

PCM-5895B Reliability Prediction Report (MTBF)

Report NO : 08E070028

9-16-2008

Issue Date

Wenyuan Yang

Manager

Jessica Chou

Test Engineer

Reliability Prediction (MTBF)

I . **Model Name:** PCM-5895 Ver.B

II . **Prediction Date:** Sep. 16, 2008

III . **Prediction Site:** AAEON Q.E. Dept.

IV . **Predicted by :** Jessica Chou

V . **Equipment:** Relex Ver.7.3 Visual Reliability Software

VI. Simulation Environment:

- Temperature: 27.8 degree C
- Standard: Telcordia (Bellcore) Standard

VII. 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.

VIII. Prediction Result:

- PCM-5895 Ver.B
 - Failure Rate: 13.572214 ppm
 - MTBF: 73,680 Hours

AAEON Reliability Prediction Report

Part Number 9697589526-DIP
Reference Des
Date 09. 16, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 27.80



Description Top-level assembly
File Name PCM-5895B.RPJ
Time 10:16 上午
Failure Rate 13.572214
MTBF 73,680

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
PCM-5895 Ver.B	9697589526-DIP	Belcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	13.572214	73,680

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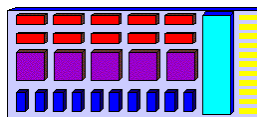


Description Top-level assembly
File Name PCM-5895B.RPJ
Time 10:16 上午
Failure Rate 13.572214
MTBF 73,680

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1231124550	Miscellaneous	Y4	Bellcore Issue 6	Level I		0.150000	1.00	1.1052	0.150000	6666666.67
1231125050	Miscellaneous	Y5,Y7	Bellcore Issue 6	Level I		0.150000	2.00	2.2104	0.300000	6666666.67
1652508204	Connection	CN21,CN28	Bellcore Issue 6	Level I		0.005262	2.00	.0775	0.010524	190050739.84
1653003100	Connection	JP18,JP2,JP7	Bellcore Issue 6	Level I		0.001973	3.00	.0436	0.005919	506801972.90
1653003101	Connection	JP13,JP6,JP17	Bellcore Issue 6	Level I		0.001973	3.00	.0436	0.005919	506801972.90
1653005200	Connection	CN7	Bellcore Issue 6	Level I		0.006577	4.00	.1938	0.026309	152040591.87
165320520E	Connection	CN18,CN16,CN8	Bellcore Issue 6	Level I		0.006577	3.00	.1454	0.019732	152040591.87
1653207209	Connection	CN15	Bellcore Issue 6	Level I		0.009208	1.00	.0678	0.009208	108600422.76
165320820G	Connection	CN14	Bellcore Issue 6	Level I		0.010524	1.00	.0775	0.010524	95025369.92
165321320G	Connection	CN16	Bellcore Issue 6	Level I		0.017101	1.00	.1260	0.017101	58477150.72
1653220203	Connection	CN19	Bellcore Issue 6	Level I		0.026309	1.00	.1938	0.026309	38010147.97
1655420020	Connection	CN10	Bellcore Issue 6	Level I		0.013154	1.00	.0969	0.013154	76020295.93
1750119011	Miscellaneous	BT1	Bellcore Issue 6	Level I		0.900000	1.00	6.6312	0.900000	11111111.11
1750220320	Connection	BT1	Bellcore Issue 6	Level I		0.001315	1.00	.0097	0.001315	760202959.35
1655003010	Connection	CN1	Bellcore Issue 6	Level I		0.001973	1.00	.0145	0.001973	506801972.90
1653220208	Connection	CN12	Bellcore Issue 6	Level I		0.026309	1.00	.1938	0.026309	38010147.97
1119610297	Capacitor	C233	Bellcore Issue 6	Level I		0.082215	1.00	.6058	0.082215	12163247.35
1653900034	Connection	CFD1	Bellcore Issue 6	Level I		0.001315	1.00	.0097	0.001315	760202959.35
1111610194	Capacitor	C323,C351	Bellcore Issue 6	Level I		0.049329	2.00	.7269	0.098658	20272078.92
1121501690	Capacitor	C102,C117	Bellcore Issue 6	Level I		0.004789	2.00	.0706	0.009578	208822143.19
1752001601	Miscellaneous	FS1	Bellcore Issue 6	Level I		0.030000	1.00	.2210	0.030000	33333333.33
175910000B	Miscellaneous	BZ1	Bellcore Issue 6	Level I		0.150000	1.00	1.1052	0.150000	6666666.67
1189656190	Capacitor	C16,C17	Bellcore Issue 6	Level I		0.004789	2.00	.0706	0.009578	208822143.19
11E9622050	Capacitor	C255,C270,C313,C322	Bellcore Issue 6	Level I		0.004789	4.00	.1411	0.019155	208822143.19
1653003201	Connection	CN13,CN25,JP10,JP12,JP11,JP8	Bellcore Issue 6	Level I		0.003946	6.00	.1745	0.023678	253400986.45
1653005100	Connection	CN29	Bellcore Issue 6	Level I		0.003289	1.00	.0242	0.003289	304081183.74
1651592492	Connection	DIMM1	Bellcore Issue 6	Level I		0.121020	1.00	.8917	0.121020	8263075.65
1654260207	Connection	PCI1	Bellcore Issue 6	Level I		0.078926	1.00	.5815	0.078926	12670049.32
105A501033	Resistor	R315,R316,R319,R326,R327,R329-R330	Bellcore Issue 6	Level I		0.002394	7.00	.1235	0.016761	417644286.39
105A512113	Resistor	R402	Bellcore Issue 6	Level I		0.002394	1.00	.0176	0.002394	417644286.39

