		0.001060	1.00	.0117	0.001060	943198589.05
1124420080	Capacitor	C149-150	Bellcore Issue 6	Level I		0.001060	2.00	.0233	0.002120	943198589.05
1124415080	Capacitor	C117	Bellcore Issue 6	Level I		0.001060	1.00	.0117	0.001060	943198589.05
1124522180	Capacitor	C95	Bellcore Issue 6	Level I		0.001060	1.00	.0117	0.001060	943198589.05
1124405080	Capacitor	C89,C96,C105,C110,C121-122	Bellcore Issue 6	Level I		0.001060	6.00	.0700	0.006361	943198589.05
1124522280	Capacitor	C77	Bellcore Issue 6	Level I		0.001060	1.00	.0117	0.001060	943198589.05
1121722650	Capacitor	C76,C86,C108	Bellcore Issue 6	Level I		0.002539	3.00	.0838	0.007617	393852661.82
1124510180	Capacitor	C74	Bellcore Issue 6	Level I		0.000900	1.00	.0099	0.000900	1111290079.59

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Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00



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Time 6:40 PM
Failure Rate 9.089837
MTBF 110,013

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1121647780	Capacitor	C55,C129-131,C133,C137,C143-146	Bellcore Issue 6	Level I		0.002539	10.00	.2793	0.025390	393852661.82
1124547180	Capacitor	C25,C30-31,C39,C100,C109,C112-113	Bellcore Issue 6	Level I		0.001060	8.00	.0933	0.008482	943198589.05
1121733780	Capacitor	C24,C27,C29,C36,C99,C104	Bellcore Issue 6	Level I		0.002539	6.00	.1676	0.015234	393852661.82
1124447080	Capacitor	C8,C75	Bellcore Issue 6	Level I		0.001060	2.00	.0233	0.002120	943198589.05
1121722780	Capacitor	C10,C80,C157,C162	Bellcore Issue 6	Level I		0.002539	4.00	.1117	0.010156	393852661.82
1124510280	Capacitor	C13-14,C19-20,C23,C140,C155,C158	Bellcore Issue 6	Level I		0.001060	8.00	.0933	0.008482	943198589.05
1129701080	Capacitor	C15,C21-22,C34,C63,C65,C73,C78-C125-128,C139,C141-142,C147-148,C159	Bellcore Issue 6	Level I		0.005466	18.00	1.0823	0.098381	182961702.19
