



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

HSB-460I A0.2

Reliability Prediction Report

(MTBF)

Release Date: Jul. 31, 2003

07-31-2003

Issue Stamp

Wayne Chen

A.V.P

Rex Chang

Test Engineer

Reliability Prediction (MTBF)

. Model Name: HSB-460I A0.2 (CPU : NS Geode GX1 300MHz)

.Description: Half-size CPU Card.

. Prediction Date: Jul. 31. 2003

. Prediction Site: AAEON DV Dept.

. Predicted by : Rex Chang

. Equipment: Relx Ver.7.2 Visual Reliability Software

. Simulation Environment:

Temperature: 25.4 degrees C(No temperature rise condition)

Standard: Telcordia (Bellcore) Standard

. 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:

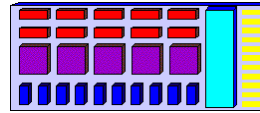
Failure Rate: 11.132728ppm

MTBF: 89,825Hours (about 10.25 years)

X. Prediction Table:

AAEON Reliability Prediction Report

Part Number System
Reference Des
Date 07. 31, 2003
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 30.00

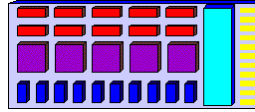


Description Top-level assembly
File Name HSB-460I A02.RPJ
Time 2:24 PM
Failure Rate 11.132728
MTBF 89,825

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
System	System	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	11.132728	89,825

AAEON Reliability Prediction Report

Part Number System
Reference Des
Date 07. 31, 2003
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 30.00

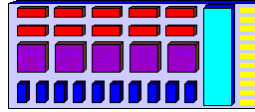


Description Top-level assembly
File Name HSB-460I A02.RPJ
Time 2:24 PM
Failure Rate 11.132728
MTBF 89,825

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1653120225	Connection	CN5	Bellcore Issue 6	Level I		0.029427	1.00	.2643	0.029427	33982429.59
1231114350	Miscellaneous	Y1	Bellcore Issue 6	Level I		0.150000	1.00	1.3474	0.150000	6666666.67
1653132220	Connection	CN5	Bellcore Issue 6	Level I		0.047083	1.00	.4229	0.047083	21239018.49
1651032220	Connection	U3	Bellcore Issue 6	Level I		0.023542	1.00	.2115	0.023542	42478036.98
1231125050	Miscellaneous	Y2	Bellcore Issue 6	Level I		0.150000	1.00	1.3474	0.150000	6666666.67
1231232722	Miscellaneous	Y3	Bellcore Issue 6	Level I		0.150000	1.00	1.3474	0.150000	6666666.67
1750119011	Miscellaneous	BT1	Bellcore Issue 6	Level I		0.900000	1.00	8.0843	0.900000	1111111.11