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File Name PCM-5895B.RPJ
Time 10:16 上午
Failure Rate 13.572214
MTBF 73,680

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A700003	Resistor	R108,R164,R208,R212,R216,R218- R221,R223,R227,C349,C353,FB40- R182,R207,R287,R288,R296,R303- R314,R322,R323,R385,R440	Bellcore Issue 6	Level I		0.002394	23.00	.4058	0.055071	417644286.39
105A700003	Resistor	R234,R239,R243,R244,R247,R249- R251,R270,R286,R289,R320,R446- R448,R517,R521,R533,R550,R585- R615	Bellcore Issue 6	Level I		0.002394	20.00	.3528	0.047888	417644286.39
105A700003	Resistor	R462,R471,R475,R486,R487,R520- R524,R526,R549	Bellcore Issue 6	Level I		0.002394	9.00	.1588	0.021549	417644286.39
105A701003	Resistor	R144	Bellcore Issue 6	Level I		0.002394	1.00	.0176	0.002394	417644286.39
105A702203	Resistor	R147,R150,R154,R156,R158,R160- R167,R170,R171,R177,R179,R185- R162	Bellcore Issue 6	Level I		0.002394	13.00	.2293	0.031127	417644286.39
105A702229	Resistor	R588,R603	Bellcore Issue 6			0.000798	2.00	.0118	0.001596	1252932859.17
105A702203	Resistor	R209,R374	Bellcore Issue 6	Level I		0.002394	2.00	.0353	0.004789	417644286.39
105A703303	Resistor	R176,R195,R305,R306,R340,R341- R355-R358,R364,R377,R378,R380- R434	Bellcore Issue 6	Level I		0.002394	15.00	.2646	0.035916	417644286.39
105A703303	Resistor	R449,R74,R95	Bellcore Issue 6	Level I		0.002394	3.00	.0529	0.007183	417644286.39
105A703309	Resistor	R163,R165,R192,R193	Bellcore Issue 6	Level I		0.002394	4.00	.0706	0.009578	417644286.39
105A704703	Resistor	R324	Bellcore Issue 6	Level I		0.002394	2.00	.0353	0.004789	417644286.39
105A704723	Resistor	R102,R186,R188,R190,R194,R228- R230,R245,R278,R279,R283,R304- R388,R396,R401,R519,R552,R627	Bellcore Issue 6	Level I		0.002394	19.00	.3352	0.045493	417644286.39
105A704723	Resistor	R454,R456,R458,R548,R70,R72,R- 84,R86,R87,R90	Bellcore Issue 6	Level I		0.002394	10.00	.1764	0.023944	417644286.39
105A704739	Resistor	R529,R535	Bellcore Issue 6	Level I		0.002394	2.00	.0353	0.004789	417644286.39
105A708223	Resistor	R250,R253,R258,R259,R271,R273- R282,R297,R299,R538,R540-R542- R272,R274,R307,R381,R382,R543	Bellcore Issue 6	Level I		0.002394	19.00	.3352	0.045493	417644286.39
105A710003	Resistor	R202,R532,R71	Bellcore Issue 6	Level I		0.002394	3.00	.0529	0.007183	417644286.39
105A700133	Resistor	R157,R159,R168,R187,R205,R219- R220,R222,R235,R238,R240,R241- R254,R264,R359,R461,R518,R546- R547	Bellcore Issue 6	Level I		0.002394	19.00	.3352	0.045493	417644286.39
105A710039	Resistor	R934	Bellcore Issue 6	Level I		0.002394	1.00	.0176	0.002394	417644286.39
105A712003	Resistor	R175,R191	Bellcore Issue 6	Level I		0.002394	2.00	.0353	0.004789	417644286.39

