



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

GENE-6310

Reliability Prediction Report

(MTBF)

Release Date: APR. 17, 2002

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Issue Stamp

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QA Manager

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QE Manager

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Test Engineer

# Reliability Prediction (MTBF)

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**I . Model Name:** GENE-6310

**II . Description:** AIO SubCompact Board. Eden 6000S CPU. W/LAN, Audio, TV-Out, LCD, LVDS, CF.

**III . Prediction Date:** APR. 17. 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: 8.506736ppm
- MTBF: 117,554Hours

## **X. Prediction Table:**

### AAEON Reliability Prediction Report

**Part Number** 9697631006  
**Reference Des**  
**Date** 04. 17, 2002  
**Environment** GF, GU - Ground Fixed, Uncontrolled  
**Temperature** 25.00

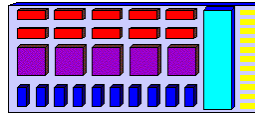


**Description** Top-level assembly  
**File Name** Gene-6310.RPJ  
**Time** 4:52 PM  
**Failure Rate** 8.506736  
**MTBF** 117,554

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
GENE-6310	9697631006	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	8.506736	117,554

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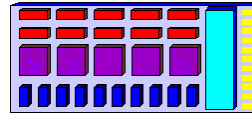


**Description** Top-level assembly  
**File Name** Gene-6310.RPJ  
**Time** 4:52 PM  
**Failure Rate** 8.506736  
**MTBF** 117,554

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A500133	Resistor	R1,R13	Bellcore Issue 6	Level I		0.002268	2.00	.0533	0.004535	440974090.03
105A501033	Resistor	R2,R4	Bellcore Issue 6	Level I		0.002268	2.00	.0533	0.004535	440974090.03
105A516513	Resistor	R3	Bellcore Issue 6	Level I		0.002268	1.00	.0267	0.002268	440974090.03
105A512103	Resistor	R5-6,R9	Bellcore Issue 6	Level I		0.002268	3.00	.0800	0.006803	440974090.03
105A524363	Resistor	R8	Bellcore Issue 6	Level I		0.002268	1.00	.0267	0.002268	440974090.03
105A538303	Resistor	R16	Bellcore Issue 6	Level I		0.002268	1.00	.0267	0.002268	440974090.03
105A549963	Resistor	R14	Bellcore Issue 6	Level I		0.002268	1.00	.0267	0.002268	440974090.03
105A504733	Resistor	R12	Bellcore Issue 6	Level I		0.002268	1.00	.0267	0.002268	440974090.03
105A503300	Resistor	R5,R128	Bellcore Issue 6	Level I		0.002268	2.00	.0533	0.004535	440974090.03
105A501003	Resistor	R20-21	Bellcore Issue 6	Level I		0.002268	2.00	.0533	0.004535	440974090.03
105A501823	Resistor	R45,R103-104	Bellcore Issue 6	Level I		0.002268	3.00	.0800	0.006803	440974090.03
105A507503	Resistor	R71-72,R99,R113,R178	Bellcore Issue 6	Level I		0.002268	5.00	.1333	0.011339	440974090.03
105A510003	Resistor	R75	Bellcore Issue 6	Level I		0.002268	1.00	.0267	0.002268	440974090.03
105A515003	Resistor	R112,R177	Bellcore Issue 6	Level I		0.002268	2.00	.0533	0.004535	440974090.03
105A560423	Resistor	R134	Bellcore Issue 6	Level I		0.002268	1.00	.0267	0.002268	440974090.03
105A501033	Resistor	R140,R142,R161	Bellcore Issue 6	Level I		0.002268	3.00	.0800	0.006803	440974090.03
105A553623	Resistor	R141	Bellcore Issue 6	Level I		0.002268	1.00	.0267	0.002268	440974090.03
105A505103	Resistor	R185-186,R203-204	Bellcore Issue 6	Level I		0.002268	4.00	.1066	0.009071	440974090.03
105A547003	Resistor	R63	Bellcore Issue 6	Level I		0.002268	1.00	.0267	0.002268	440974090.03
105A548713	Resistor	R73	Bellcore Issue 6	Level I		0.002268	1.00	.0267	0.002268	440974090.03
105A514003	Resistor	R129	Bellcore Issue 6	Level I		0.002268	1.00	.0267	0.002268	440974090.03
105A502833	Resistor	R135	Bellcore Issue 6	Level I		0.002268	1.00	.0267	0.002268	440974090.03
105A501633	Resistor	R160	Bellcore Issue 6	Level I		0.002268	1.00	.0267	0.002268	440974090.03
105A502233	Resistor	R197-198	Bellcore Issue 6	Level I		0.002268	2.00	.0533	0.004535	440974090.03
105A701033	Resistor	R4,R7,R51-52,R86-87,R102,R130,- R162,R164-166,R169,R173	Bellcore Issue 6	Level I		0.002268	14.00	.3732	0.031748	440974090.03
105A756033	Resistor	R152,R155-156,R158	Bellcore Issue 6	Level I		0.002268	4.00	.1066	0.009071	440974090.03
105A702203	Resistor	R8,R10-16,R19,R22,R25-27,R34,R- 41,R43,R47,R100,R114-115,R131,- R167,R175,R202	Bellcore Issue 6	Level I		0.002268	24.00	.6398	0.054425	440974090.03
105A701003	Resistor	R7,R15	Bellcore Issue 6	Level I		0.002268	2.00	.0533	0.004535	440974090.03
105A702263	Resistor	R10-11	Bellcore Issue 6	Level I		0.002268	2.00	.0533	0.004535	440974090.03