1124422080	Capacitor	C4-5,C7,C9,C97	Bellcore Issue 6	Level I		0.001060	5.00	.0583	0.005301	943198589.05
1129747650	Capacitor	C2,C16,C33,C35,C40,C53-54,C57,-C59,C64,C71,C92	Bellcore Issue 6	Level I		0.005466	12.00	.7215	0.065587	182961702.19
1124410080	Capacitor	C6,C11-12,C18,C26,C101,C160,C163	Bellcore Issue 6	Level I		0.001060	8.00	.0933	0.008482	943198589.05
1124501780	Capacitor	C3,C28,C37,C41,C81-85,C87-88,C91,C93-94,C98,C102-103,C107,C111,C114-116,C118-120,C124,C156-C164	Bellcore Issue 6	Level I		0.001060	28.00	.3266	0.029686	943198589.05
1122701680	Capacitor	BC1-2,BC4-55,BC57-59,BC61-68,-BC71-161,BC163-167,BC170-174,-BC176-178,BC180-214	Bellcore Issue 6	Level I		0.001598	204.00	3.5854	0.325903	625953979.55
1139710060	Capacitor	TC12-13,TC20,TC25,TC28,TC43	Bellcore Issue 6	Level I		0.005466	6.00	.3608	0.032794	182961702.19
1174510080	Capacitor	CP9,CP12(*4)	Bellcore Issue 6	Level I		0.001060	8.00	.0933	0.008482	943198589.05
1174547080	Capacitor	CP7-8,CP10-11(*4)	Bellcore Issue 6	Level I		0.001060	16.00	.1866	0.016964	943198589.05
1174510180	Capacitor	CP1-6(*4)	Bellcore Issue 6	Level I		0.001060	24.00	.2799	0.025445	943198589.05
1119615294	Capacitor	EC1-2,EC7	Bellcore Issue 6	Level I		0.075338	3.00	2.4865	0.226015	13273483.15
1119622293	Capacitor	EC3-6,EC8-9	Bellcore Issue 6	Level I		0.075338	6.00	4.9729	0.452029	13273483.15
1189633080	Capacitor	TC19	Bellcore Issue 6	Level I	45.90	0.004547	1.00	.0500	0.004547	219928021.78
1189615181	Capacitor	TC35,TC37	Bellcore Issue 6	Level I		0.004933	2.00	.1085	0.009866	202722669.92
1189615181	Capacitor	TC41	Bellcore Issue 6	Level I	43.70	0.004348	1.00	.0478	0.004348	229971492.11
1189615181	Capacitor	TC40	Bellcore Issue 6	Level I	43.30	0.004313	1.00	.0474	0.004313	231863063.47
1189622181	Capacitor	TC36	Bellcore Issue 6	Level I		0.004535	1.00	.0499	0.004535	220487045.01
1189633060	Capacitor	TC5	Bellcore Issue 6	Level I		0.004535	1.00	.0499	0.004535	220487045.01

