



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

PCM-6898

Reliability Prediction Report

(MTBF)

Release Date: NOV. 19, 2001

Issue Stamp

QA Manager

QE Manager

Test Engineer

Reliability Prediction (MTBF)

I . Model Name: PCM-6898-A11

II . Description: AIO Media PC.FC/Socket 370.LCD/LAN/Audio/AGP 4X/TV-out.SSD/Compact Flash &
4 USBs. Rev.A1.1

III . Prediction Date: NOV. 19. 2001

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: 11.206103ppm
- MTBF: 89,237Hours

X. Prediction Table:

AAEON Reliability Prediction Report

Part Number 9697689808
Reference Des
Date 11. 19, 2001
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00



Description Top-level assembly
File Name 6898A11.RPJ
Time 2:40 PM
Failure Rate 11.206103
MTBF 89,237

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
PCM-6898-A11	9697689808	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	11.206103	89,237

AAEON Reliability Prediction Report

Part Number 9697689808
Reference Des
Date 11. 19, 2001
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00

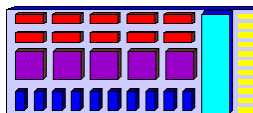


Description Top-level assembly
File Name 6898A11.RPJ
Time 2:40 PM
Failure Rate 11.206103
MTBF 89,237

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
106B501030	Resistor	RT1-2	Bellcore Issue 6	Level I		0.011379	2.00	.2031	0.022759	87878027.07
105A710053	Resistor	R76	Bellcore Issue 6	Level I		0.013606	1.00	.1214	0.013606	73495681.67
105A751003	Resistor	R79-80	Bellcore Issue 6	Level I		0.002268	2.00	.0405	0.004535	440974090.03
105A701533	Resistor	R82	Bellcore Issue 6	Level I		0.002268	1.00	.0202	0.002268	440974090.03
105A501523	Resistor	R88,R299	Bellcore Issue 6	Level I		0.002268	2.00	.0405	0.004535	440974090.03
105A702033	Resistor	R90,R189,R305,R333	Bellcore Issue 6	Level I		0.002268	4.00	.0809	0.009071	440974090.03
105A705623	Resistor	R92,R191,R275	Bellcore Issue 6	Level I		0.002268	3.00	.0607	0.006803	440974090.03
105A700233	Resistor	R72,R143,R184	Bellcore Issue 6	Level I		0.002268	3.00	.0607	0.006803	440974090.03
105A768003	Resistor	R114	Bellcore Issue 6	Level I		0.002268	1.00	.0202	0.002268	440974090.03