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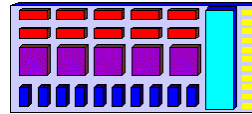


**Description** Top-level assembly  
**File Name** Gene-6310.RPJ  
**Time** 4:52 PM  
**Failure Rate** 8.506736  
**MTBF** 117,554

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A700003	Resistor	L19,L47,L54,R3,R78,R83,R88,R90-91,R96,R105,R116-118,R120-122-,R168,R201,R207	Bellcore Issue 6	Level I		0.002268	20.00	.5332	0.045354	440974090.03
105A705603	Resistor	R107	Bellcore Issue 6	Level I		0.002268	1.00	.0267	0.002268	440974090.03
105A747033	Resistor	R153-154,R157,R159	Bellcore Issue 6	Level I		0.002268	4.00	.1066	0.009071	440974090.03
105A702223	Resistor	R194	Bellcore Issue 6	Level I		0.002268	1.00	.0267	0.002268	440974090.03
105A704733	Resistor	R61,R191	Bellcore Issue 6	Level I		0.002268	2.00	.0533	0.004535	440974090.03
105A702723	Resistor	R35,R92-93,R108	Bellcore Issue 6	Level I		0.002268	4.00	.1066	0.009071	440974090.03
105A700233	Resistor	R79	Bellcore Issue 6	Level I		0.002268	1.00	.0267	0.002268	440974090.03
105A704723	Resistor	R28,R30,R32-33,R42,R48-49,R70,-R95,R97-98,R109,R123-124,R138--139,R143-145,R149-150,R163,R17-6,R179-184,R187-190,R200	Bellcore Issue 6	Level I		0.002268	34.00	.9064	0.077102	440974090.03
105A733003	Resistor	R84,R136-137,R195-196	Bellcore Issue 6	Level I		0.002268	5.00	.1333	0.011339	440974090.03
105A700133	Resistor	R1-2,R9,R17-18,R23,R36,R39-40,-R46,R66,R68,R126-127,R146-147,-R199	Bellcore Issue 6	Level I		0.002268	17.00	.4532	0.038551	440974090.03
105A711003	Resistor	R80-81	Bellcore Issue 6	Level I		0.002268	2.00	.0533	0.004535	440974090.03
105A705623	Resistor	R38,R62,R64	Bellcore Issue 6	Level I		0.002268	3.00	.0800	0.006803	440974090.03
105A703303	Resistor	R29,R65,R67,R125	Bellcore Issue 6	Level I		0.002268	4.00	.1066	0.009071	440974090.03
106B501031	Resistor	RT1	Bellcore Issue 6	Level I		0.011379	1.00	.1338	0.011379	87878027.07
1121501680	Capacitor	BC1-80,BC82-91,BC94-99,C19,C70-,C125,C128,C131,C133,C159,C172--173,C182,C202,C208	Bellcore Issue 6	Level I		0.002539	108.00	3.2235	0.274214	393852661.82
1121733780	Capacitor	C27,C184,C186,C188,C198,C200	Bellcore Issue 6	Level I		0.002539	6.00	.1791	0.015234	393852661.82
1121747780	Capacitor	C43	Bellcore Issue 6	Level I		0.002539	1.00	.0298	0.002539	393852661.82
1122701680	Capacitor	C3	Bellcore Issue 6	Level I		0.001598	1.00	.0188	0.001598	625953979.55
1122710080	Capacitor	C1,C3,C8,C82-87,C116,C142-143,-C171,C207,C210	Bellcore Issue 6	Level I		0.001060	15.00	.1869	0.015903	943198589.05
1124412080	Capacitor	C10,C71,C89,C117	Bellcore Issue 6	Level I		0.001060	4.00	.0499	0.004241	943198589.05
1124456080	Capacitor	C54-55,C60-62,C65-67	Bellcore Issue 6	Level I		0.001060	8.00	.0997	0.008482	943198589.05
1124447080	Capacitor	C47,C49	Bellcore Issue 6	Level I		0.001060	2.00	.0249	0.002120	943198589.05
1124422080	Capacitor	C21-22,C80,C189-190	Bellcore Issue 6	Level I		0.001060	5.00	.0623	0.005301	943198589.05
1124510280	Capacitor	C13,C16,C24,C136,C161-163,C165-,C174,C178,C180,C204-206	Bellcore Issue 6	Level I		0.001060	14.00	.1745	0.014843	943198589.05