1750220320	Connection	BT1	Bellcore Issue 6	Level I		0.001471	1.00	.0132	0.001471	679648591.75
1653004101	Connection	JP5	Bellcore Issue 6	Level I		0.002943	1.00	.0264	0.002943	339824295.87
1653006201	Connection	JP11	Bellcore Issue 6	Level I		0.008828	1.00	.0793	0.008828	113274765.29
1759100002	Miscellaneous	BZ1	Bellcore Issue 6	Level I		0.150000	1.00	1.3474	0.150000	6666666.67
1653225200	Connection	CN1	Bellcore Issue 6	Level I		0.036784	1.00	.3304	0.036784	27185943.67
1653005201	Connection	CN2	Bellcore Issue 6	Level I		0.007357	1.00	.0661	0.007357	135929718.35
1653220203	Connection	CN3	Bellcore Issue 6	Level I		0.029427	1.00	.2643	0.029427	33982429.59
1653217202	Connection	CN6	Bellcore Issue 6	Level I		0.025013	1.00	.2247	0.025013	39979328.93
1653205200	Connection	CN8	Bellcore Issue 6	Level I		0.007357	1.00	.0661	0.007357	135929718.35
1655005021	Connection	CN14	Bellcore Issue 6	Level I		0.003678	1.00	.0330	0.003678	271859436.70
1655106011	Connection	CN16	Bellcore Issue 6	Level I		0.004414	1.00	.0396	0.004414	226549530.58
1654515302	Connection	CN18	Bellcore Issue 6	Level I		0.013242	1.00	.1189	0.013242	75516510.19
1654409103	Connection	CN19	Bellcore Issue 6	Level I		0.006621	1.00	.0595	0.006621	151033020.39
1169701700	Capacitor	C51	Bellcore Issue 6	Level I		0.000742	1.00	.0067	0.000742	1348377070.19
1653002101	Connection	JP1,JP7	Bellcore Issue 6	Level I		0.001471	1.00	.0132	0.001471	679648591.75
1653003200	Connection	JP2	Bellcore Issue 6	Level I		0.004414	1.00	.0396	0.004414	226549530.58
1653003201	Connection	JP8-9	Bellcore Issue 6	Level I		0.004414	2.00	.0793	0.008828	226549530.58
1653006100	Connection	CN4	Bellcore Issue 6	Level I		0.004414	1.00	.0396	0.004414	226549530.58
1653213201	Connection	CN7	Bellcore Issue 6	Level I		0.019128	1.00	.1718	0.019128	52280660.90
1655304020	Connection	CN15	Bellcore Issue 6	Level I		0.002943	1.00	.0264	0.002943	339824295.87
1652512200	Connection	CN17	Bellcore Issue 6	Level I		0.008828	1.00	.0793	0.008828	113274765.29
1654606303	Connection	CN20	Bellcore Issue 6	Level I		0.004414	1.00	.0396	0.004414	226549530.58
1651584490	Connection	DIMM1	Bellcore Issue 6	Level I		0.123593	1.00	1.1102	0.123593	8091054.66
1653003100	Connection	JP3,JP6	Bellcore Issue 6	Level I		0.002207	2.00	.0396	0.004414	453099061.16