105A560463	Resistor	R129-130	Bellcore Issue 6	Level I		0.002268	2.00	.0405	0.004535	440974090.03
105A708203	Resistor	R145,R229	Bellcore Issue 6	Level I		0.002268	2.00	.0405	0.004535	440974090.03
105A703303	Resistor	R147,R149,R218,R221,R226,R242- -243,R245,R269,R290,R306,R323	Bellcore Issue 6	Level I		0.002268	12.00	.2428	0.027212	440974090.03
105A702723	Resistor	R180,R182-183	Bellcore Issue 6	Level I		0.002268	3.00	.0607	0.006803	440974090.03
105A710003	Resistor	R192,R244,R281	Bellcore Issue 6	Level I		0.002268	3.00	.0607	0.006803	440974090.03
105A706803	Resistor	R195	Bellcore Issue 6	Level I		0.002268	1.00	.0202	0.002268	440974090.03
105A514703	Resistor	R202	Bellcore Issue 6	Level I		0.002268	1.00	.0202	0.002268	440974090.03
105A702223	Resistor	R205-206,R246,R326-327,R341	Bellcore Issue 6	Level I		0.002268	6.00	.1214	0.013606	440974090.03
105A501003	Resistor	R38,R75	Bellcore Issue 6	Level I		0.002268	2.00	.0405	0.004535	440974090.03
105A702703	Resistor	R206,R208	Bellcore Issue 6	Level I		0.002268	2.00	.0405	0.004535	440974090.03
105A707503	Resistor	R285-286,R301,R324,R345-347,R- 358,R364-365	Bellcore Issue 6	Level I		0.002268	10.00	.2024	0.022677	440974090.03
105A512103	Resistor	R289	Bellcore Issue 6	Level I		0.002268	1.00	.0202	0.002268	440974090.03
105A704763	Resistor	R295	Bellcore Issue 6	Level I		0.002268	1.00	.0202	0.002268	440974090.03
105A701733	Resistor	R304,R315-316,R334,R337-338	Bellcore Issue 6	Level I		0.002268	6.00	.1214	0.013606	440974090.03
105A549963	Resistor	R325,R330,R356,R357	Bellcore Issue 6	Level I		0.002268	4.00	.0809	0.009071	440974090.03
105A553623	Resistor	R49	Bellcore Issue 6	Level I		0.002268	1.00	.0202	0.002268	440974090.03
105A571503	Resistor	R311	Bellcore Issue 6	Level I		0.002268	1.00	.0202	0.002268	440974090.03
105A534813	Resistor	R233	Bellcore Issue 6	Level I		0.002268	1.00	.0202	0.002268	440974090.03
105A703323	Resistor	R294	Bellcore Issue 6	Level I		0.002268	1.00	.0202	0.002268	440974090.03
105A710033	Resistor	R264,R319	Bellcore Issue 6	Level I		0.002268	2.00	.0405	0.004535	440974090.03
105A566513	Resistor	R280	Bellcore Issue 6	Level I		0.002268	1.00	.0202	0.002268	440974090.03