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**Environment** GF, GU - Ground Fixed, Uncontrolled  
**Temperature** 25.00



**Description** Top-level assembly  
**File Name** Gene-6310.RPJ  
**Time** 4:52 PM  
**Failure Rate** 8.506736  
**MTBF** 117,554

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1124582280	Capacitor	C8,C14	Bellcore Issue 6	Level I		0.001060	2.00	.0249	0.002120	943198589.05
1124522880	Capacitor	C17	Bellcore Issue 6	Level I		0.001060	1.00	.0125	0.001060	943198589.05
1124547180	Capacitor	C1	Bellcore Issue 6	Level I		0.001060	1.00	.0125	0.001060	943198589.05
1124547180	Capacitor	C26,C37,C183,C185,C187,C197,C-199,C201	Bellcore Issue 6	Level I		0.001060	8.00	.0997	0.008482	943198589.05
1124527080	Capacitor	C41-42	Bellcore Issue 6	Level I		0.001060	2.00	.0249	0.002120	943198589.05
1124527180	Capacitor	C46,C50,C81	Bellcore Issue 6	Level I		0.001060	3.00	.0374	0.003181	943198589.05
1124515180	Capacitor	C48,C51	Bellcore Issue 6	Level I		0.001060	2.00	.0249	0.002120	943198589.05
1124533180	Capacitor	C78	Bellcore Issue 6	Level I		0.001060	1.00	.0125	0.001060	943198589.05
1124501780	Capacitor	C151-152,C154-158,C170	Bellcore Issue 6	Level I		0.001060	8.00	.0997	0.008482	943198589.05
1129610050	Capacitor	C11,C38-39,C44-45,C88,C132,C13-4,C169,C176	Bellcore Issue 6	Level I		0.006031	10.00	.7089	0.060308	165815676.81
1129710050	Capacitor	C2,C20,C25,C40,C52-53,C69,C72--73,C126-127,C141,C144,C149,C1-64,C166,C191,C203	Bellcore Issue 6	Level I		0.005466	18.00	1.1565	0.098381	182961702.19
1129710050	Capacitor	C7,C9,C11,C15	Bellcore Issue 6	Level I		0.005466	4.00	.2570	0.021862	182961702.19
1129701080	Capacitor	C2,C4,C10,C16	Bellcore Issue 6	Level I		0.005466	4.00	.2570	0.021862	182961702.19
1129701080	Capacitor	BC81,BC92-93,C4,C12,C15,C30-31-,C33-35,C57-59,C74-77,C91-92,C9-4-95,C98-101,C106-107,C110-113-,C119-123,C129-130,C135,C145-1-48,C150,C167-168,C175,C177,C1-79,C194-196	Bellcore Issue 6	Level I		0.005466	53.00	3.4053	0.289678	182961702.19
1129747650	Capacitor	C17-18,C23,C28,C56,C68,C90,C96--97,C102-103,C105,C108-109,C114-,C118,C124	Bellcore Issue 6	Level I		0.005466	17.00	1.0923	0.092916	182961702.19
1139710060	Capacitor	C14	Bellcore Issue 6	Level I		0.005466	1.00	.0643	0.005466	182961702.19
1174547080	Capacitor	NC1-2,NC8-10(*4)	Bellcore Issue 6	Level I		0.001060	20.00	.2493	0.021204	943198589.05
1174522180	Capacitor	NC3-4,NC6-7(*4)	Bellcore Issue 6	Level I		0.001060	16.00	.1994	0.016964	943198589.05
1174610280	Capacitor	NC5(*4)	Bellcore Issue 6	Level I		0.001060	4.00	.0499	0.004241	943198589.05
1141610050	Capacitor	C181	Bellcore Issue 6	Level I	50.80	0.002394	1.00	.0281	0.002394	417675464.15
1149647050	Capacitor	C64	Bellcore Issue 6	Level I		0.004933	1.00	.0580	0.004933	202722669.92
1189647080	Capacitor	C36	Bellcore Issue 6	Level I		0.004933	1.00	.0580	0.004933	202722669.92
1189615181	Capacitor	C5-6,C12,C32	Bellcore Issue 6	Level I		0.004933	4.00	.2320	0.019731	202722669.92
1189615181	Capacitor	C137	Bellcore Issue 6	Level I	58.30	0.005779	1.00	.0679	0.005779	173054272.46

