



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

PCM-6896
Reliability Prediction Report
(MTBF)

Release Date: JAN. 02, 2002

Issue Stamp

QA Manager

QE Manager

Test Engineer

Reliability Prediction (MTBF)

I . Model Name: PCM-6896

II .Description: AIO Compact Board. Socket 370. LCD/Ethernet/Audio/SSD. Compact Flash & 4USBs.(Rev:B1.1)

III . Prediction Date: JAN. 02. 2002

IV. Prediction Site: AAEON QE Dept.

V . Predicted by : Linda Sun

VI. Equipment: Relx 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: 8.097691ppm
- MTBF: 123,492Hours

X. Prediction Table:

AAEON Reliability Prediction Report

Part Number 9697689612
Reference Des
Date 01. 2, 2002
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00



Description Top-level assembly
File Name 6896.rpj
Time 9:22 AM
Failure Rate 8.097691
MTBF 123,492

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
PCM-6896	9697689612	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	8.097691	123,492

AAEON Reliability Prediction Report

Part Number 9697689612
Reference Des
Date 01. 2, 2002
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00

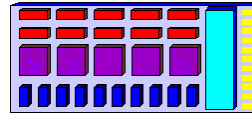


Description Top-level assembly
File Name 6896.rpj
Time 9:22 AM
Failure Rate 8.097691
MTBF 123,492

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A518703	Resistor	R424,R451	Bellcore Issue 6	Level I		0.002268	2.00	.0560	0.004535	440974090.03
105A511503	Resistor	R423,R450	Bellcore Issue 6	Level I		0.002268	2.00	.0560	0.004535	440974090.03
105A511103	Resistor	R23-24	Bellcore Issue 6	Level I		0.002268	2.00	.0560	0.004535	440974090.03
105A507503	Resistor	R25,R56,R122-124,R241-244	Bellcore Issue 6	Level I		0.002268	9.00	.2520	0.020409	440974090.03
105A540363	Resistor	R64,R73,R82	Bellcore Issue 6	Level I		0.002268	3.00	.0840	0.006803	440974090.03
105A530003	Resistor	R78,R81	Bellcore Issue 6	Level I		0.002268	2.00	.0560	0.004535	440974090.03
105A517403	Resistor	R80	Bellcore Issue 6	Level I		0.002268	1.00	.0280	0.002268	440974090.03
105A502223	Resistor	R83,R125-126,R160,R162,R374-3-75	Bellcore Issue 6	Level I		0.002268	7.00	.1960	0.015874	440974090.03