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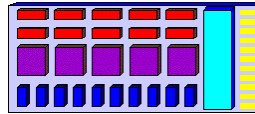


Description Top-level assembly
File Name SBC-659P-A04.RPJ
Time 6:40 PM
Failure Rate 9.089837
MTBF 110,013

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1189610181	Capacitor	TC1,TC15,TC17-18,TC29	Bellcore Issue 6	Level I		0.004933	5.00	.2713	0.024664	202722669.92
1189610181	Capacitor	TC21	Bellcore Issue 6	Level I	49.60	0.004894	1.00	.0538	0.004894	204320027.41
1231114350	Miscellaneous	Y3	Bellcore Issue 6	Level I		0.150000	1.00	1.6502	0.150000	6666666.67
1231232720	Miscellaneous	Y1	Bellcore Issue 6	Level I		0.150000	1.00	1.6502	0.150000	6666666.67
1231324550	Miscellaneous	Y2	Bellcore Issue 6	Level I		0.150000	1.00	1.6502	0.150000	6666666.67
1233314351	Miscellaneous	QSC3	Bellcore Issue 6	Level I		0.150000	1.00	1.6502	0.150000	6666666.67
1233325053	Miscellaneous	OSC1-2	Bellcore Issue 6	Level I		0.150000	2.00	3.3004	0.300000	6666666.67
1211104760	Inductor	L1	Bellcore Issue 6	Level I		0.002268	1.00	.0249	0.002268	440974090.03
1211100200	Inductor	L2	Bellcore Issue 6	Level I		0.086173	1.00	.9480	0.086173	11604581.32
1211100106	Inductor	L3	Bellcore Issue 6	Level I	62.40	0.108813	1.00	1.1971	0.108813	9190085.14
1212308050	Inductor	FB1,FB8-14,FB21,FB24,FB27,FB29- FB34-35,FB38-39,FB41,FB45-48	Bellcore Issue 6	Level I		0.002268	21.00	.5239	0.047622	440974090.03
1212308054	Inductor	FB2,FB22	Bellcore Issue 6	Level I		0.002268	2.00	.0499	0.004535	440974090.03
1212306031	Inductor	FB3-6,FB15-20,FB26,FB30-32,FB44	Bellcore Issue 6	Level I		0.002268	15.00	.3742	0.034016	440974090.03
1212306032	Inductor	FB23,FB25,FB28,FB33	Bellcore Issue 6	Level I		0.002268	4.00	.0998	0.009071	440974090.03
1213130008	Inductor	LN1-2(*4)	Bellcore Issue 6	Level I		0.002268	8.00	.1996	0.018142	440974090.03
1213160008	Inductor	LN4(*4)	Bellcore Issue 6	Level I		0.002268	4.00	.0998	0.009071	440974090.03
1314780501	Integrated Circuit	Q1	Bellcore Issue 6	Level I	40.30	0.028509	1.00	.3136	0.028509	35076064.36
1314108301	Integrated Circuit	Q3	Bellcore Issue 6	Level I		0.059366	1.00	.6531	0.059366	16844654.92
1314101010	Integrated Circuit	U16,U22	Bellcore Issue 6	Level I		0.059366	2.00	1.3062	0.118732	16844654.92
1314101010	Integrated Circuit	U17	Bellcore Issue 6	Level I	49.60	0.057652	1.00	.6342	0.057652	17345532.46
1304100540	Semiconductor	LED1	Bellcore Issue 6	Level I		0.004877	1.00	.0536	0.004877	205063180.81
1300103540	Semiconductor	D5	Bellcore Issue 6	Level I	40.00	0.017738	1.00	.1951	0.017738	56376333.07
1301005440	Semiconductor	D1,D3,D7-9	Bellcore Issue 6	Level I		0.023881	5.00	1.3136	0.119405	41874327.58
1301005441	Semiconductor	D4,D10-12	Bellcore Issue 6	Level I		0.023881	4.00	1.0509	0.095524	41874327.58
1301005442	Semiconductor	D2,D6,D13-14	Bellcore Issue 6	Level I		0.023881	4.00	1.0509	0.095524	41874327.58
1315700211	Semiconductor	Q2,Q6-8,Q10,Q12,Q14,Q16,Q18,Q- 22-23	Bellcore Issue 6	Level I		0.079603	11.00	9.6331	0.875636	12562298.27
1315610710	Semiconductor	Q9	Bellcore Issue 6	Level I	64.30	0.235653	1.00	2.5925	0.235653	4243519.72
1315610710	Semiconductor	Q13	Bellcore Issue 6	Level I		0.159207	1.00	1.7515	0.159207	6281149.14
1315610710	Semiconductor	Q15	Bellcore Issue 6	Level I	41.30	0.123057	1.00	1.3538	0.123057	8126318.25
1315103110	Semiconductor	Q5,Q17	Bellcore Issue 6	Level I		0.159207	2.00	3.5030	0.318413	6281149.14

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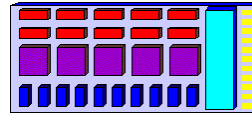


Description Top-level assembly
File Name SBC-659P-A04.RPJ
Time 6:40 PM
Failure Rate 9.089837
MTBF 110,013