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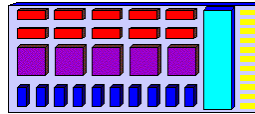


**Description** Top-level assembly  
**File Name** Gene-6310.RPJ  
**Time** 4:52 PM  
**Failure Rate** 8.506736  
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Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1189622181	Capacitor	C13	Bellcore Issue 6	Level I		0.004535	1.00	.0533	0.004535	220487045.01
1189633080	Capacitor	C153	Bellcore Issue 6	Level I		0.004933	1.00	.0580	0.004933	202722669.92
1189622181	Capacitor	C93	Bellcore Issue 6	Level I	53.80	0.004881	1.00	.0574	0.004881	204857466.75
1189622181	Capacitor	C104	Bellcore Issue 6	Level I	53.90	0.004891	1.00	.0575	0.004891	204466589.46
1189682080	Capacitor	C209	Bellcore Issue 6	Level I	50.10	0.004544	1.00	.0534	0.004544	220055560.52
1231314350	Miscellaneous	Y1,Y5	Bellcore Issue 6	Level I		0.150000	2.00	3.5266	0.300000	6666666.67
1231325050	Miscellaneous	Y3	Bellcore Issue 6	Level I		0.150000	1.00	1.7633	0.150000	6666666.67
1231332721	Miscellaneous	Y2	Bellcore Issue 6	Level I		0.150000	1.00	1.7633	0.150000	6666666.67
1231324551	Miscellaneous	Y4	Bellcore Issue 6	Level I		0.150000	1.00	1.7633	0.150000	6666666.67
1211101860	Inductor	L1-2	Bellcore Issue 6	Level I		0.002268	2.00	.0533	0.004535	440974090.03
1211102200	Inductor	L25	Bellcore Issue 6	Level I		0.002268	1.00	.0267	0.002268	440974090.03
1212306031	Inductor	L55-58	Bellcore Issue 6	Level I		0.002268	4.00	.1066	0.009071	440974090.03
1212306033	Inductor	L1-6,L11,L17-18,L23-24,L27-41,L46-L48,L52	Bellcore Issue 6	Level I		0.002268	29.00	.7731	0.065764	440974090.03
121230603C	Inductor	L9,L26,L42	Bellcore Issue 6	Level I		0.002268	3.00	.0800	0.006803	440974090.03
1212306032	Inductor	L7-8,L10,L12-16,L21-22,L43-45,L49-51,L59-64	Bellcore Issue 6	Level I		0.002268	22.00	.5865	0.049890	440974090.03
1213103008	Inductor	NL1-10(*4)	Bellcore Issue 6	Level I		0.002268	40.00	1.0663	0.090708	440974090.03
1314108412	Integrated Circuit	Q2	Bellcore Issue 6	Level I		0.059366	1.00	.6979	0.059366	16844654.92
1301005440	Semiconductor	D1,D6,D8	Bellcore Issue 6	Level I		0.023881	3.00	.8422	0.071643	41874327.58
1301005441	Semiconductor	D4-5,D7	Bellcore Issue 6	Level I		0.023881	1.00	.2807	0.023881	41874327.58
1301005442	Semiconductor	D2	Bellcore Issue 6	Level I		0.023881	1.00	.2807	0.023881	41874327.58
1301005443	Semiconductor	D1	Bellcore Issue 6	Level I	63.00	0.034161	1.00	.4016	0.034161	29273236.96
1301005443	Semiconductor	D2	Bellcore Issue 6	Level I		0.023881	1.00	.2807	0.023881	41874327.58
1315603110	Semiconductor	Q1	Bellcore Issue 6	Level I	65.40	0.121255	1.00	1.4254	0.121255	8247056.43
1315603110	Semiconductor	Q3	Bellcore Issue 6	Level I	63.70	0.115988	1.00	1.3635	0.115988	8621604.85
1315603110	Semiconductor	Q4	Bellcore Issue 6	Level I	65.30	0.120941	1.00	1.4217	0.120941	8268521.36
1315603110	Semiconductor	Q5	Bellcore Issue 6	Level I	65.00	0.120000	1.00	1.4106	0.120000	8333333.33
1315970110	Semiconductor	F1-4	Bellcore Issue 6	Level I		0.159207	4.00	7.4861	0.636826	6281149.14
1315993310	Semiconductor	Q3	Bellcore Issue 6	Level I		0.159207	1.00	1.8715	0.159207	6281149.14
1310390410	Semiconductor	Q1-2,Q4-5	Bellcore Issue 6	Level I		0.023881	4.00	1.1229	0.095524	41874327.58
1304100540	Semiconductor	D3	Bellcore Issue 6	Level I		0.004877	1.00	.0573	0.004877	205063180.81