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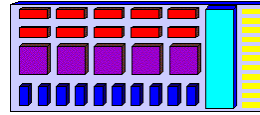


Description Top-level assembly
File Name PCM-5895B.RPJ
Time 10:16 上午
Failure Rate 13.572214
MTBF 73,680

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A712009	Resistor	R586,R614	Bellcore Issue 6	Level I		0.002394	2.00	.0353	0.004789	417644286.39
105A700133	Resistor	R265,R275,R276,R294,R325,R338-R354,R368,R452	Bellcore Issue 6	Level I		0.002394	9.00	.1588	0.021549	417644286.39
105A700133	Resistor	R73,R77	Bellcore Issue 6	Level I		0.002394	2.00	.0353	0.004789	417644286.39
105A733003	Resistor	R198,R204,R83,R173,R183	Bellcore Issue 6	Level I		0.002394	5.00	.0882	0.011972	417644286.39
105A701033	Resistor	R148,R206,R215,R233,R237,R263-R266-R268,R280,R285,R291,R292	Bellcore Issue 6	Level I		0.002394	13.00	.2293	0.031127	417644286.39
105A701033	Resistor	R298,R362,R365-R367,R369,R373-R376,R430-R432,R500,R523,R226-R232	Bellcore Issue 6	Level I		0.002394	15.00	.2646	0.035916	417644286.39
105A701033	Resistor	R544,R89	Bellcore Issue 6	Level I		0.002394	2.00	.0353	0.004789	417644286.39
105A703039	Resistor	R534,R539	Bellcore Issue 6	Level I		0.002394	2.00	.0353	0.004789	417644286.39
105A747003	Resistor	R361,R109,R110,R172,R174,R178-R184,R554,R626	Bellcore Issue 6	Level I		0.002394	9.00	.1588	0.021549	417644286.39
1059700001	Resistor	R497,R498	Bellcore Issue 6	Level I		0.002394	2.00	.0353	0.004789	417644286.39
1059705633	Resistor	R375	Bellcore Issue 6	Level I		0.002394	1.00	.0176	0.002394	417644286.39
1059703623	Resistor	R400,R504	Bellcore Issue 6	Level I		0.002394	2.00	.0353	0.004789	417644286.39
105A500133	Resistor	R1,R141,R2-R4	Bellcore Issue 6	Level I		0.002394	5.00	.0882	0.011972	417644286.39
105A501039	Resistor	R399,R505	Bellcore Issue 6			0.000798	2.00	.0118	0.001596	1252932859.17
105A502223	Resistor	R197,R260,R277,R349,R370,R371	Bellcore Issue 6	Level I		0.002394	6.00	.1059	0.014366	417644286.39
105A503033	Resistor	R318	Bellcore Issue 6	Level I		0.002394	1.00	.0176	0.002394	417644286.39
105A504763	Resistor	R502	Bellcore Issue 6	Level I		0.002394	1.00	.0176	0.002394	417644286.39
105A505623	Resistor	R308,R321	Bellcore Issue 6	Level I		0.002394	2.00	.0353	0.004789	417644286.39
105A507503	Resistor	R344,R348,R352,R353,R513-R516	Bellcore Issue 6	Level I		0.002394	8.00	.1411	0.019155	417644286.39
105A551119	Resistor	R593,R600	Bellcore Issue 6	Level I		0.002394	2.00	.0353	0.004789	417644286.39
105A566519	Resistor	R595	Bellcore Issue 6	Level I		0.002394	1.00	.0176	0.002394	417644286.39
105A549963	Resistor	R332-R335,R508,R510-R512	Bellcore Issue 6	Level I		0.002394	8.00	.1411	0.019155	417644286.39
105A705139	Resistor	R633,R634	Bellcore Issue 6	Level I		0.002394	2.00	.0353	0.004789	417644286.39
105A705133	Resistor	R459,R460,R74	Bellcore Issue 6	Level I		0.002394	3.00	.0529	0.007183	417644286.39
105A710033	Resistor	R189,R196,R231,R331,R336,R337-R350,R351,R372,R441-R443	Bellcore Issue 6	Level I		0.002394	12.00	.2117	0.028733	417644286.39
105A751003	Resistor	R345-R347,R451,R467,R503	Bellcore Issue 6	Level I		0.002394	6.00	.1059	0.014366	417644286.39
1212306030	Inductor	FB20,FB25,FB29,FB30-FB34,FB43-FB46,FB51,FB6	Bellcore Issue 6	Level I		0.002394	14.00	.2470	0.033521	417644286.39

