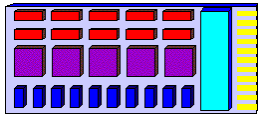
AAEON Reliability Prediction Report

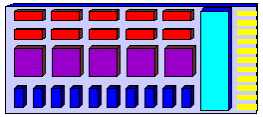
Part Number Fujitsu
Reference Des
Date 10. 29, 2001
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00



Description Top-level assembly
File Name Fujitsu.RPJ
Time 2:07 PM
Failure Rate 2.698164
MTBF 370,622

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
Fujitsu	Fujitsu	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	2.698164	370,622

AAEON Reliability Prediction Report



Part Number	Fujitsu	**Description**	Top-level assembly
Reference Des		**File Name**	Fujitsu.RPJ
Date	10. 29, 2001	**Time**	2:07 PM
Environment	GF, GU - Ground Fixed, Uncontrolled	**Failure Rate**	2.698164
Temperature	25.00	**MTBF**	370,622

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate,%	Failure Rate	MTBF, Unit
16-03	Connection	CN2,CN3	Bellcore Issue 6	Level I		0.001707	2.00	.1265	0.003414	585853513.81
16-08	Connection	CN1	Bellcore Issue 6	Level I		0.004552	1.00	.1687	0.004552	219695067.68
IC	Integrated Circuit	IC1	Bellcore Issue 6	Level I	20.00	0.233882	1.00	8.6682	0.233882	4275661.99
189	Resistor	R1~R4	Bellcore Issue 6	Level I		0.002268	4.00	.3362	0.009071	440974090.03
222	Resistor	R5,R6	Bellcore Issue 6	Level I		0.002268	2.00	.1681	0.004535	440974090.03
4700	Resistor	R22	Bellcore Issue 6	Level I		0.002268	1.00	.0840	0.002268	440974090.03
3600	Resistor	R14,R15	Bellcore Issue 6	Level I		0.002268	2.00	.1681	0.004535	440974090.03
103	Resistor	R7~R10,R13,R18,R35	Bellcore Issue 6	Level I		0.002268	7.00	.5883	0.015874	440974090.03
104	Resistor	R21	Bellcore Issue 6	Level I		0.002268	1.00	.0840	0.002268	440974090.03
105	Resistor	R33,R34	Bellcore Issue 6	Level I		0.002268	2.00	.1681	0.004535	440974090.03
472	Resistor	R11,R12,R27,R28	Bellcore Issue 6	Level I		0.002268	4.00	.3362	0.009071	440974090.03
123	Resistor	R20,R26	Bellcore Issue 6	Level I		0.002268	2.00	.1681	0.004535	440974090.03
152	Resistor	R23,R31,R32,R36	Bellcore Issue 6	Level I		0.002268	4.00	.3362	0.009071	440974090.03
153	Resistor	R19	Bellcore Issue 6	Level I		0.002268	1.00	.0840	0.002268	440974090.03
295	Resistor	R17	Bellcore Issue 6	Level I		0.002268	1.00	.0840	0.002268	440974090.03
392	Resistor	R24	Bellcore Issue 6	Level I		0.002268	1.00	.0840	0.002268	440974090.03
393	Resistor	R25	Bellcore Issue 6	Level I		0.002268	1.00	.0840	0.002268	440974090.03
1800	Resistor	R29,R30	Bellcore Issue 6	Level I	2.50	0.002381	2.00	.1765	0.004761	420063326.65
0	Resistor	JP1~JP3	Bellcore Issue 6	Level I		0.002268	3.00	.2521	0.006803	440974090.03
228	Resistor	R16	Bellcore Issue 6	Level I	1.10	0.002317	1.00	.0859	0.002317	431604896.39
CAP1	Capacitor	C4~C12,C115~C21	Bellcore Issue 6	Level I		0.071121	16.00	42.1746	1.137941	14060484.33
CAP2	Capacitor	C1,C2,C3	Bellcore Issue 6	Level I		0.004535	3.00	.5043	0.013606	220487045.01
A	Semiconductor	D1~D7	Bellcore Issue 6	Level I		0.023881	7.00	6.1956	0.167167	41874327.58
B	Semiconductor	ZD1~ZD3	Bellcore Issue 6	Level I		0.027212	3.00	3.0257	0.081637	36747840.84
C	Integrated Circuit	Q1~Q8	Bellcore Issue 6	Level I		0.059366	8.00	17.6019	0.474928	16844654.92
D	Inductor	L1,L2	Bellcore Issue 6	Level I	30.00	0.054159	2.00	4.0145	0.108317	18464277.85
E	Inductor	T1,T2	Bellcore Issue 6	Level I	30.00	0.147002	2.00	10.8964	0.294004	6802628.68
FUSE	Miscellaneous	F1~F3	Bellcore Issue 6	Level I		0.030000	3.00	3.3356	0.090000	33333333.33