AAEON Reliability Prediction Report

Part Number 9697689808
Reference Des
Date 11. 19, 2001
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00

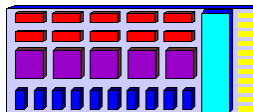


Description Top-level assembly
File Name 6898A11.RPJ
Time 2:40 PM
Failure Rate 11.206103
MTBF 89,237

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A701823	Resistor	R268,R282,R287,R312	Bellcore Issue 6	Level I		0.002268	4.00	.0809	0.009071	440974090.03
105A537403	Resistor	R284	Bellcore Issue 6	Level I		0.002268	1.00	.0202	0.002268	440974090.03
105A704723	Resistor	R1,R51-52,R59-60,R62,R68-69,R9-5,R106,R118,R132-133,R169,R181-185,R190,R194,R196-200,R223-225,R232,R248-249,R253,R259,R262,R270-272,R277,R296,R303,R310,R328-329,R344,R363,R374,R383,R398-400	Bellcore Issue 6	Level I		0.002268	48.00	.9713	0.108850	440974090.03
105A700003	Resistor	R5-6,R36,R48,R55,R73,R78,R91,R93,R111,R210,R212-213,R235,R237,R239,R240-241,R250-251,R263,R283,R288,R293,R297,R300,R307-308,R313,R349,R352,R366,R372,-R376-381,R384-385,R395-397,	Bellcore Issue 6	Level I		0.002268	44.00	.8904	0.099779	440974090.03
105A702203	Resistor	R3-4,R9,R10-12,R29-35,R37,R46,-R63-64,R155,R163,R173-174,R209-R220,R247,R260,R320-321	Bellcore Issue 6	Level I		0.002268	27.00	.5464	0.061228	440974090.03
105A705603	Resistor	R25,R57,R117	Bellcore Issue 6	Level I		0.002268	3.00	.0607	0.006803	440974090.03
105A701033	Resistor	R15-16,R47,R61,R115-116,R121-122,R131,R134-135,R141,R144,R146,R171,R175-178,R186-188,R211-R214-217,R228,R298,R318,R322,-R348,R351	Bellcore Issue 6	Level I		0.002268	33.00	.6678	0.074834	440974090.03
105A701003	Resistor	R8,R87,R127,R234,R238,R276	Bellcore Issue 6	Level I		0.002268	6.00	.1214	0.013606	440974090.03
105A700133	Resistor	R13-14,R67,R81,R119,R136-138,R142,R148,R179,R204,R219,R252,-R261,R274,R309,R314,R317,R336-R339,R342-343	Bellcore Issue 6	Level I		0.002268	23.00	.4654	0.052157	440974090.03
105A733003	Resistor	R17,R19-20,R23,R56,R124,R193	Bellcore Issue 6	Level I		0.002268	7.00	.1417	0.015874	440974090.03
105A720003	Resistor	R18,R113,R291	Bellcore Issue 6	Level I		0.002268	3.00	.0607	0.006803	440974090.03
105A511103	Resistor	R21,R58	Bellcore Issue 6	Level I		0.002268	2.00	.0405	0.004535	440974090.03
105A507503	Resistor	R22,R160	Bellcore Issue 6	Level I		0.002268	2.00	.0405	0.004535	440974090.03
105A515003	Resistor	R24,R112,R152-153,R156	Bellcore Issue 6	Level I		0.002268	5.00	.1012	0.011339	440974090.03
105A505103	Resistor	R27	Bellcore Issue 6	Level I		0.002268	1.00	.0202	0.002268	440974090.03
105A501033	Resistor	R28,R40,R50,R70,R172	Bellcore Issue 6	Level I		0.002268	5.00	.1012	0.011339	440974090.03
105A501633	Resistor	R39	Bellcore Issue 6	Level I		0.002268	1.00	.0202	0.002268	440974090.03