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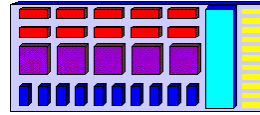


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File Name PCM-5895B.RPJ
Time 10:16 上午
Failure Rate 13.572214
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1212306030	Inductor	FB61,FB63-FB69,FB9,FB55	Bellcore Issue 6	Level I		0.002394	10.00	.1764	0.023944	417644286.39
1212306032	Inductor	FB23,FB24,FB26,FB28,FB35-FB36- FB41,FB42,FB47-FB50,FB15,FB16	Bellcore Issue 6	Level I		0.002394	14.00	.2470	0.033521	417644286.39
121230603S	Inductor	FB70,FB71	Bellcore Issue 6	Level I		0.002394	2.00	.0353	0.004789	417644286.39
1212306035	Inductor	FB18,FB19,FB37-FB39	Bellcore Issue 6	Level I		0.002394	5.00	.0882	0.011972	417644286.39
1231114350	Miscellaneous	Y2	Bellcore Issue 6	Level I		0.150000	1.00	1.1052	0.150000	6666666.67
1231232722	Miscellaneous	Y3	Bellcore Issue 6	Level I		0.150000	1.00	1.1052	0.150000	6666666.67
1214309000	Inductor	CH1-CH4	Bellcore Issue 6	Level I		0.002394	4.00	.0706	0.009578	417644286.39
1122701680	Capacitor	C201,C387,C392,C393,C397,C398- C401-C404,C410-C412,C414-C416- C419-C422	Bellcore Issue 6	Level I		0.004789	20.00	.7057	0.095775	208822143.19
1122701680	Capacitor	C482,C556	Bellcore Issue 6	Level I		0.004789	2.00	.0706	0.009578	208822143.19
1124410190	Capacitor	C108,C114	Bellcore Issue 6	Level I		0.004789	2.00	.0706	0.009578	208822143.19
1124422080	Capacitor	C241,C242,C279,C280,C283	Bellcore Issue 6	Level I		0.004789	5.00	.1764	0.023944	208822143.19
1124410080	Capacitor	C207,C360,C364,C80	Bellcore Issue 6	Level I		0.004789	4.00	.1411	0.019155	208822143.19
1124510180	Capacitor	C305,C330,C350,C354,C355	Bellcore Issue 6	Level I		0.004789	5.00	.1764	0.023944	208822143.19
1124510280	Capacitor	C325,C340	Bellcore Issue 6	Level I		0.004789	2.00	.0706	0.009578	208822143.19
1124522180	Capacitor	C373-C376	Bellcore Issue 6	Level I		0.004789	4.00	.1411	0.019155	208822143.19
1124415080	Capacitor	C120,C124,C133,C134	Bellcore Issue 6	Level I		0.004789	4.00	.1411	0.019155	208822143.19
1124522880	Capacitor	C136	Bellcore Issue 6	Level I		0.004789	1.00	.0353	0.004789	208822143.19
1124427080	Capacitor	C310,C321,C543,C544	Bellcore Issue 6	Level I		0.004789	4.00	.1411	0.019155	208822143.19
1124533080	Capacitor	C334-C336,C361-C363	Bellcore Issue 6	Level I		0.004789	6.00	.2117	0.028733	208822143.19
1124547080	Capacitor	C196,C237,C258,C276,C306	Bellcore Issue 6	Level I		0.004789	5.00	.1764	0.023944	208822143.19
1540710080	Resistor	RP57,RP63	Bellcore Issue 6	Level I		0.007091	2.00	.1045	0.014181	141031768.50
1129747650	Capacitor	C247	Bellcore Issue 6	Level I		0.004789	1.00	.0353	0.004789	208822143.19
1540701380	Resistor	RP58	Bellcore Issue 6	Level I		0.007091	1.00	.0522	0.007091	141031768.50
1540710380	Resistor	RP31,RP46,RP87-RP89	Bellcore Issue 6	Level I		0.007091	5.00	.2612	0.035453	141031768.50
1301005440	Semiconductor	D11,D21,D28,D8	Bellcore Issue 6	Level I		0.025863	4.00	.7622	0.103451	38665616.39
1301005441	Semiconductor	D4,D5	Bellcore Issue 6	Level I		0.025863	2.00	.3811	0.051726	38665616.39
1302001240	Semiconductor	D18,D27	Bellcore Issue 6	Level I		0.028733	2.00	.4234	0.057465	34803690.53
1540782280	Resistor	RP44,RP45,RP47,RP49,RP51,RP5- 3,RP54,RP56,RP64,RP65	Bellcore Issue 6	Level I		0.007091	10.00	.5224	0.070906	141031768.50