AAEON Reliability Prediction Report

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Reference Des
Date 07. 31, 2003
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 30.00

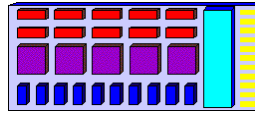


Description Top-level assembly
File Name HSB-460I A02.RPJ
Time 2:24 PM
Failure Rate 11.132728
MTBF 89,825

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1314780501	Integrated Circuit	Q5	Bellcore Issue 6	Level I		0.085069	1.00	.7641	0.085069	11755142.30
14S3020100	Integrated Circuit	U37	Bellcore Issue 6	Level I		0.085069	1.00	.7641	0.085069	11755142.30
1124568280	Capacitor	C5	Bellcore Issue 6	Level I		0.001095	1.00	.0098	0.001095	913384542.91
1124418080	Capacitor	C12,C18,C31-32	Bellcore Issue 6	Level I		0.001095	4.00	.0393	0.004379	913384542.91
14S9921100	Integrated Circuit	U22	Bellcore Issue 6	Level I	17.90	0.137173	1.00	1.2322	0.137173	7290042.85
14S5A01400	Integrated Circuit	U23,U35	Bellcore Issue 6	Level I		0.085069	2.00	1.5283	0.170138	11755142.30
14S4048500	Integrated Circuit	U26,U28	Bellcore Issue 6	Level I		0.085069	2.00	1.5283	0.170138	11755142.30
14S3128420	Integrated Circuit	U30	Bellcore Issue 6	Level I		0.085069	1.00	.7641	0.085069	11755142.30
14S6334610	Integrated Circuit	U32	Bellcore Issue 6	Level I		0.043846	1.00	.3938	0.043846	22807217.63
14S4066900	Integrated Circuit	U34	Bellcore Issue 6	Level I	10.80	0.094933	1.00	.8527	0.094933	10533792.86
1212306030	Inductor	FB1-6,FB11,FB13,FB15-25,FB27-3-1,FB33-38,FB51-53	Bellcore Issue 6	Level I		0.002497	33.00	.7402	0.082404	400465049.33
14S6863300	Integrated Circuit	U20	Bellcore Issue 6	Level I	15.20	0.342210	1.00	3.0739	0.342210	2922182.75
1315993310	Semiconductor	Q2	Bellcore Issue 6	Level I	14.90	0.272141	1.00	2.4445	0.272141	3674559.61
1311119710	Semiconductor	Q4	Bellcore Issue 6	Level I		0.027506	1.00	.2471	0.027506	36355499.33
15407272A0	Resistor	RP9	Bellcore Issue 6	Level I		0.007821	1.00	.0702	0.007821	127865228.52
1540733180	Resistor	RP29	Bellcore Issue 6	Level I		0.007821	1.00	.0702	0.007821	127865228.52
1540710380	Resistor	RP55-56,RP65-66,RP68	Bellcore Issue 6	Level I		0.007821	5.00	.3512	0.039104	127865228.52
1540727280	Resistor	RP61	Bellcore Issue 6	Level I		0.007821	1.00	.0702	0.007821	127865228.52
105A549963	Resistor	R2	Bellcore Issue 6	Level I		0.002497	1.00	.0224	0.002497	400465049.33
105A500133	Resistor	R4	Bellcore Issue 6	Level I		0.002497	1.00	.0224	0.002497	400465049.33
105A704733	Resistor	R165-166,R6	Bellcore Issue 6	Level I		0.002497	3.00	.0673	0.007491	400465049.33
105A701033	Resistor	R10,R101,R113-115,R119,R144,R-146,R168,R177,R18,R189-191,R19-9,R21-22,R239-242,R269,R288-28-9,R300,R306,R52,R68-69,R74,R88-,R9,R92	Bellcore Issue 6	Level I		0.002497	33.00	.7402	0.082404	400465049.33
1122722780	Capacitor	CB140	Bellcore Issue 6	Level I		0.001650	1.00	.0148	0.001650	606167880.37
1653007204	Connection	CN10	Bellcore Issue 6	Level I		0.010299	1.00	.0925	0.010299	97092655.96
1129710050	Capacitor	C1,CT1,CT15,CT18,CT21-22,CT24--25,CT28,CT3,CT30,CT32-40,CT42,-CT44-47,CT50-54,CT8	Bellcore Issue 6	Level I		0.005644	31.00	1.5716	0.174965	177178372.26

AAEON Reliability Prediction Report

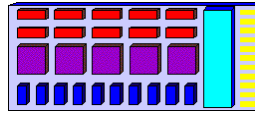
Part Number System
Reference Des
Date 07. 31, 2003
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 30.00



Description Top-level assembly
File Name HSB-460I A02.RPJ
Time 2:24 PM
Failure Rate 11.132728
MTBF 89,825