AAEON Reliability Prediction Report

Part Number 9697689808
Reference Des
Date 11. 19, 2001
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00



Description Top-level assembly
File Name 6898A11.RPJ
Time 2:40 PM
Failure Rate 11.206103
MTBF 89,237

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A708223	Resistor	R41-45,R154,R157-159,R161-162,-R164-168,R170	Bellcore Issue 6	Level I		0.002268	17.00	.3440	0.038551	440974090.03
105A747003	Resistor	R53-54,R83,R140	Bellcore Issue 6	Level I		0.002268	4.00	.0809	0.009071	440974090.03
105A547033	Resistor	R65,R71,R84,R98-99	Bellcore Issue 6	Level I		0.002268	5.00	.1012	0.011339	440974090.03
105A756033	Resistor	R66,R85,R96-97	Bellcore Issue 6	Level I		0.002268	4.00	.0809	0.009071	440974090.03
1059700001	Resistor	FB1,FB3,FB10,L33-34,L41,L48	Bellcore Issue 6	Level I		0.002268	7.00	.1417	0.015874	440974090.03
1050700002	Resistor	D2-3	Bellcore Issue 6	Level I		0.002268	2.00	.0405	0.004535	440974090.03
1119610292	Capacitor	C43-44,C55,CE1-3	Bellcore Issue 6	Level I		0.075338	6.00	4.0338	0.452029	13273483.15
1169701700	Capacitor	CT11	Bellcore Issue 6	Level I		0.000718	1.00	.0064	0.000718	1392389831.84
1119622290	Capacitor	C52,C56,C59,C60-61	Bellcore Issue 6	Level I		0.075338	5.00	3.3615	0.376691	13273483.15
1119615290	Capacitor	C2,C63,C73	Bellcore Issue 6	Level I		0.075338	3.00	2.0169	0.226015	13273483.15
1174518180	Capacitor	CP4-7	Bellcore Issue 6	Level I		0.001060	4.00	.0378	0.004241	943198589.05
1124527280	Capacitor	C90	Bellcore Issue 6	Level I		0.001060	1.00	.0095	0.001060	943198589.05
1122722780	Capacitor	C222	Bellcore Issue 6	Level I		0.001598	1.00	.0143	0.001598	625953979.55
1124510180	Capacitor	C91,C107,C109-124,C156,C189-1-95,C217,C232-240,C252,C255-256,-C267	Bellcore Issue 6	Level I		0.001060	40.00	.3784	0.042409	943198589.05
1121747660	Capacitor	C151	Bellcore Issue 6	Level I		0.002539	1.00	.0227	0.002539	393852661.82
1122701680	Capacitor	BC1,C13-15,C17,C20-25,C28,C31--32,C50-51,C53-54,C68-69,C125-1-27,C145,C159,C167,C178,C183-1-86,C188,C196,C201,C208,C212,C-219,C229,C230-231,CB1-72,CB76--81,CB83-86,CB88-96,CM5,CM25,-CM35,CM38,CM40,CM52	Bellcore Issue 6	Level I		0.001598	137.00	1.9531	0.218866	625953979.55
1129701080	Capacitor	C62,C65,C74-80,C88,C99,C132,C-165-166,C176,C180-181,C216,C25-1,CM1-4,CM6-24,CM26-34,CM36--37,CM39,CM41-51,CM53-57,	Bellcore Issue 6	Level I		0.005466	70.00	3.4142	0.382594	182961702.19
1174547080	Capacitor	CP1-3	Bellcore Issue 6	Level I		0.001060	3.00	.0284	0.003181	943198589.05
1149622050	Capacitor	C19,C211,C242,CT1,CT6,CT7,CT2-6,CT36,CT50	Bellcore Issue 6	Level I		0.004535	9.00	.3643	0.040819	220487045.01
1189610180	Capacitor	CT2-3,CT9,CT22,CT48-49	Bellcore Issue 6	Level I		0.004535	6.00	.2428	0.027212	220487045.01
1189633180	Capacitor	CT16,CT179,CT198	Bellcore Issue 6	Level I		0.004933	3.00	.1321	0.014799	202722669.92
1149622180	Capacitor	C12,C46,C173-174,CT27,CT43,CT-46	Bellcore Issue 6	Level I		0.004535	7.00	.2833	0.031748	220487045.01