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1651203291	Connection	U3	Bellcore Issue 6	Level I		0.021047	1.00	.1551	0.021047	47512684.96
14S6334610	Integrated Circuit	U43,U58	Bellcore Issue 6	Level I		0.037482	2.00	.5523	0.074964	26679365.39
14S4048501	Integrated Circuit	U35,U36	Bellcore Issue 6	Level I		0.072723	2.00	1.0716	0.145445	13750898.59
1540733082	Resistor	RP59-RP62,RP74-RP80	Bellcore Issue 6	Level I		0.007091	11.00	.5747	0.077997	141031768.50
1301005442	Semiconductor	D15,D9	Bellcore Issue 6	Level I		0.025863	2.00	.3811	0.051726	38665616.39
14S4021310	Integrated Circuit	U45,U47,U48	Bellcore Issue 6	Level I		0.072723	3.00	1.6075	0.218168	13750898.59
14S9811500	Integrated Circuit	U81	Bellcore Issue 6	Level I		0.038325	1.00	.2824	0.038325	26092835.01
1129610260	Capacitor	C359,C527	Bellcore Issue 6	Level I		0.004789	2.00	.0706	0.009578	208822143.19
14S5A01400	Integrated Circuit	U37,U57	Bellcore Issue 6	Level I		0.072723	2.00	1.0716	0.145445	13750898.59
105A512033	Resistor	R225	Bellcore Issue 6	Level I		0.002394	1.00	.0176	0.002394	417644286.39
105A733033	Resistor	R262	Bellcore Issue 6	Level I		0.002394	1.00	.0176	0.002394	417644286.39
105A503423	Resistor	R281	Bellcore Issue 6	Level I		0.002394	1.00	.0176	0.002394	417644286.39
1122501780	Capacitor	C82	Bellcore Issue 6	Level I		0.004789	1.00	.0353	0.004789	208822143.19
1122539980	Capacitor	C101,C123	Bellcore Issue 6	Level I		0.004789	2.00	.0706	0.009578	208822143.19
105A510053	Resistor	R261,R310	Bellcore Issue 6	Level I		0.014366	2.00	.2117	0.028733	69607381.06
105A547003	Resistor	R211	Bellcore Issue 6	Level I		0.002394	1.00	.0176	0.002394	417644286.39
1540710382	Resistor	RP90	Bellcore Issue 6	Level I		0.007091	1.00	.0522	0.007091	141031768.50
14S3000201	Inductor	TF1,TF2	Bellcore Issue 6	Level I		0.143663	2.00	2.1170	0.287326	6960738.11
105A700103	Resistor	R439,R472,R473	Bellcore Issue 6	Level I		0.002394	3.00	.0529	0.007183	417644286.39
105A568123	Resistor	R224	Bellcore Issue 6	Level I		0.002394	1.00	.0176	0.002394	417644286.39
105A516513	Resistor	R142	Bellcore Issue 6	Level I		0.002394	1.00	.0176	0.002394	417644286.39
105A506823	Resistor	R317,R328	Bellcore Issue 6	Level I		0.002394	2.00	.0353	0.004789	417644286.39
1540722085	Resistor	RP100,RP16-RP30,RP81-RP86,RP-92,RP95,RP96,RP98,RP103,RP32-RP34,RP36-RP43,RP66-RP68	Bellcore Issue 6	Level I		0.007091	42.00	2.1942	0.297805	141031768.50
105A700139	Resistor	R438,R477-R479,R488	Bellcore Issue 6	Level I		0.002394	5.00	.0882	0.011972	417644286.39
105A704729	Resistor	R284,R494-R496	Bellcore Issue 6	Level I		0.002394	4.00	.0706	0.009578	417644286.39
105A700009	Resistor	R293,R403,R405-R419,R421-R428-,R469,R470,R474,R490,R499,R530-,R123,R125,R301,R302,R445,R465-,R466,R528,R536,R590,R592,R594-,R598,R599,R601,R606	Bellcore Issue 6	Level I		0.002394	47.00	.8292	0.112536	417644286.39