105A503423	Resistor	R157	Bellcore Issue 6	Level I		0.002268	1.00	.0280	0.002268	440974090.03
105A502033	Resistor	R175-176	Bellcore Issue 6	Level I		0.002268	2.00	.0560	0.004535	440974090.03
105A569103	Resistor	R231	Bellcore Issue 6	Level I		0.002268	1.00	.0280	0.002268	440974090.03
105A554903	Resistor	R232	Bellcore Issue 6	Level I		0.002268	1.00	.0280	0.002268	440974090.03
105A512003	Resistor	R240,R251	Bellcore Issue 6	Level I		0.002268	2.00	.0560	0.004535	440974090.03
105A560463	Resistor	R254	Bellcore Issue 6	Level I		0.002268	1.00	.0280	0.002268	440974090.03
105A510003	Resistor	R239,R271-272	Bellcore Issue 6	Level I		0.002268	3.00	.0840	0.006803	440974090.03
105A501033	Resistor	R174,R177,R294-295,R304-305,R-317,R319	Bellcore Issue 6	Level I		0.002268	8.00	.2240	0.018142	440974090.03
105A503033	Resistor	R308	Bellcore Issue 6	Level I		0.002268	1.00	.0280	0.002268	440974090.03
105A523233	Resistor	R311	Bellcore Issue 6	Level I		0.002268	1.00	.0280	0.002268	440974090.03
105A512033	Resistor	R312	Bellcore Issue 6	Level I		0.002268	1.00	.0280	0.002268	440974090.03
105A505633	Resistor	R321-322	Bellcore Issue 6	Level I		0.002268	2.00	.0560	0.004535	440974090.03
105A508203	Resistor	R17-18,R57,R301,R303	Bellcore Issue 6	Level I		0.002268	5.00	.1400	0.011339	440974090.03
105A515003	Resistor	R2-3,R5-7,R10-11,R20,R22,R26-27-,R58	Bellcore Issue 6	Level I		0.002268	12.00	.3361	0.027212	440974090.03
105A704739	Resistor	R215	Bellcore Issue 6	Level I		0.002268	1.00	.0280	0.002268	440974090.03
105A733003	Resistor	R1,R4,R8,R237-238,R396,R410	Bellcore Issue 6	Level I		0.002268	7.00	.1960	0.015874	440974090.03
105A768003	Resistor	R9	Bellcore Issue 6	Level I		0.002268	1.00	.0280	0.002268	440974090.03
105A701823	Resistor	R325-326	Bellcore Issue 6	Level I		0.002268	2.00	.0560	0.004535	440974090.03
105A700133	Resistor	R12-13,R103,R111,R113,R300,R3-70-371,R419	Bellcore Issue 6	Level I		0.002268	9.00	.2520	0.020409	440974090.03
105A704703	Resistor	R14-15,R158	Bellcore Issue 6	Level I		0.002268	3.00	.0840	0.006803	440974090.03
105A722003	Resistor	R19	Bellcore Issue 6	Level I		0.002268	1.00	.0280	0.002268	440974090.03