AAEON Reliability Prediction Report

Part Number 9697689808
Reference Des
Date 11. 19, 2001
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00



Description Top-level assembly
File Name 6898A11.RPJ
Time 2:40 PM
Failure Rate 11.206103
MTBF 89,237

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1141610050	Capacitor	C146,C197,C199,C204,C209,C220-C244,CT4-5,CT8,CT10,CT12-15,CT17-21,CT23-25,CT28-32,CT35,CT37-42,CT44	Bellcore Issue 6	Level I		0.002357	37.00	.7782	0.087211	424256814.77
1124501780	Capacitor	C1,C128-129,C133-137,C140-144,-C202,C205,C207,C250,C287	Bellcore Issue 6	Level I		0.001060	18.00	.1703	0.019084	943198589.05
1124410080	Capacitor	C3-5,C7-11,C33-41,C45,C47-48,C64,C97-98,C131,C138-139,C206	Bellcore Issue 6	Level I		0.001060	27.00	.2555	0.028626	943198589.05
1124422080	Capacitor	C6,C223-224,C245,C264-266	Bellcore Issue 6	Level I		0.001060	7.00	.0662	0.007422	943198589.05
1124510280	Capacitor	C42,C58,C71,C93-94,C130,C160-164,C213,C221,C225,C253-254	Bellcore Issue 6	Level I		0.001060	16.00	.1514	0.016964	943198589.05
1124420080	Capacitor	C66-67	Bellcore Issue 6	Level I		0.001060	2.00	.0189	0.002120	943198589.05
1124527080	Capacitor	C70,C92,C241,C243	Bellcore Issue 6	Level I		0.001060	4.00	.0378	0.004241	943198589.05
1124433080	Capacitor	C57,C108,C227,C283-284	Bellcore Issue 6	Level I		0.005466	5.00	.2439	0.027328	182961702.19
1129747650	Capacitor	C148,C152,C154-155,C157-158,C168-172	Bellcore Issue 6	Level I		0.005466	11.00	.5365	0.060122	182961702.19
1124522180	Capacitor	C210	Bellcore Issue 6	Level I		0.001060	1.00	.0095	0.001060	943198589.05
1124468080	Capacitor	C177	Bellcore Issue 6	Level I		0.001060	1.00	.0095	0.001060	943198589.05
1124527180	Capacitor	C81-82,C226,C228,C246	Bellcore Issue 6	Level I		0.001060	5.00	.0473	0.005301	943198589.05
1124533180	Capacitor	C247	Bellcore Issue 6	Level I		0.001060	1.00	.0095	0.001060	943198589.05
1124547180	Capacitor	C248-249	Bellcore Issue 6	Level I		0.001060	2.00	.0189	0.002120	943198589.05
1124518180	Capacitor	C280	Bellcore Issue 6	Level I		0.001060	1.00	.0095	0.001060	943198589.05
1124547080	Capacitor	C281-282,C285-286	Bellcore Issue 6	Level I		0.001060	4.00	.0378	0.004241	943198589.05
1211100100	Inductor	L7	Bellcore Issue 6	Level I		0.086173	1.00	.7690	0.086173	11604581.32
1211100300	Inductor	L8	Bellcore Issue 6	Level I		0.086173	1.00	.7690	0.086173	11604581.32
1212306033	Inductor	R227,R230-231,R273,R359-362,	Bellcore Issue 6	Level I		0.002268	8.00	.1619	0.018142	440974090.03
1212308050	Inductor	FB13,L15,L44,L59	Bellcore Issue 6	Level I		0.002268	4.00	.0809	0.009071	440974090.03
1212308052	Inductor	L45-47	Bellcore Issue 6	Level I		0.002268	3.00	.0607	0.006803	440974090.03
1212306031	Inductor	R386-393,S5-20	Bellcore Issue 6	Level I		0.002268	24.00	.4857	0.054425	440974090.03
121230805D	Inductor	L57-58	Bellcore Issue 6	Level I		0.002268	2.00	.0405	0.004535	440974090.03
121230805A	Inductor	B1-3,FB4-9,L3-6,L9-13,L17-20,L22-32,L35,L37-38,L40,L43,L50,L52-56	Bellcore Issue 6	Level I		0.002268	46.00	.9309	0.104315	440974090.03
1213160008	Inductor	RN17-20	Bellcore Issue 6	Level I		0.002268	4.00	.0809	0.009071	440974090.03
1211102200	Inductor	L1	Bellcore Issue 6	Level I		0.002268	1.00	.0202	0.002268	440974090.03

AAEON Reliability Prediction Report

Part Number 9697689808
Reference Des
Date 11. 19, 2001
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00

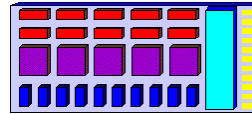


Description Top-level assembly
File Name 6898A11.RPJ
Time 2:40 PM
Failure Rate 11.206103
MTBF 89,237