AAEON Reliability Prediction Report

Part Number 9697589526-DIP
Reference Des
Date 09. 16, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 27.80



Description Top-level assembly
File Name PCM-5895B.RPJ
Time 10:16 上午
Failure Rate 13.572214
MTBF 73,680

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A700009	Resistor	R537,R557-R584,R630-R632,R905-R937	Bellcore Issue 6	Level I		0.002394	34.00	.5998	0.081409	417644286.39
105A701039	Resistor	R290,R404,R482-R485,R489,R506-R607,R619-R625,R952	Bellcore Issue 6	Level I		0.002394	17.00	.2999	0.040704	417644286.39
105A701053	Resistor	R383	Bellcore Issue 6	Level I		0.002394	1.00	.0176	0.002394	417644286.39
1129701690	Capacitor	C1,C10,C103,C11,C115,C116,C119-C12,C122,C125,C129,C13,C104,C109,C111-C113,C118,C128,C130,-C131,C135,C144,C154,C165	Bellcore Issue 6	Level I		0.004789	25.00	.8821	0.119719	208822143.19
1129701690	Capacitor	C138,C141-C143,C15,C151,C155,-C156,C162,C164,C174,C179,C18,-C180,C204,C206,C219,C231,C240-C252,C253,C433,C438,C466	Bellcore Issue 6	Level I		0.004789	24.00	.8468	0.114930	208822143.19
1129701690	Capacitor	C186,C19,C191,C197,C198,C200,-C20,C202,C21,C213,C22,C222,C226-C227,C23,C636,C650,C651,C75-C81,C84-C87,C89,C91,C96-C99	Bellcore Issue 6	Level I		0.004789	30.00	1.0585	0.143663	208822143.19
1129701690	Capacitor	C24,C248-C250,C25,C254,C256,C257,C26,C260-C262,C266,C268,C269	Bellcore Issue 6	Level I		0.004789	15.00	.5293	0.071831	208822143.19
1129701690	Capacitor	C27,C272,C274,C275,C277,C28,C282,C285-C292,C29,C294-C296,C30,C302,C303,C307	Bellcore Issue 6	Level I		0.004789	23.00	.8115	0.110142	208822143.19
1129701690	Capacitor	C31,C315-C317,C319,C32,C320,C324,C329,C33,C331,C338,C34,C343-C345	Bellcore Issue 6	Level I		0.004789	16.00	.5645	0.076620	208822143.19
1129701690	Capacitor	C35,C369,C37,C370-C372,C38,C39-C395,C40	Bellcore Issue 6	Level I		0.004789	9.00	.3176	0.043099	208822143.19
1129701690	Capacitor	C405-C407,C409,C41,C42,C425,C427,C428,C43,C430,C432,C44-C46-C469,C47	Bellcore Issue 6	Level I		0.004789	17.00	.5998	0.081409	208822143.19
1129701690	Capacitor	C470-C474,C477,C48,C481,C49,C490,C491,C493-C499,C5,C50,C500-C501,C503	Bellcore Issue 6	Level I		0.004789	24.00	.8468	0.114930	208822143.19
1129701690	Capacitor	C506,C507,C51,C510-C513,C52,C522,C523,C525,C526,C528-C539	Bellcore Issue 6	Level I		0.004789	25.00	.8821	0.119719	208822143.19
1129701690	Capacitor	C53,C54,C540,C542,C545,C547,C548,C55,C550,C56-C74,C76-C79,C8,C9	Bellcore Issue 6	Level I		0.004789	33.00	1.1644	0.158029	208822143.19
1129701690	Capacitor	C92-C95	Bellcore Issue 6	Level I		0.004789	4.00	.1411	0.019155	208822143.19
1129701790	Capacitor	C450-460,C475,C551,C552,C559	Bellcore Issue 6	Level I		0.004789	15.00	.5293	0.071831	208822143.19

AAEON Reliability Prediction Report

Part Number 9697589526-DIP
Reference Des
Date 09. 16, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 27.80