AAEON Reliability Prediction Report

Part Number 9697689612
Reference Des
Date 01. 2, 2002
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00

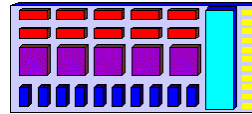


Description Top-level assembly
File Name 6896.rpj
Time 9:22 AM
Failure Rate 8.097691
MTBF 123,492

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A702203	Resistor	R21,R30,R32,R34,R36,R42,R67	Bellcore Issue 6	Level I		0.002268	7.00	.1960	0.015874	440974090.03
105A705603	Resistor	R28	Bellcore Issue 6	Level I		0.002268	1.00	.0280	0.002268	440974090.03
105A703303	Resistor	R29,R129,R219	Bellcore Issue 6	Level I		0.002268	3.00	.0840	0.006803	440974090.03
105A701003	Resistor	R43,R79,R368-369	Bellcore Issue 6	Level I		0.002268	4.00	.1120	0.009071	440974090.03
105A701033	Resistor	R53-55,R145,R149,R233,R258,R4-53	Bellcore Issue 6	Level I		0.002268	8.00	.2240	0.018142	440974090.03
105A708223	Resistor	R59-61,R327-328	Bellcore Issue 6	Level I		0.002268	5.00	.1400	0.011339	440974090.03
105A700003	Resistor	L20,R65-66,R68-72,R154,R179,R2-18,R230,R357,R376-377,R380-383-R388,R397,R456	Bellcore Issue 6	Level I		0.002268	22.00	.6161	0.049890	440974090.03
105A704723	Resistor	R222-223,R299,R302,R365-366,R-389	Bellcore Issue 6	Level I		0.002268	7.00	.1960	0.015874	440974090.03
105A701533	Resistor	R109	Bellcore Issue 6	Level I		0.002268	1.00	.0280	0.002268	440974090.03
105A710053	Resistor	R115	Bellcore Issue 6	Level I		0.013606	1.00	.1680	0.013606	73495681.67
105A710033	Resistor	R146,R150	Bellcore Issue 6	Level I		0.002268	2.00	.0560	0.004535	440974090.03
105A733033	Resistor	R147	Bellcore Issue 6	Level I		0.002268	1.00	.0280	0.002268	440974090.03
105A704733	Resistor	R297	Bellcore Issue 6	Level I		0.002268	1.00	.0280	0.002268	440974090.03
105A703923	Resistor	R257	Bellcore Issue 6	Level I		0.002268	1.00	.0280	0.002268	440974090.03
105A708229	Resistor	R100-101,R108,R132-134,R189,R-192,R331	Bellcore Issue 6	Level I		0.002268	9.00	.2520	0.020409	440974090.03
105A700139	Resistor	R102,R118,R141-144,R204-206,R-213,R220,R443	Bellcore Issue 6	Level I		0.002268	12.00	.3361	0.027212	440974090.03
105A704729	Resistor	R106-107,R131,R137-138,R140,R-166,R185,R196-198,R209,R226-22-9,R245,R274,R281,R411,R430,R4-41-442	Bellcore Issue 6	Level I		0.002268	23.00	.6441	0.052157	440974090.03
105A700009	Resistor	R110,R117,R121,R130,R186-187,-R190-191,R199-200,R211-212,R2-14,R221,R249,R256,R259,R266,R-269,R278,R378-379,R398,R429,R-439,R457	Bellcore Issue 6	Level I		0.002268	26.00	.7281	0.058960	440974090.03
105A701069	Resistor	R116,R224	Bellcore Issue 6	Level I		0.013606	2.00	.3361	0.027212	73495681.67
105A701039	Resistor	R135-136,R183,R250,R255,R283,-R306,R316,R318,R332-333,R447--449	Bellcore Issue 6	Level I		0.002268	14.00	.3921	0.031748	440974090.03
105A756039	Resistor	R120	Bellcore Issue 6	Level I		0.002268	1.00	.0280	0.002268	440974090.03