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1189633182	Capacitor	CT7	Bellcore Issue 6	Level I	14.10	0.007012	1.00	.0630	0.007012	142609853.51
1119622051	Capacitor	C39,C42,CT12,CT14	Bellcore Issue 6	Level I		0.058447	4.00	2.1000	0.233788	17109518.02
1124522880	Capacitor	C3	Bellcore Issue 6	Level I		0.001095	1.00	.0098	0.001095	913384542.91
105A704723	Resistor	R107,R109,R111,R116-117,R121,R-124-128,R132,R134,R139,R163,-1-64,R167,R170,R220,R226,R229,R2-33,-234,R260,R272,R276,R280-283-,R285-286,R292-293,R304-305,R5-6,R86,R93	Bellcore Issue 6	Level I		0.002497	39.00	.8748	0.097387	400465049.33
105A702203	Resistor	R129-130,R135,R142-143,R197,R-219,R227,R231-232,R82,R90,R94--99	Bellcore Issue 6	Level I		0.002497	18.00	.4037	0.044948	400465049.33
105A705623	Resistor	R152	Bellcore Issue 6	Level I		0.002497	1.00	.0224	0.002497	400465049.33
105A707503	Resistor	R157-158,R267-268	Bellcore Issue 6	Level I		0.002497	4.00	.0897	0.009988	400465049.33
105A710003	Resistor	R178-179	Bellcore Issue 6	Level I		0.002497	2.00	.0449	0.004994	400465049.33
105A568003	Resistor	R243	Bellcore Issue 6	Level I		0.002497	1.00	.0224	0.002497	400465049.33
105A701533	Resistor	R278-279,R284,R287,R294	Bellcore Issue 6	Level I		0.002497	5.00	.1122	0.012485	400465049.33
14S2652000	Integrated Circuit	U1	Bellcore Issue 6	Level I	13.30	0.209561	1.00	1.8824	0.209561	4771874.72
105A700133	Resistor	R102,R104,R141,R149,R182,R184-,R19,R201-202,R221,R235,R245,R-254,R273,R301-302	Bellcore Issue 6	Level I		0.002497	16.00	.3589	0.039954	400465049.33
105A700003	Resistor	R112,R136,R186-188,R192,R196,R-20,R204,R208-210,R216,R218,R22-2-223,R250-251,R253,R256,R263,-R266,R271,R275,R295-297	Bellcore Issue 6	Level I		0.002497	27.00	.6056	0.067422	400465049.33
105A733003	Resistor	R153,R156,R23,R25,R27,R87	Bellcore Issue 6	Level I		0.002497	6.00	.1346	0.014983	400465049.33
105A702233	Resistor	R213,R24,R26,R28	Bellcore Issue 6	Level I		0.002497	4.00	.0897	0.009988	400465049.33
105A703303	Resistor	R106,R108,R110,R118,R120,R140-,R145,R160-161,R172,R194-195,R-206,R30,R47-51,R53,R73,R83-85,-R89	Bellcore Issue 6	Level I		0.002497	25.00	.5608	0.062427	400465049.33
14S5512500	Integrated Circuit	U27	Bellcore Issue 6	Level I	13.40	0.143421	1.00	1.2883	0.143421	6972491.18
14S2202600	Integrated Circuit	U33	Bellcore Issue 6	Level I		0.085069	1.00	.7641	0.085069	11755142.30
14S4397701	Integrated Circuit	U36	Bellcore Issue 6	Level I	13.40	0.108839	1.00	.9777	0.108839	9187848.83

AAEON Reliability Prediction Report



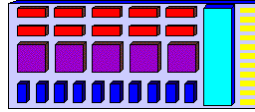
Part Number System
Reference Des
Date 07. 31, 2003
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 30.00

Description Top-level assembly
File Name HSB-460I A02.RPJ
Time 2:24 PM
Failure Rate 11.132728
MTBF 89,825