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1211101261	Inductor	L14,L36,L49	Bellcore Issue 6	Level I		0.002268	3.00	.0607	0.006803	440974090.03
1231114350	Miscellaneous	X1,X4	Bellcore Issue 6	Level I		0.150000	2.00	2.6771	0.300000	6666666.67
1231232722	Miscellaneous	X2,Y1	Bellcore Issue 6	Level I		0.150000	2.00	2.6771	0.300000	6666666.67
1231124550	Miscellaneous	X3	Bellcore Issue 6	Level I		0.150000	1.00	1.3386	0.150000	6666666.67
1231125050	Miscellaneous	Y2	Bellcore Issue 6	Level I		0.150000	1.00	1.3386	0.150000	6666666.67
1314108301	Integrated Circuit	Q3	Bellcore Issue 6	Level I		0.059366	1.00	.5298	0.059366	16844654.92
1314111711	Integrated Circuit	U12	Bellcore Issue 6	Level I		0.059366	1.00	.5298	0.059366	16844654.92
1314111710	Integrated Circuit	U17	Bellcore Issue 6	Level I		0.059366	1.00	.5298	0.059366	16844654.92
1301001440	Semiconductor	D6-7,D11-12,D16,D25	Bellcore Issue 6	Level I		0.023881	6.00	1.2786	0.143286	41874327.58
1300414840	Semiconductor	D1,D10,D15,D24,D26-28	Bellcore Issue 6	Level I		0.023881	7.00	1.4917	0.167167	41874327.58
1301005441	Semiconductor	D8-9,D13-14,D18-19,D20-23	Bellcore Issue 6	Level I		0.023881	10.00	2.1311	0.238810	41874327.58
1310390410	Semiconductor	Q1-2,Q8,Q10,Q13-14,Q16	Bellcore Issue 6			0.007960	7.00	.4972	0.055722	125622982.73
1315700211	Semiconductor	Q5-6	Bellcore Issue 6	Level I		0.079603	2.00	1.4207	0.159207	12562298.27
1315610710	Semiconductor	Q7,Q9,Q11	Bellcore Issue 6	Level I	18.20	0.078505	3.00	2.1017	0.235514	12738085.21
1315613710	Semiconductor	Q12,Q15	Bellcore Issue 6	Level I	18.90	0.132667	2.00	2.3678	0.265334	7537679.72
14S6202003	Integrated Circuit	U16	Bellcore Issue 6	Level I		0.136173	1.00	1.2152	0.136173	7343591.05
14S3161101	Integrated Circuit	U15	Bellcore Issue 6	Level I		0.059366	1.00	.5298	0.059366	16844654.92
14S4048500	Integrated Circuit	U36,U39	Bellcore Issue 6	Level I		0.059366	2.00	1.0595	0.118732	16844654.92
14S6334610	Integrated Circuit	U37	Bellcore Issue 6	Level I		0.030598	1.00	.2730	0.030598	32681842.61
14S8416803	Integrated Circuit	U4	Bellcore Issue 6	Level I		0.039296	1.00	.3507	0.039296	25448028.36
14S5500700	Integrated Circuit	U26,U30	Bellcore Issue 6	Level I		0.065211	1.00	.5819	0.065211	15334865.74
14S1488000	Integrated Circuit	U33	Bellcore Issue 6	Level I		0.059366	1.00	.5298	0.059366	16844654.92
14S5A13200	Integrated Circuit	U35	Bellcore Issue 6	Level I		0.037813	1.00	.3374	0.037813	26445709.42
14S5503200	Integrated Circuit	U38	Bellcore Issue 6	Level I		0.064937	1.00	.5795	0.064937	15399556.24
14S5500800	Integrated Circuit	U25	Bellcore Issue 6	Level I		0.064937	1.00	.5795	0.064937	15399556.24
14S5500401	Integrated Circuit	U8	Bellcore Issue 6	Level I		0.064937	1.00	.5795	0.064937	15399556.24
14S5824500	Integrated Circuit	U2,U24	Bellcore Issue 6	Level I		0.038318	2.00	.6839	0.076636	26097332.06
14S3924800	Integrated Circuit	U1	Bellcore Issue 6	Level I		0.070411	1.00	.6283	0.070411	14202225.56
14S5A12500	Integrated Circuit	U20,U9	Bellcore Issue 6			0.070411	2.00	1.2567	0.140823	14202225.56
14S5A23200	Integrated Circuit	U10,U18,U19,U21	Bellcore Issue 6	Level I	26.00	0.341428	4.00	12.1872	1.365712	2928875.13
14S4813904	Integrated Circuit	U11	Bellcore Issue 6	Level I		0.039296	1.00	.3507	0.039296	25448028.36

AAEON Reliability Prediction Report

Part Number 9697689808
Reference Des
Date 11. 19, 2001
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00



Description Top-level assembly
File Name 6898A11.RPJ
Time 2:40 PM
Failure Rate 11.206103
MTBF 89,237