Description Top-level assembly
File Name PCM-5895B.RPJ
Time 10:16 上午
Failure Rate 13.572214
MTBF 73,680

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1124433680	Capacitor	C152,C153	Bellcore Issue 6	Level I		0.004789	2.00	.0706	0.009578	208822143.19
1301053040	Semiconductor	D10,D12,D29	Bellcore Issue 6	Level I		0.025863	3.00	.5717	0.077588	38665616.39
105A702263	Resistor	R139,R140	Bellcore Issue 6	Level I		0.002394	2.00	.0353	0.004789	417644286.39
1315970110	Semiconductor	U49	Bellcore Issue 6	Level I		0.086209	1.00	.6352	0.086209	11599684.92
1315970211	Semiconductor	U22,U30	Bellcore Issue 6	Level I		0.086209	2.00	1.2704	0.172418	11599684.92
1174522180	Capacitor	CP1-CP5	Bellcore Issue 6	Level I		0.005566	5.00	.2050	0.027828	179676529.02
121230805D	Inductor	FB62	Bellcore Issue 6	Level I		0.002394	1.00	.0176	0.002394	417644286.39
14S5A12503	Integrated Circuit	U38	Bellcore Issue 6	Level I		0.046256	1.00	.3408	0.046256	21618947.91
106B501031	Resistor	RT1,RT2	Bellcore Issue 6	Level I		0.013154	2.00	.1938	0.026309	76020295.93
14S2303700	Integrated Circuit	U14	Bellcore Issue 6	Level I		0.072723	1.00	.5358	0.072723	13750898.59
14S220900	Integrated Circuit	U75	Bellcore Issue 6	Level I		0.072723	1.00	.5358	0.072723	13750898.59
15407822A0	Resistor	RP50,RP52,RP55	Bellcore Issue 6	Level I		0.008863	3.00	.1959	0.026590	112825414.80
14S4810001	Integrated Circuit	U41	Bellcore Issue 6	Level I		0.046256	1.00	.3408	0.046256	21618947.91
14S4810001	Integrated Circuit	U44	Bellcore Issue 6	Level I	8.00	0.072515	1.00	.5343	0.072515	13790167.67
14S5801402	Integrated Circuit	U28	Bellcore Issue 6	Level I		0.046256	1.00	.3408	0.046256	21618947.91
1189633181	Capacitor	C183,C486,C7,C621	Bellcore Issue 6	Level I		0.004789	4.00	.1411	0.019155	208822143.19
1189647180	Capacitor	C619	Bellcore Issue 6	Level I		0.004789	1.00	.0353	0.004789	208822143.19
1304001340	Semiconductor	D2	Bellcore Issue 6	Level I		0.006285	1.00	.0463	0.006285	159119677.80
105A505109	Resistor	R10,R14-R46,R48,R50,R51,R6-R8-R120,R52,R76,R78,R79	Bellcore Issue 6	Level I		0.002394	45.00	.7939	0.107747	417644286.39
105A507509	Resistor	R389,R390,R391	Bellcore Issue 6	Level I		0.002394	3.00	.0529	0.007183	417644286.39
14S5A00821	Integrated Circuit	U63	Bellcore Issue 6	Level I		0.046256	1.00	.3408	0.046256	21618947.91
14S3524700	Integrated Circuit	U10	Bellcore Issue 6	Level I		0.072723	1.00	.5358	0.072723	13750898.59
1305000140	Semiconductor	D16,D17,D20,D22-D26	Bellcore Issue 6	Level I		0.086209	8.00	5.0815	0.689674	11599684.92
1315992601	Semiconductor	U13	Bellcore Issue 6	Level I		0.172418	1.00	1.2704	0.172418	5799842.46
1121701080	Capacitor	C149,C297,C299,C300,C304,C309-C312,C318,C327,C332,C333,C339-C341	Bellcore Issue 6	Level I		0.004789	13.00	.4587	0.062254	208822143.19
1121701080	Capacitor	C342,C346-C348,C352,C356-C358-C365-C368,C377-C379,C385,C386-C389,C391	Bellcore Issue 6	Level I		0.004789	19.00	.6704	0.090987	208822143.19
1121701080	Capacitor	C423,C230,C521	Bellcore Issue 6	Level I		0.004789	3.00	.1059	0.014366	208822143.19
14S3156500	Integrated Circuit	U29	Bellcore Issue 6	Level I	11.80	0.164336	1.00	1.2108	0.164336	6085108.42