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1124427080	Capacitor	C34-35	Bellcore Issue 6	Level I		0.001095	2.00	.0197	0.002190	913384542.91
1124533080	Capacitor	C52-56,C62	Bellcore Issue 6	Level I		0.001095	6.00	.0590	0.006569	913384542.91
1124522280	Capacitor	C147,C75	Bellcore Issue 6	Level I		0.001095	2.00	.0197	0.002190	913384542.91
1124510080	Capacitor	C132,C135,C92	Bellcore Issue 6	Level I		0.001095	3.00	.0295	0.003284	913384542.91
1124420080	Capacitor	C123-124	Bellcore Issue 6	Level I		0.001095	2.00	.0197	0.002190	913384542.91
1124522080	Capacitor	C128,C133	Bellcore Issue 6	Level I		0.001095	2.00	.0197	0.002190	913384542.91
1302001242	Semiconductor	D3	Bellcore Issue 6	Level I		0.029965	1.00	.2692	0.029965	33372087.44
1124547080	Capacitor	C102-105,C60	Bellcore Issue 6	Level I		0.001095	5.00	.0492	0.005474	913384542.91
1124501780	Capacitor	C108,C110,C67,C81-84,C86,C88-9-1,C94	Bellcore Issue 6	Level I		0.001095	13.00	.1278	0.014233	913384542.91
1122747880	Capacitor	C77	Bellcore Issue 6	Level I		0.001650	1.00	.0148	0.001650	606167880.37
1129747650	Capacitor	C101,C98	Bellcore Issue 6	Level I		0.002811	2.00	.0505	0.005622	355724650.53
1124568080	Capacitor	C109	Bellcore Issue 6	Level I		0.001095	1.00	.0098	0.001095	913384542.91
1124522180	Capacitor	C150-160,C164-167,C171,C174-1-77	Bellcore Issue 6	Level I		0.001095	20.00	.1967	0.021897	913384542.91
1301005440	Semiconductor	D1,D2	Bellcore Issue 6	Level I		0.027506	2.00	.4941	0.055012	36355499.33
1212306032	Capacitor	FB10,FB32,FB39,FB41,FB43-44,F-B47-50,FB7-9	Bellcore Issue 6	Level I		0.005644	13.00	.6591	0.073372	177178372.26
1752311000	Miscellaneous	F1-4	Bellcore Issue 6	Level I		0.030000	4.00	1.0779	0.120000	33333333.33
1211103360	Inductor	L1	Bellcore Issue 6	Level I		0.002497	1.00	.0224	0.002497	400465049.33
1314838410	Integrated Circuit	Q3	Bellcore Issue 6	Level I	21.30	0.347820	1.00	3.1243	0.347820	2875049.61
1310222210	Semiconductor	Q10,Q6-8	Bellcore Issue 6	Level I		0.027506	4.00	.9883	0.110025	36355499.33
1540710080	Resistor	RP1-8,RP10-12,RP18-25,RP27-28	Bellcore Issue 6	Level I		0.007821	21.00	1.4752	0.164235	127865228.52
1540733082	Resistor	RP13-17,RP26,RP30-39,RP42,RP44-RP46,RP48,RP50-52,RP54,RP67	Bellcore Issue 6	Level I		0.007821	25.00	1.7562	0.195518	127865228.52
15407103A0	Resistor	RP40,RP59-60,RP69	Bellcore Issue 6	Level I		0.015641	4.00	.5620	0.062566	63932614.26
1540747282	Resistor	RP41,RP57,RP64	Bellcore Issue 6	Level I		0.007821	3.00	.2107	0.023462	127865228.52
1540701380	Resistor	RP58	Bellcore Issue 6	Level I		0.007821	1.00	.0702	0.007821	127865228.52
1540700080	Resistor	RP63	Bellcore Issue 6	Level I		0.007821	1.00	.0702	0.007821	127865228.52
105A702263	Resistor	R1	Bellcore Issue 6	Level I		0.002497	1.00	.0224	0.002497	400465049.33
105A515413	Resistor	R3	Bellcore Issue 6	Level I		0.002497	1.00	.0224	0.002497	400465049.33
105A501033	Resistor	R5	Bellcore Issue 6	Level I		0.002497	1.00	.0224	0.002497	400465049.33

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Part Number System
Reference Des
Date 07. 31, 2003
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 30.00

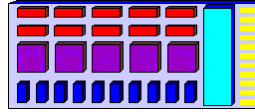


Description Top-level assembly
File Name HSB-460I A02.RPJ
Time 2:24 PM
Failure Rate 11.132728
MTBF 89,825