AAEON Reliability Prediction Report

Part Number 9697689612
Reference Des
Date 01. 2, 2002
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00



Description Top-level assembly
File Name 6896.rpj
Time 9:22 AM
Failure Rate 8.097691
MTBF 123,492

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A710009	Resistor	R184,R277	Bellcore Issue 6	Level I		0.002268	2.00	.0560	0.004535	440974090.03
105A703309	Resistor	R139,R194,R364	Bellcore Issue 6	Level I		0.002268	3.00	.0840	0.006803	440974090.03
105A701009	Resistor	R225	Bellcore Issue 6	Level I		0.002268	1.00	.0280	0.002268	440974090.03
105A702239	Resistor	R246,R248	Bellcore Issue 6	Level I		0.002268	2.00	.0560	0.004535	440974090.03
105A720009	Resistor	R260	Bellcore Issue 6	Level I		0.002268	1.00	.0280	0.002268	440974090.03
105A720039	Resistor	R265	Bellcore Issue 6	Level I		0.002268	1.00	.0280	0.002268	440974090.03
105A701529	Resistor	R263	Bellcore Issue 6	Level I		0.002268	1.00	.0280	0.002268	440974090.03
105A736039	Resistor	R268	Bellcore Issue 6	Level I		0.002268	1.00	.0280	0.002268	440974090.03
105A706829	Resistor	R307	Bellcore Issue 6	Level I		0.002268	1.00	.0280	0.002268	440974090.03
105A702229	Resistor	R95-98	Bellcore Issue 6	Level I		0.002268	4.00	.1120	0.009071	440974090.03
105A730009	Resistor	R92-93,R282	Bellcore Issue 6	Level I		0.002268	3.00	.0840	0.006803	440974090.03
105A706823	Resistor	R152-153,R155-156,R170-173,R3-09	Bellcore Issue 6	Level I		0.002268	9.00	.2520	0.020409	440974090.03
105A702723	Resistor	R454-455	Bellcore Issue 6	Level I		0.002268	2.00	.0560	0.004535	440974090.03
1059501001	Resistor	R151,R412-413	Bellcore Issue 6	Level I		0.002268	3.00	.0840	0.006803	440974090.03
1059700001	Resistor	FB19,FB23,FB35,L17	Bellcore Issue 6	Level I		0.002268	4.00	.1120	0.009071	440974090.03
106B501030	Resistor	RT1-2	Bellcore Issue 6	Level I		0.011379	2.00	.2811	0.022759	87878027.07
1124418080	Capacitor	C13,C18	Bellcore Issue 6	Level I		0.001060	2.00	.0262	0.002120	943198589.05
1124510280	Capacitor	BC186,BC190,BC193,BC196,BC19-9,BC202,BC205,BC208,BC211,BC-214,BC217,BC221,BC223,BC229--230,C69-74,C78-80,C85-86,C88,C-262,C264-265,R421-422	Bellcore Issue 6	Level I		0.001060	32.00	.4190	0.033927	943198589.05
1121747660	Capacitor	C83-84,C109,C201-202,TC2-4,TC1-2,TC17-20,TC29-30,TC33-36,TC45	Bellcore Issue 6	Level I		0.002539	20.00	.6271	0.050780	393852661.82
1121747660	Capacitor	TC46	Bellcore Issue 6	Level I	37.00	0.002323	1.00	.0287	0.002323	430420648.11
			Bellcore Issue 6			0.000000	1.00	.0000	0.000000	.00
1121722780	Capacitor	C162,C247-248,C251	Bellcore Issue 6	Level I		0.002539	4.00	.1254	0.010156	393852661.82