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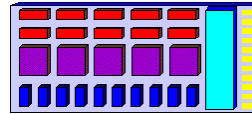
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14S5824500	Integrated Circuit	U7	Bellcore Issue 6	Level I		0.038318	1.00	.4504	0.038318	26097332.06
14S5824500	Integrated Circuit	U22	Bellcore Issue 6	Level I	35.60	0.015743	1.00	.1851	0.015743	63518526.84
14S5A00401	Integrated Circuit	U18	Bellcore Issue 6	Level I		0.039296	1.00	.4619	0.039296	25448028.36
14S5824401	Integrated Circuit	U21	Bellcore Issue 6	Level I	34.50	0.014547	1.00	.1710	0.014547	68743281.83
14S3020200	Integrated Circuit	U3	Bellcore Issue 6	Level I	53.10	0.047063	1.00	.5532	0.047063	21248331.47
14S5A00701	Integrated Circuit	U9	Bellcore Issue 6	Level I		0.039296	1.00	.4619	0.039296	25448028.36
14S824A301	Integrated Circuit	U20	Bellcore Issue 6	Level I		0.039296	1.00	.4619	0.039296	25448028.36
14S4162100	Integrated Circuit	U1	Bellcore Issue 6	Level I	44.80	0.055278	1.00	.6498	0.055278	18090324.21
14S3006000	Integrated Circuit	DN1	Bellcore Issue 6	Level I		0.059366	1.00	.6979	0.059366	16844654.92
14S4021300	Integrated Circuit	U19	Bellcore Issue 6	Level I		0.059366	1.00	.6979	0.059366	16844654.92
14S4021300	Integrated Circuit	U25	Bellcore Issue 6	Level I	39.30	0.026359	1.00	.3099	0.026359	37937962.95
14S5A01400	Integrated Circuit	U6,U17	Bellcore Issue 6	Level I		0.059366	2.00	1.3957	0.118732	16844654.92
14S3128420	Integrated Circuit	U5	Bellcore Issue 6	Level I		0.059366	1.00	.6979	0.059366	16844654.92
14S4070600	Integrated Circuit	U10	Bellcore Issue 6	Level I		0.059366	1.00	.6979	0.059366	16844654.92
14S4048501	Integrated Circuit	U15-16	Bellcore Issue 6	Level I		0.059366	2.00	1.3957	0.118732	16844654.92
14S3161200	Integrated Circuit	U14	Bellcore Issue 6	Level I	40.90	0.029875	1.00	.3512	0.029875	33472347.99
14S2303700	Integrated Circuit	U1	Bellcore Issue 6	Level I	69.10	0.220706	1.00	2.5945	0.220706	4530906.08
14S2652000	Integrated Circuit	U2	Bellcore Issue 6	Level I	65.30	0.172146	1.00	2.0236	0.172146	5809016.07
14S3115000	Integrated Circuit	U3	Bellcore Issue 6	Level I	95.90	1.089420	1.00	12.8066	1.089420	917919.85
14S4813904	Integrated Circuit	U24	Bellcore Issue 6	Level I	41.70	0.023789	1.00	.2796	0.023789	42036564.48
14S4268601	Integrated Circuit	U11	Bellcore Issue 6	Level I	48.60	0.036177	1.00	.4253	0.036177	27641738.38
14S4860600	Integrated Circuit	U12	Bellcore Issue 6	Level I	49.70	0.038608	1.00	.4539	0.038608	25901263.40
14S6334603	Integrated Circuit	U13	Bellcore Issue 6	Level I		0.030598	1.00	.3597	0.030598	32681842.61
14S6202002	Integrated Circuit	U4	Bellcore Issue 6	Level I		0.136173	1.00	1.6008	0.136173	7343591.05
14S4600000	Integrated Circuit	U2	Bellcore Issue 6	Level I	50.90	0.041424	1.00	.4870	0.041424	24140485.85
1540715380	Resistor	RN1-2	Bellcore Issue 6	Level I		0.006246	1.00	.0734	0.006246	160102772.00
1540733082	Resistor	RN5-10	Bellcore Issue 6	Level I		0.006246	6.00	.4405	0.037476	160102772.00
15407103A0	Resistor	RP1	Bellcore Issue 6	Level I		0.007807	1.00	.0918	0.007807	128082217.60
15407331A0	Resistor	RP3-4	Bellcore Issue 6	Level I		0.007807	2.00	.1836	0.015615	128082217.60
1540727080	Resistor	RN3-4	Bellcore Issue 6	Level I		0.006246	2.00	.1468	0.012492	160102772.00
1540747282	Resistor	RN11-13	Bellcore Issue 6	Level I		0.006246	3.00	.2203	0.018738	160102772.00