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A701003	Resistor	R11-16,R175,R181,R183,R185,R1-93,R200,R230,R246-249,R31,R37,-R38-R39,R41,R43-46,R58-62,R66--67,R7,R75-78	Bellcore Issue 6	Level I		0.002497	38.00	.8523	0.094890	400465049.33
105A511503	Resistor	R8	Bellcore Issue 6	Level I		0.002497	1.00	.0224	0.002497	400465049.33
105A518703	Resistor	R17	Bellcore Issue 6	Level I		0.002497	1.00	.0224	0.002497	400465049.33
1122701680	Capacitor	C106-107,C119-122,C134,C178-1-79,C36-38,C40-41,C43-45,C47,C49--50,C57-59,C6,C63,C76,CB1-107,-CB109-119,CB121-139,CB141-152	Bellcore Issue 6	Level I		0.001650	175.00	2.5932	0.288699	606167880.37
1653925216	Connection	CFD1	Bellcore Issue 6	Level I		0.036784	1.00	.3304	0.036784	27185943.67
1653005202	Connection	CN9	Bellcore Issue 6	Level I		0.007357	1.00	.0661	0.007357	135929718.35
1653010203	Connection	CN11	Bellcore Issue 6	Level I		0.014713	1.00	.1322	0.014713	67964859.17
1189610185	Capacitor	CT11,CT2,CT43	Bellcore Issue 6	Level I		0.002755	3.00	.0742	0.008264	363027763.41
1112610050	Capacitor	CT13,CT16,CT19,CT20,CT4-5	Bellcore Issue 6	Level I		0.026857	6.00	1.4475	0.161141	37234470.36
1189622184	Capacitor	CT48-49	Bellcore Issue 6	Level I		0.005432	2.00	.0976	0.010864	184100031.83
1189615185	Capacitor	CT23	Bellcore Issue 6	Level I	13.80	0.006976	1.00	.0627	0.006976	143352874.69
1129701080	Capacitor	C126-127,C129-131,C148,C2,C46,-C68,C70,C72,C74	Bellcore Issue 6	Level I		0.002811	12.00	.3030	0.033734	355724650.53
1124547180	Capacitor	C141-142,C4,C66,C73,C78,C80	Bellcore Issue 6	Level I		0.001095	7.00	.0688	0.007664	913384542.91
105A704703	Resistor	R162,R70-72,R81	Bellcore Issue 6	Level I		0.002497	5.00	.1122	0.012485	400465049.33
105A708203	Resistor	R100,R103,R105,R237-238	Bellcore Issue 6	Level I		0.002497	5.00	.1122	0.012485	400465049.33
105A505623	Resistor	R151	Bellcore Issue 6	Level I		0.002497	1.00	.0224	0.002497	400465049.33
105A507503	Resistor	R154-155,R159	Bellcore Issue 6	Level I		0.002497	3.00	.0673	0.007491	400465049.33
105A702223	Resistor	R169,R244,R252	Bellcore Issue 6	Level I		0.002497	3.00	.0673	0.007491	400465049.33
105A747003	Resistor	R171	Bellcore Issue 6	Level I		0.002497	1.00	.0224	0.002497	400465049.33
105A710033	Resistor	R217	Bellcore Issue 6	Level I		0.002497	1.00	.0224	0.002497	400465049.33
105A705103	Resistor	R261-262,R264-265	Bellcore Issue 6	Level I		0.002497	4.00	.0897	0.009988	400465049.33
105A710053	Resistor	R270	Bellcore Issue 6	Level I		0.014983	1.00	.1346	0.014983	66744174.89
105A702723	Resistor	R290-291	Bellcore Issue 6	Level I		0.002497	2.00	.0449	0.004994	400465049.33
14S6861600	Integrated Circuit	U2	Bellcore Issue 6	Level I	13.30	0.246181	1.00	2.2113	0.246181	4062049.85
14S5900700	Integrated Circuit	U4	Bellcore Issue 6	Level I	11.80	0.134932	1.00	1.2120	0.134932	7411162.71

AAEON Reliability Prediction Report

Part Number System
Reference Des
Date 07. 31, 2003
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 30.00

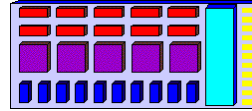


Description Top-level assembly
File Name HSB-460I A02.RPJ
Time 2:24 PM
Failure Rate 11.132728
MTBF 89,825