AAEON Reliability Prediction Report

Part Number 9697689612
Reference Des
Date 01. 2, 2002
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00

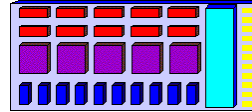


Description Top-level assembly
File Name 6896.rpj
Time 9:22 AM
Failure Rate 8.097691
MTBF 123,492

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1122701680	Capacitor	BC1-26,BC35,BC46-47,BC63,BC66-BC93-98,BC111-114,BC133-134,-BC137-138,BC152-154,BC156-158-BC161-167,BC169-178,BC180-185-BC188,BC191,BC194,BC197,BC200,BC203,BC207,BC210,BC213,B-C216,BC219-220,BC222,BC226,B-C228,C64,C99,C187-189,C195-196-C199-200,C280-285,C289,	Bellcore Issue 6	Level I		0.001598	106.00	2.0912	0.169342	625953979.55
1129701080	Capacitor	BC189,BC225,BC227,C39-40,C60--61,C94-95,C100,C102,C103,C105--106,C149,C270,C274	Bellcore Issue 6	Level I		0.005466	17.00	1.1474	0.092916	182961702.19
1121722660	Capacitor	C41	Bellcore Issue 6	Level I		0.002539	1.00	.0314	0.002539	393852661.82
1124522280	Capacitor	C42	Bellcore Issue 6	Level I		0.001060	1.00	.0131	0.001060	943198589.05
1124447080	Capacitor	BC192,BC195,BC198,BC201,BC20-4,BC206,BC209,BC212,BC215,BC-218	Bellcore Issue 6	Level I		0.001060	10.00	.1309	0.010602	943198589.05
1121547780	Capacitor	C3-5,C7-12	Bellcore Issue 6	Level I		0.002539	9.00	.2822	0.022851	393852661.82
1124522180	Capacitor	C66-68,C77,C96-97	Bellcore Issue 6	Level I		0.001060	6.00	.0786	0.006361	943198589.05
1129710090	Capacitor	C108,C164	Bellcore Issue 6	Level I		0.001060	2.00	.0262	0.002120	943198589.05
1129701790	Capacitor	C37,C230-232	Bellcore Issue 6	Level I		0.001598	4.00	.0789	0.006390	625953979.55
1129715090	Capacitor	C44-45	Bellcore Issue 6	Level I		0.001060	2.00	.0262	0.002120	943198589.05
1129747090	Capacitor	C56-57	Bellcore Issue 6	Level I		0.001060	2.00	.0262	0.002120	943198589.05
1129610260	Capacitor	C144	Bellcore Issue 6	Level I		0.000712	1.00	.0088	0.000712	1403854412.74
1174547080	Capacitor	CP4-5,NC5	Bellcore Issue 6	Level I		0.001060	3.00	.0393	0.003181	943198589.05
1124410080	Capacitor	C2,C191,C250,C253	Bellcore Issue 6	Level I		0.001060	4.00	.0524	0.004241	943198589.05
1124422080	Capacitor	C26,C31,C92-93,C141-142,C249,C-252	Bellcore Issue 6	Level I		0.001060	8.00	.1047	0.008482	943198589.05
1124501780	Capacitor	BC64-65,BC187,BC224,C30,C87,C-192,C206-209,C214-227,C229	Bellcore Issue 6	Level I		0.001060	26.00	.3404	0.027566	943198589.05
1129710390	Capacitor	C154	Bellcore Issue 6	Level I		0.001060	1.00	.0131	0.001060	943198589.05
1124527280	Capacitor	C165	Bellcore Issue 6	Level I		0.001060	1.00	.0131	0.001060	943198589.05
1129701690	Capacitor	BC36-37,BC39-43,BC61-62,BC67,-BC69-70,BC119-124,BC126-132,B-C135-136,BC139,C107,C133-140,-C145-146,C180,C197-198,C287-2-88,C290-296,M1-11	Bellcore Issue 6	Level I		0.002539	62.00	1.9440	0.157419	393852661.82