### AAEON Reliability Prediction Report

**Part Number** 9697631006  
**Reference Des**  
**Date** 04. 17, 2002  
**Environment** GF, GU - Ground Fixed, Uncontrolled  
**Temperature** 25.00

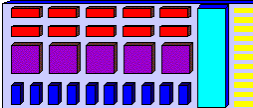


**Description** Top-level assembly  
**File Name** Gene-6310.RPJ  
**Time** 4:52 PM  
**Failure Rate** 8.506736  
**MTBF** 117,554

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1540775080	Resistor	RN14	Bellcore Issue 6	Level I		0.006246	1.00	.0734	0.006246	160102772.00
15407560A0	Resistor	RP2,RP5-17	Bellcore Issue 6	Level I		0.007807	14.00	1.2849	0.109305	128082217.60
15407472A0	Resistor	RP18-19,RP20,RP23	Bellcore Issue 6	Level I		0.007807	4.00	.3671	0.031230	128082217.60
15407222A0	Resistor	RP21-22	Bellcore Issue 6	Level I		0.007807	2.00	.1836	0.015615	128082217.60
1653003100	Connection	JP5	Bellcore Issue 6	Level I		0.001707	1.00	.0201	0.001707	585853513.81
1655003000	Connection	CN3	Bellcore Issue 6	Level I		0.001707	1.00	.0201	0.001707	585853513.81
1653005201	Connection	CN16	Bellcore Issue 6	Level I		0.005690	1.00	.0669	0.005690	175756054.14
1653005100	Connection	CN19	Bellcore Issue 6	Level I		0.002845	1.00	.0334	0.002845	351512108.28
1653003201	Connection	JP2*2,JP3	Bellcore Issue 6	Level I		0.003414	3.00	.1204	0.010241	292926756.90
1653004201	Connection	CN7	Bellcore Issue 6	Level I		0.004552	1.00	.0535	0.004552	219695067.68
1654020000	Connection	CN5	Bellcore Issue 6	Level I		0.011379	1.00	.1338	0.011379	87878027.07
1653009201	Connection	CN8	Bellcore Issue 6	Level I		0.010241	1.00	.1204	0.010241	97642252.30
1653005202	Connection	CN9	Bellcore Issue 6	Level I		0.005690	1.00	.0669	0.005690	175756054.14
1653013202	Connection	CN10	Bellcore Issue 6	Level I		0.014793	1.00	.1739	0.014793	67598482.36
1653010203	Connection	CN11	Bellcore Issue 6	Level I		0.011379	1.00	.1338	0.011379	87878027.07
1653007204	Connection	CN13	Bellcore Issue 6	Level I		0.007966	1.00	.0936	0.007966	125540038.67
1654040000	Connection	CN4	Bellcore Issue 6	Level I		0.022759	1.00	.2675	0.022759	43939013.54
1653017201	Connection	CN6	Bellcore Issue 6	Level I		0.019345	1.00	.2274	0.019345	51692957.10