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
14S6202002	Integrated Circuit	U6	Bellcore Issue 6	Level I		0.213493	1.00	1.9177	0.213493	4683987.20
14S5203200	Integrated Circuit	U9	Bellcore Issue 6	Level I		0.081309	1.00	.7304	0.081309	12298773.80
14S4553011	Integrated Circuit	U11	Bellcore Issue 6	Level I	20.20	0.154010	1.00	1.3834	0.154010	6493102.99
14S4911216	Integrated Circuit	U12	Bellcore Issue 6	Level I		0.052468	1.00	.4713	0.052468	19059380.43
14S3000201	Inductor	U15	Bellcore Issue 6	Level I		0.149826	1.00	1.3458	0.149826	6674417.49
14S4813905	Integrated Circuit	U16	Bellcore Issue 6	Level I		0.052468	1.00	.4713	0.052468	19059380.43
14S1488000	Integrated Circuit	U18	Bellcore Issue 6	Level I	13.10	0.206856	1.00	1.8581	0.206856	4834291.70
14S4030000	Integrated Circuit	U5	Bellcore Issue 6	Level I		0.052468	1.00	.4713	0.052468	19059380.43
14S5837301	Integrated Circuit	U7-8	Bellcore Issue 6	Level I		0.052167	2.00	.9372	0.104333	19169380.80
14S3149100	Integrated Circuit	U10	Bellcore Issue 6	Level I		0.052468	1.00	.4713	0.052468	19059380.43
105A503300	Resistor	R40,R65	Bellcore Issue 6	Level I		0.002497	2.00	.0449	0.004994	400465049.33
14S4021310	Integrated Circuit	U14,U19,U31,U38	Bellcore Issue 6	Level I		0.085069	4.00	3.0565	0.340277	11755142.30
105A500233	Resistor	R42,R54	Bellcore Issue 6	Level I		0.002497	2.00	.0449	0.004994	400465049.33
14S4070610	Integrated Circuit	U25	Bellcore Issue 6	Level I		0.085069	1.00	.7641	0.085069	11755142.30
1315992601	Semiconductor	Q1	Bellcore Issue 6	Level I	14.20	0.267362	1.00	2.4016	0.267362	3740241.91
1651203291	Connection	U6	Bellcore Issue 6	Level I		0.023542	1.00	.2115	0.023542	42478036.98
14S3181900	Integrated Circuit	U17	Bellcore Issue 6	Level I	25.30	0.443971	1.00	3.9880	0.443971	2252397.35
105A700233	Resistor	R299	Bellcore Issue 6	Level I		0.002497	1.00	.0224	0.002497	400465049.33
1124527180	Capacitor	C69,C71	Bellcore Issue 6	Level I		0.001095	2.00	.0197	0.002190	913384542.91
1121615080	Capacitor	C180	Bellcore Issue 6	Level I		0.001095	1.00	.0098	0.001095	913384542.91
1189610187	Capacitor	CT41	Bellcore Issue 6	Level I		0.005432	1.00	.0488	0.005432	184100031.83
121230603C	Inductor	FB14,FB40,FB42,FB45-46	Bellcore Issue 6	Level I		0.002497	5.00	.1122	0.012485	400465049.33
14S8416801	Integrated Circuit	U13	Bellcore Issue 6	Level I	12.90	0.106034	1.00	.9525	0.106034	9430949.48
1124510180	Capacitor	C111-118,C161-163,C168-170,C1-72-173,C48,C64-65	Bellcore Issue 6	Level I		0.001095	19.00	.1869	0.020802	913384542.91
1189622184	Capacitor	CT9	Bellcore Issue 6	Level I	16.30	0.007282	1.00	.0654	0.007282	137318379.85
14S6863300	Integrated Circuit	U21	Bellcore Issue 6	Level I	16.10	0.358417	1.00	3.2195	0.358417	2790047.73
14S6863300	Integrated Circuit	U24	Bellcore Issue 6	Level I	14.90	0.336953	1.00	3.0267	0.336953	2967776.81
14S6863300	Integrated Circuit	U29	Bellcore Issue 6	Level I	15.20	0.342210	1.00	3.0739	0.342210	2922182.75
1315993310	Semiconductor	Q9	Bellcore Issue 6	Level I		0.183374	1.00	1.6472	0.183374	5453324.90
1189610185	Capacitor	CT17	Bellcore Issue 6	Level I	27.50	0.004442	1.00	.0399	0.004442	225116310.99

AAEON Reliability Prediction Report

Part Number System
Reference Des
Date 07. 31, 2003
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 30.00



Description Top-level assembly
File Name HSB-460I A02.RPJ
Time 2:24 PM
Failure Rate 11.132728
MTBF 89,825

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate. Unit	Quantity	Failure Rate. %	Failure Rate	MTBF. Unit
1189610185	Capacitor	CT26	Bellcore Issue 6	Level I	15.00	0.003612	1.00	.0324	0.003612	276879252.20
1189610185	Capacitor	CT27	Bellcore Issue 6	Level I	15.80	0.003662	1.00	.0329	0.003662	273103181.36
1189610185	Capacitor	CT29	Bellcore Issue 6	Level I	15.40	0.003637	1.00	.0327	0.003637	274982354.39
1189610185	Capacitor	CT31	Bellcore Issue 6	Level I	15.40	0.003637	1.00	.0327	0.003637	274982354.39