AAEON Reliability Prediction Report

Part Number 9697689612
Reference Des
Date 01. 2, 2002
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00

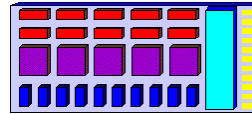


Description Top-level assembly
File Name 6896.rpj
Time 9:22 AM
Failure Rate 8.097691
MTBF 123,492

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1111610100	Capacitor	C58-59,C108	Bellcore Issue 6	Level I		0.027242	3.00	1.0093	0.081726	36707972.85
1119622290	Capacitor	C157,C172,C174-175,C178	Bellcore Issue 6	Level I		0.075338	5.00	4.6518	0.376691	13273483.15
1119610292	Capacitor	C159,C168,C171	Bellcore Issue 6	Level I		0.075338	3.00	2.7911	0.226015	13273483.15
1119615294	Capacitor	C151-152	Bellcore Issue 6	Level I		0.075338	2.00	1.8607	0.150676	13273483.15
1189610180	Capacitor	C18,C101,C147,C179	Bellcore Issue 6	Level I		0.004535	4.00	.2240	0.018142	220487045.01
1189633060	Capacitor	C203-204,C276,TC1	Bellcore Issue 6	Level I		0.004535	4.00	.2240	0.018142	220487045.01
1189633060	Capacitor	TC5	Bellcore Issue 6	Level I	35.20	0.003343	1.00	.0413	0.003343	299167907.68
1189633060	Capacitor	TC6	Bellcore Issue 6	Level I	34.10	0.003263	1.00	.0403	0.003263	306422420.91
1189633180	Capacitor	C150	Bellcore Issue 6	Level I	34.60	0.003588	1.00	.0443	0.003588	278676242.72
1189633180	Capacitor	C258	Bellcore Issue 6	Level I	34.00	0.003542	1.00	.0437	0.003542	282351283.95
1189633180	Capacitor	C259	Bellcore Issue 6	Level I	32.50	0.003427	1.00	.0423	0.003427	291823863.64
1189633180	Capacitor	C260	Bellcore Issue 6	Level I	33.50	0.003503	1.00	.0433	0.003503	285462989.20
1189633180	Capacitor	C261	Bellcore Issue 6	Level I	32.50	0.003427	1.00	.0423	0.003427	291823863.64
1139710060	Capacitor	C63,C65,C98,C205,TC13,TC16,TC-47-48	Bellcore Issue 6	Level I		0.004535	8.00	.4481	0.036283	220487045.01
1231114350	Miscellaneous	Y1	Bellcore Issue 6	Level I		0.150000	1.00	1.8524	0.150000	6666666.67
1231232720	Miscellaneous	Y2	Bellcore Issue 6	Level I		0.150000	1.00	1.8524	0.150000	6666666.67
1231124550	Miscellaneous	Y3	Bellcore Issue 6	Level I		0.150000	1.00	1.8524	0.150000	6666666.67
1231125050	Miscellaneous	Y5	Bellcore Issue 6	Level I		0.150000	1.00	1.8524	0.150000	6666666.67
1212308050	Inductor	FB1-2,FB5,FB7,FB12,FB18,FB20-2-1,FB30,L2,L4-5,L7-9,L10-12,L16,L-18-19	Bellcore Issue 6	Level I		0.002268	21.00	.5881	0.047622	440974090.03
1212308054	Inductor	FB3-4,FB6	Bellcore Issue 6	Level I		0.002268	3.00	.0840	0.006803	440974090.03
1212306033	Inductor	FB8-11,FB13-16,FB32-34	Bellcore Issue 6	Level I		0.002268	11.00	.3080	0.024945	440974090.03
1212308051	Inductor	FB24-28	Bellcore Issue 6	Level I		0.002268	5.00	.1400	0.011339	440974090.03
1211104760	Inductor	L1	Bellcore Issue 6	Level I		0.002268	1.00	.0280	0.002268	440974090.03
1211100103	Inductor	L13	Bellcore Issue 6	Level I		0.086173	1.00	1.0642	0.086173	11604581.32
1211100300	Inductor	L14	Bellcore Issue 6	Level I		0.086173	1.00	1.0642	0.086173	11604581.32
1314780501	Integrated Circuit	Q2	Bellcore Issue 6	Level I	42.50	0.033814	1.00	.4176	0.033814	29573138.99
1314108301	Integrated Circuit	Q22	Bellcore Issue 6	Level I		0.059366	1.00	.7331	0.059366	16844654.92
1314101010	Integrated Circuit	Q23	Bellcore Issue 6	Level I	63.10	0.148667	1.00	1.8359	0.148667	6726453.78
1314101010	Integrated Circuit	U30	Bellcore Issue 6	Level I		0.059366	1.00	.7331	0.059366	16844654.92

AAEON Reliability Prediction Report

Part Number 9697689612
Reference Des
Date 01. 2, 2002
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00

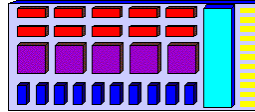


Description Top-level assembly
File Name 6896.rpj
Time 9:22 AM
Failure Rate 8.097691
MTBF 123,492