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
14S4602100	Integrated Circuit	U13	Bellcore Issue 6	Level I	18.70	0.215069	1.00	1.9192	0.215069	4649676.96
14S3700600	Integrated Circuit	U14	Bellcore Issue 6	Level I		0.039296	1.00	.3507	0.039296	25448028.36
14S3000300	Inductor	U22	Bellcore Issue 6	Level I		0.136062	1.00	1.2142	0.136062	7349568.17
14S4397702	Integrated Circuit	U34	Bellcore Issue 6	Level I	14.80	0.090016	1.00	.8033	0.090016	11109193.59
14S5A01421	Integrated Circuit	U40	Bellcore Issue 6	Level I		0.037889	1.00	.3381	0.037889	26392869.26
14S4860400	Integrated Circuit	U6A1	Bellcore Issue 6	Level I		0.039296	1.00	.3507	0.039296	25448028.36
14S5824401	Integrated Circuit	U23,U32	Bellcore Issue 6	Level I		0.038037	2.00	.6789	0.076073	26290417.95
14S4268601	Integrated Circuit	U7A1	Bellcore Issue 6	Level I		0.039296	1.00	.3507	0.039296	25448028.36
14S5837301	Integrated Circuit	U31	Bellcore Issue 6	Level I		0.039070	1.00	.3487	0.039070	25594900.53
1540718280	Resistor	RN22	Bellcore Issue 6	Level I		0.006246	1.00	.0557	0.006246	160102772.00
1540722080	Resistor	RN1,RN2,RN9-10	Bellcore Issue 6	Level I		0.006246	4.00	.2229	0.024984	160102772.00
1540715380	Resistor	RN4,RN13	Bellcore Issue 6	Level I		0.006246	2.00	.1115	0.012492	160102772.00
1540710380	Resistor	RN7,RP1,RP4	Bellcore Issue 6	Level I		0.006246	3.00	.1672	0.018738	160102772.00
1540747282	Resistor	RN8,RN14-15,RN21,RP3,RP11,RP-37,RP50-51,RP56,RP59-62	Bellcore Issue 6	Level I		0.006246	14.00	.7803	0.087444	160102772.00
1540733180	Resistor	RN11	Bellcore Issue 6	Level I		0.006246	1.00	.0557	0.006246	160102772.00
1540701380	Resistor	RN16,RP2,RP54	Bellcore Issue 6	Level I		0.004684	3.00	.1254	0.014053	213470362.66
1540733082	Resistor	RN3,RN12,RP5,RP8-10,RP12-13,-RP24-25,RP33-36	Bellcore Issue 6	Level I		0.006246	14.00	.7803	0.087444	160102772.00
1540715180	Resistor	RP6-7	Bellcore Issue 6	Level I		0.006246	2.00	.1115	0.012492	160102772.00
1540756080	Resistor	RP14-23,RP27-32,RP38-49	Bellcore Issue 6	Level I		0.006246	28.00	1.5606	0.174888	160102772.00
15407472A0	Resistor	RP26,RP52-53,RP55,RP57-58	Bellcore Issue 6	Level I		0.007807	6.00	.4180	0.046845	128082217.60
1653006100	Connection	J9	Bellcore Issue 6	Level I		0.003414	1.00	.0305	0.003414	292926756.90
1653213220	Connection	CN1	Bellcore Issue 6	Level I		0.014793	1.00	.1320	0.014793	67598482.36
1654420020	Connection	CN2	Bellcore Issue 6	Level I		0.011379	1.00	.1015	0.011379	87878027.07
1653005201	Connection	CN3,CN7,CN11-13	Bellcore Issue 6	Level I		0.005690	5.00	.2539	0.028449	175756054.14
1653120225	Connection	CN5	Bellcore Issue 6	Level I		0.022759	1.00	.2031	0.022759	43939013.54
1653132220	Connection	CN6	Bellcore Issue 6	Level I		0.036414	1.00	.3249	0.036414	27461883.46
1652512200	Connection	CN8	Bellcore Issue 6	Level I		0.007966	1.00	.0711	0.007966	125540038.67
1654418100	Connection	CN17	Bellcore Issue 6	Level I		0.012517	1.00	.1117	0.012517	79889115.52
1654415500	Connection	CN15	Bellcore Issue 6	Level I		0.018207	1.00	.1625	0.018207	54923766.92
1651584490	Connection	DIMM1	Bellcore Issue 6	Level I		0.095587	1.00	.8530	0.095587	10461669.89