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1315030710	Semiconductor	Q19	Bellcore Issue 6	Level I	40.70	0.060411	1.00	.6646	0.060411	16553370.30
1315030710	Semiconductor	Q20	Bellcore Issue 6	Level I	39.10	0.057507	1.00	.6326	0.057507	17389327.02
1311290710	Semiconductor	Q21	Bellcore Issue 6	Level I		0.023881	1.00	.2627	0.023881	41874327.58
1310222210	Semiconductor	Q4,Q11	Bellcore Issue 6	Level I		0.023881	2.00	.5254	0.047762	41874327.58
14S5A38400	Integrated Circuit	U1	Bellcore Issue 6	Level I	38.30	0.019206	1.00	.2113	0.019206	52067457.00
14S5A00700	Integrated Circuit	U18	Bellcore Issue 6	Level I		0.037889	1.00	.4168	0.037889	26392869.26
14S5A01421	Integrated Circuit	U30	Bellcore Issue 6	Level I		0.037889	1.00	.4168	0.037889	26392869.26
14S4070600	Integrated Circuit	U2	Bellcore Issue 6	Level I		0.059366	1.00	.6531	0.059366	16844654.92
14S3020010	Integrated Circuit	U3	Bellcore Issue 6	Level I	39.10	0.025947	1.00	.2854	0.025947	38540301.37
14S5A01400	Integrated Circuit	U9	Bellcore Issue 6	Level I		0.059366	1.00	.6531	0.059366	16844654.92
14S3420100	Integrated Circuit	U12	Bellcore Issue 6	Level I	47.20	0.048276	1.00	.5311	0.048276	20714049.97
14S3020100	Integrated Circuit	U21	Bellcore Issue 6	Level I		0.059366	1.00	.6531	0.059366	16844654.92
14S4048501	Integrated Circuit	U23-24	Bellcore Issue 6	Level I		0.059366	2.00	1.3062	0.118732	16844654.92
14S4021300	Integrated Circuit	U25	Bellcore Issue 6	Level I	39.00	0.025743	1.00	.2832	0.025743	38845368.65
14S4021300	Integrated Circuit	U27	Bellcore Issue 6	Level I	42.30	0.033297	1.00	.3663	0.033297	30032301.64
14S3128420	Integrated Circuit	U29	Bellcore Issue 6	Level I	42.60	0.034076	1.00	.3749	0.034076	29346430.33
14S2039300	Integrated Circuit	U20	Bellcore Issue 6	Level I		0.045998	1.00	.5060	0.045998	21739992.33
14S4652400	Integrated Circuit	U15	Bellcore Issue 6	Level I		0.059366	1.00	.6531	0.059366	16844654.92
14S4280100	Integrated Circuit	U4	Bellcore Issue 6	Level I	37.00	0.017673	1.00	.1944	0.017673	56583257.92
14S4255900	Integrated Circuit	U7	Bellcore Issue 6	Level I	40.30	0.021796	1.00	.2398	0.021796	45880781.43
14S4255900	Integrated Circuit	U14	Bellcore Issue 6	Level I	40.30	0.021796	1.00	.2398	0.021796	45880781.43
14S4888800	Integrated Circuit	U26	Bellcore Issue 6	Level I		0.039296	1.00	.4323	0.039296	25448028.36
14S4871200	Integrated Circuit	U28	Bellcore Issue 6	Level I	39.40	0.020594	1.00	.2266	0.020594	48557599.26
14S4281501	Integrated Circuit	U5	Bellcore Issue 6	Level I		0.039296	1.00	.4323	0.039296	25448028.36
14S6334610	Integrated Circuit	U6,U13	Bellcore Issue 6	Level I		0.030598	2.00	.6732	0.061196	32681842.61
14S6200200	Integrated Circuit	U11	Bellcore Issue 6	Level I		0.136173	1.00	1.4981	0.136173	7343591.05
15407560A0	Resistor	RN1-8,RN14-19	Bellcore Issue 6	Level I		0.006246	14.00	.9620	0.087444	160102772.00
15407103A0	Resistor	RN9-13,RN20-22	Bellcore Issue 6	Level I		0.006246	8.00	.5497	0.049968	160102772.00
1540700080	Resistor	LN3,RP1,RP7,RP10,RP12	Bellcore Issue 6	Level I		0.006246	5.00	.3436	0.031230	160102772.00
1540747282	Resistor	RP2,RP25	Bellcore Issue 6	Level I		0.006246	2.00	.1374	0.012492	160102772.00
1540710080	Resistor	RP3	Bellcore Issue 6	Level I		0.006246	1.00	.0687	0.006246	160102772.00

AAEON Reliability Prediction Report

Part Number 9697659016
Reference Des
Date 02. 7, 2002
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00



Description Top-level assembly
File Name SBC-659P-A04.RPJ
Time 6:40 PM
Failure Rate 9.089837
MTBF 110,013