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1314101010	Integrated Circuit	U33	Bellcore Issue 6	Level I	35.00	0.059366	1.00	.7331	0.059366	16844654.92
1301005440	Semiconductor	D1-3	Bellcore Issue 6	Level I		0.023881	3.00	.8847	0.071643	41874327.58
1301005442	Semiconductor	D9	Bellcore Issue 6	Level I		0.023881	1.00	.2949	0.023881	41874327.58
1300414840	Semiconductor	D7,D10	Bellcore Issue 6	Level I		0.023881	2.00	.5898	0.047762	41874327.58
1304100540	Semiconductor	LED1	Bellcore Issue 6	Level I		0.004877	1.00	.0602	0.004877	205063180.81
1315700211	Semiconductor	Q3-4,Q21	Bellcore Issue 6	Level I		0.079603	3.00	2.9491	0.238810	12562298.27
1315610710	Semiconductor	Q5	Bellcore Issue 6	Level I		0.159207	1.00	1.9661	0.159207	6281149.14
1315610710	Semiconductor	Q11	Bellcore Issue 6	Level I	39.50	0.116444	1.00	1.4380	0.116444	8587789.08
1315610710	Semiconductor	Q14	Bellcore Issue 6	Level I	51.70	0.167132	1.00	2.0639	0.167132	5983301.45
1315613710	Semiconductor	Q7	Bellcore Issue 6	Level I	35.00	0.050557	1.00	.6243	0.050557	19779497.05
1315613710	Semiconductor	Q9	Bellcore Issue 6	Level I		0.079603	1.00	.9830	0.079603	12562298.27
1310222210	Semiconductor	Q15	Bellcore Issue 6	Level I		0.023881	1.00	.2949	0.023881	41874327.58
1311290710	Semiconductor	Q20	Bellcore Issue 6	Level I		0.023881	1.00	.2949	0.023881	41874327.58
14S3020100	Integrated Circuit	U34	Bellcore Issue 6	Level I		0.059366	1.00	.7331	0.059366	16844654.92
14S5A38400	Integrated Circuit	U6	Bellcore Issue 6	Level I		0.039296	1.00	.4853	0.039296	25448028.36
14S4888800	Integrated Circuit	U15	Bellcore Issue 6	Level I	33.20	0.013798	1.00	.1704	0.013798	72475141.60
14S5A01421	Integrated Circuit	U28	Bellcore Issue 6	Level I		0.037889	1.00	.4679	0.037889	26392869.26
14S4070600	Integrated Circuit	U29	Bellcore Issue 6	Level I		0.059366	1.00	.7331	0.059366	16844654.92
14S4048500	Integrated Circuit	U21-22	Bellcore Issue 6	Level I		0.059366	2.00	1.4662	0.118732	16844654.92
14S4281500	Integrated Circuit	U4	Bellcore Issue 6	Level I		0.039296	1.00	.4853	0.039296	25448028.36
14S5A00700	Integrated Circuit	U8	Bellcore Issue 6	Level I		0.037889	1.00	.4679	0.037889	26392869.26
14S1486300	Integrated Circuit	U11	Bellcore Issue 6	Level I	33.70	0.016815	1.00	.2077	0.016815	59469852.51
14S4871200	Integrated Circuit	U12	Bellcore Issue 6	Level I	35.20	0.015731	1.00	.1943	0.015731	63569664.76
14S3128420	Integrated Circuit	U14	Bellcore Issue 6	Level I		0.059366	1.00	.7331	0.059366	16844654.92
14S3020010	Integrated Circuit	U9	Bellcore Issue 6	Level I	38.10	0.023974	1.00	.2961	0.023974	41712296.44
14S4397702	Integrated Circuit	U18	Bellcore Issue 6	Level I	34.40	0.014930	1.00	.1844	0.014930	66977480.52
14S4021300	Integrated Circuit	U19,U23-25	Bellcore Issue 6	Level I		0.059366	4.00	2.9325	0.237464	16844654.92
14S4256200	Integrated Circuit	U26	Bellcore Issue 6	Level I	38.40	0.019329	1.00	.2387	0.019329	51737016.70
14S6334610	Integrated Circuit	U27	Bellcore Issue 6	Level I		0.030598	1.00	.3779	0.030598	32681842.61
14S3420100	Integrated Circuit	U3	Bellcore Issue 6	Level I	43.00	0.035139	1.00	.4339	0.035139	28458351.87
14S4923100	Integrated Circuit	U31	Bellcore Issue 6	Level I	40.00	0.027848	1.00	.3439	0.027848	35909137.34

AAEON Reliability Prediction Report

Part Number 9697689612
Reference Des
Date 01. 2, 2002
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00



Description Top-level assembly
File Name 6896.rpj
Time 9:22 AM
Failure Rate 8.097691
MTBF 123,492