AAEON Reliability Prediction Report

Part Number 9697589526-DIP
Reference Des
Date 09. 16, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 27.80



Description Top-level assembly
File Name PCM-5895B.RPJ
Time 10:16 上午
Failure Rate 13.572214
MTBF 73,680

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1124568280	Capacitor	C148	Bellcore Issue 6	Level I		0.004789	1.00	.0353	0.004789	208822143.19
1129722060	Capacitor	C245,C259,C413,C465	Bellcore Issue 6	Level I		0.004789	4.00	.1411	0.019155	208822143.19
1124522190	Capacitor	C515,C516,C105,C137,C517	Bellcore Issue 6	Level I		0.004789	5.00	.1764	0.023944	208822143.19
1189615187	Capacitor	C476	Bellcore Issue 6	Level I		0.004789	1.00	.0353	0.004789	208822143.19
1189615187	Capacitor	1C92,C243,C478	Bellcore Issue 6	Level I		0.004789	3.00	.1059	0.014366	208822143.19
1129610051	Capacitor	C14,C159,C167,C172,C187,C190,- C195,C2,C223,C224,C278,C284,C- 100,C106,C110,C139,C553	Bellcore Issue 6	Level I		0.004789	17.00	.5998	0.081409	208822143.19
1129610051	Capacitor	C311,C314,C328,C36,C394,C4,C4- 08,C418,C431,C435,C436,C463	Bellcore Issue 6	Level I		0.004789	12.00	.4234	0.057465	208822143.19
1129610051	Capacitor	C464,C468,C479,C480,C483,C485- ,C492,C502,C508,C509,C514,C524- C546	Bellcore Issue 6	Level I		0.004789	13.00	.4587	0.062254	208822143.19
1129610051	Capacitor	C549,C6,C83	Bellcore Issue 6	Level I		0.004789	3.00	.1059	0.014366	208822143.19
1121922090	Capacitor	C557	Bellcore Issue 6	Level I		0.004789	1.00	.0353	0.004789	208822143.19
14S5A12505	Integrated Circuit	U34	Bellcore Issue 6	Level I		0.072723	1.00	.5358	0.072723	13750898.59
14S2533100	Integrated Circuit	U1	Bellcore Issue 6	Level I	16.80	0.227941	1.00	1.6795	0.227941	4387101.01
1050502204	Resistor	R169,R392,R393,R420,R429,R47,- R49,R491-R493,R53-R66,R100,R1- 01,R104,R105,R107,R116,R608-R- 613,R67-R69,R75,R81,R82,R96-R99	Bellcore Issue 6	Level I		0.002394	46.00	.8115	0.110142	417644286.39
1050512124	Resistor	R605	Bellcore Issue 6	Level I		0.002394	1.00	.0176	0.002394	417644286.39
1050525524	Resistor	R591	Bellcore Issue 6	Level I		0.002394	1.00	.0176	0.002394	417644286.39
1050584514	Resistor	R597	Bellcore Issue 6	Level I		0.002394	1.00	.0176	0.002394	417644286.39
14S4081110	Integrated Circuit	U31	Bellcore Issue 6	Level I		0.072723	1.00	.5358	0.072723	13750898.59
11E9610190	Capacitor	C3,C461,C504	Bellcore Issue 6	Level I		0.004789	3.00	.1059	0.014366	208822143.19
1315993311	Semiconductor	U60	Bellcore Issue 6	Level I		0.172418	1.00	1.2704	0.172418	5799842.46
11E9501090	Capacitor	C194,C424,C429,C439-C449	Bellcore Issue 6	Level I		0.004789	14.00	.4940	0.067043	208822143.19
1315446310	Semiconductor	U24,U25	Bellcore Issue 6	Level I		0.086209	2.00	1.2704	0.172418	11599684.92
14S6200800	Integrated Circuit		Bellcore Issue 6	Level I		0.243744	1.00	1.7959	0.243744	4102663.42
105A502839	Resistor	R589,R602	Bellcore Issue 6	Level I		0.002394	2.00	.0353	0.004789	417644286.39
14S4820900	Integrated Circuit	U16,U72	Bellcore Issue 6	Level I		0.046256	2.00	.6816	0.092511	21618947.91
14S6149103	Integrated Circuit	U19	Bellcore Issue 6	Level I	11.60	0.162164	1.00	1.1948	0.162164	6166609.75
14S2362400	Integrated Circuit	U79,U80	Bellcore Issue 6	Level I		0.046256	2.00	.6816	0.092511	21618947.91