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1540782280	Resistor	RP4,RP6,RP11,RP22-23	Bellcore Issue 6	Level I		0.006246	5.00	.3436	0.031230	160102772.00
1540727280	Resistor	RP5,RP14-15,RP26	Bellcore Issue 6	Level I		0.006246	4.00	.2749	0.024984	160102772.00
1540710380	Resistor	RP13,RP27-28	Bellcore Issue 6	Level I		0.006246	3.00	.2061	0.018738	160102772.00
1540715380	Resistor	RP16,RP18	Bellcore Issue 6	Level I		0.006246	2.00	.1374	0.012492	160102772.00
1540722280	Resistor	RP17	Bellcore Issue 6	Level I		0.006246	1.00	.0687	0.006246	160102772.00
1540715080	Resistor	RP19-20	Bellcore Issue 6	Level I		0.006246	2.00	.1374	0.012492	160102772.00
1540701380	Resistor	RP21	Bellcore Issue 6	Level I		0.006246	1.00	.0687	0.006246	160102772.00
1540733082	Resistor	RP24	Bellcore Issue 6	Level I		0.006246	1.00	.0687	0.006246	160102772.00
1653005201	Connection	CN4	Bellcore Issue 6	Level I		0.005690	1.00	.0626	0.005690	175756054.14
1653132220	Connection	CN14	Bellcore Issue 6	Level I		0.036414	1.00	.4006	0.036414	27461883.46
1653120225	Connection	CN14	Bellcore Issue 6	Level I		0.022759	1.00	.2504	0.022759	43939013.54
1655005021	Connection	CN15	Bellcore Issue 6	Level I		0.002845	1.00	.0313	0.002845	351512108.28
1655420020	Connection	CN16	Bellcore Issue 6	Level I		0.011379	1.00	.1252	0.011379	87878027.07
1653006100	Connection	CN19	Bellcore Issue 6	Level I		0.003414	1.00	.0376	0.003414	292926756.90
1653003201	Connection	JP4,JP5*2,JP6	Bellcore Issue 6	Level I		0.003414	4.00	.1502	0.013655	292926756.90
1653005202	Connection	CN5-6,CN11,CN13	Bellcore Issue 6	Level I		0.005690	4.00	.2504	0.022759	175756054.14
1653017201	Connection	CN7	Bellcore Issue 6	Level I		0.019345	1.00	.2128	0.019345	51692957.10
1653007204	Connection	CN9	Bellcore Issue 6	Level I		0.007966	1.00	.0876	0.007966	125540038.67
1653013202	Connection	CN17	Bellcore Issue 6	Level I		0.014793	1.00	.1627	0.014793	67598482.36
1651607920	Connection	U8	Bellcore Issue 6	Level I		0.210519	1.00	2.3160	0.210519	4750163.63
1653925212	Connection	CN22	Bellcore Issue 6	Level I		0.028449	1.00	.3130	0.028449	35151210.83
1651572990	Connection	DIMM1	Bellcore Issue 6	Level I		0.081932	1.00	.9014	0.081932	12205281.54
1651203291	Connection	U11	Bellcore Issue 6	Level I		0.018207	1.00	.2003	0.018207	54923766.92
1653020206	Connection	CN1	Bellcore Issue 6	Level I		0.022759	1.00	.2504	0.022759	43939013.54
1655306020	Connection	CN2	Bellcore Issue 6	Level I		0.003414	1.00	.0376	0.003414	292926756.90
1653220208	Connection	CN3	Bellcore Issue 6	Level I		0.022759	1.00	.2504	0.022759	43939013.54
1653005201	Connection	JP1	Bellcore Issue 6	Level I		0.005690	1.00	.0626	0.005690	175756054.14
1654515302	Connection	CN8	Bellcore Issue 6	Level I		0.009672	1.00	.1064	0.009672	103385914.20
1652510200	Connection	CN10,CN12	Bellcore Issue 6	Level I		0.006828	2.00	.1502	0.013655	146463378.45
1654606303	Connection	CN18	Bellcore Issue 6	Level I		0.004552	1.00	.0501	0.004552	219695067.68
1655003000	Connection	CN20	Bellcore Issue 6	Level I		0.001707	1.00	.0188	0.001707	585853513.81