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
14S3000201	Inductor	TF1	Bellcore Issue 6	Level I		0.136062	1.00	1.6803	0.136062	7349568.17
14S4280103	Integrated Circuit	U5	Bellcore Issue 6	Level I	34.70	0.015226	1.00	.1880	0.015226	65676375.85
14S8416803	Integrated Circuit	U17	Bellcore Issue 6	Level I	35.20	0.015731	1.00	.1943	0.015731	63569664.76
14S6200200	Integrated Circuit	U7	Bellcore Issue 6	Level I		0.136173	1.00	1.6816	0.136173	7343591.05
1540747285	Resistor	RN5,RP76,RP78,RP80	Bellcore Issue 6	Level I		0.006246	4.00	.3085	0.024984	160102772.00
1540733085	Resistor	RN6,RP49-50,RP53	Bellcore Issue 6	Level I		0.006246	4.00	.3085	0.024984	160102772.00
1540710084	Resistor	RP40-41	Bellcore Issue 6	Level I		0.006246	2.00	.1543	0.012492	160102772.00
1540756080	Resistor	RP1-28	Bellcore Issue 6	Level I		0.006246	28.00	2.1597	0.174888	160102772.00
1540710080	Resistor	RP29	Bellcore Issue 6	Level I		0.006246	1.00	.0771	0.006246	160102772.00
1540715380	Resistor	RP43-44	Bellcore Issue 6	Level I		0.006246	2.00	.1543	0.012492	160102772.00
1540727280	Resistor	RP81,RP91	Bellcore Issue 6	Level I		0.006246	2.00	.1543	0.012492	160102772.00
1540747282	Resistor	RN7	Bellcore Issue 6	Level I		0.006246	1.00	.0771	0.006246	160102772.00
1540727284	Resistor	RP75,RP77,RP79,RP83	Bellcore Issue 6	Level I		0.006246	4.00	.3085	0.024984	160102772.00
1540700081	Resistor	RP89	Bellcore Issue 6	Level I		0.006246	1.00	.0771	0.006246	160102772.00
15407103A0	Resistor	RP90	Bellcore Issue 6	Level I		0.007807	1.00	.0964	0.007807	128082217.60
1540710280	Resistor	RN2,RP68,RP70	Bellcore Issue 6	Level I		0.006246	3.00	.2314	0.018738	160102772.00
1540722085	Resistor	RP39	Bellcore Issue 6	Level I		0.006246	1.00	.0771	0.006246	160102772.00
1540782282	Resistor	RP42,RP54-67,RP69,RP71-74,RP-82	Bellcore Issue 6	Level I		0.006246	21.00	1.6198	0.131166	160102772.00
1540700080	Resistor	LN1	Bellcore Issue 6	Level I		0.006246	1.00	.0771	0.006246	160102772.00
1653020206	Connection	CN12	Bellcore Issue 6	Level I		0.022759	1.00	.2811	0.022759	43939013.54
1653005201	Connection	CN6,CN20,CN25,JP5	Bellcore Issue 6	Level I		0.005690	4.00	.2811	0.022759	175756054.14
1653005201	Connection	CN5	Bellcore Issue 6	Level I		0.005690	1.00	.0703	0.005690	175756054.14
1653004201	Connection	JP7-9	Bellcore Issue 6	Level I		0.004552	3.00	.1686	0.013655	219695067.68
1653003101	Connection	JP1,JP6	Bellcore Issue 6	Level I		0.001707	2.00	.0422	0.003414	585853513.81
1653003201	Connection	JP2-4,JP10	Bellcore Issue 6	Level I		0.003414	4.00	.1686	0.013655	292926756.90
1653006100	Connection	CN10	Bellcore Issue 6	Level I		0.003414	1.00	.0422	0.003414	292926756.90
1654260200	Connection	PCI1	Bellcore Issue 6	Level I		0.068276	1.00	.8432	0.068276	14646337.85
1653130420	Connection	CN4	Bellcore Issue 6	Level I		0.068276	1.00	.8432	0.068276	14646337.85
1651584490	Connection	CN9	Bellcore Issue 6	Level I		0.095587	1.00	1.1804	0.095587	10461669.89
1653007201	Connection	CN15	Bellcore Issue 6	Level I		0.007966	1.00	.0984	0.007966	125540038.67