1653925212	Connection	CN22	Bellcore Issue 6	Level I		0.028449	1.00	.3344	0.028449	35151210.83
1651572990	Connection	DIMM1	Bellcore Issue 6	Level I		0.081932	1.00	.9631	0.081932	12205281.54
1651203291	Connection	U4	Bellcore Issue 6	Level I		0.018207	1.00	.2140	0.018207	54923766.92
1653003101	Connection	JP1,JP4,JP6	Bellcore Issue 6	Level I		0.001707	3.00	.0602	0.005121	585853513.81
1653005201	Connection	CN17	Bellcore Issue 6	Level I		0.005690	1.00	.0669	0.005690	175756054.14
1652512202	Connection	CN14	Bellcore Issue 6	Level I		0.007966	1.00	.0936	0.007966	125540038.67
1653005101	Connection	CN23	Bellcore Issue 6	Level I		0.002845	1.00	.0334	0.002845	351512108.28
1653130424	Connection	PCI1	Bellcore Issue 6	Level I		0.068276	1.00	.8026	0.068276	14646337.85
1656304020	Connection	CN15	Bellcore Issue 6	Level I		0.002276	1.00	.0268	0.002276	439390135.35
1654409103	Connection	CN18	Bellcore Issue 6	Level I		0.006259	1.00	.0736	0.006259	159778231.04
1654606301	Connection	CN20	Bellcore Issue 6	Level I		0.005121	1.00	.0602	0.005121	195284504.60
1654515302	Connection	CN21	Bellcore Issue 6	Level I		0.009672	1.00	.1137	0.009672	103385914.20
1653004202	Connection	CN2	Bellcore Issue 6	Level I		0.004552	1.00	.0535	0.004552	219695067.68

AAEON Reliability Prediction Report

Part Number 9697631006  
Reference Des  
Date 04. 17, 2002  
Environment GF, GU - Ground Fixed, Uncontrolled  
Temperature 25.00



Description Top-level assembly  
File Name Gene-6310.RPJ  
Time 4:52 PM  
Failure Rate 8.506736  
MTBF 117,554

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate,%	Failure Rate	MTBF, Unit
1653022202	Connection	CN1	Bellcore Issue 6	Level I		0.025035	1.00	.2943	0.025035	39944557.76
1653027100	Connection	J1(Bottom,Top)	Bellcore Issue 6	Level I		0.015362	2.00	.3612	0.030724	65094834.87
1752311000	Miscellaneous	FS1-2	Bellcore Issue 6	Level I		0.030000	2.00	.7053	0.060000	33333333.33
1750119014	Miscellaneous	BAT1	Bellcore Issue 6	Level I		0.900000	1.00	10.5799	0.900000	11111111.11
1759100006	Miscellaneous	BUZZ1	Bellcore Issue 6	Level I		0.150000	1.00	1.7633	0.150000	6666666.67