

PCM-8150-A02
(600MHz)
Reliability Prediction Report
(MTBF)

Report NO : 05E070002

01-10-2005

Issue Date

Wenyuan Yang

Manager

Jessica Chou

Test Engineer

Reliability Prediction (MTBF)

I . Model Name: PCM-8150-A02 (ASS'Y.PCM-8150.Rev.A0.2.for ICP-M 600MHz.non-Cache)

II . Prediction Date: Jan.10, 2005

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: 21.9 degrees 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.

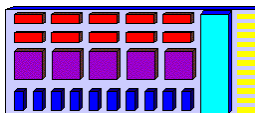
VIII. Prediction Result:

- Failure Rate: 20.707382 ppm
- MTBF: 48,292 Hours

IX. Prediction Table

Standard Reliability Prediction Report

Part Number 9697815002
Reference Des
Date 一月 10, 2005
Environment GF, GU - Ground Fixed,
Temperature 21.90

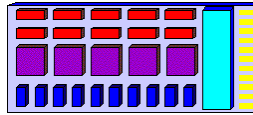


Description Top-level assembly
File Name 9697815002-600MHZ.R-
Time 3:28 下午
Failure Rate 20.707382
MTBF 48,292

Assembly Name	Part Number	Ref Des	Qty	Failure Rate	MTBF
PCM-8150-A02 600MHz	9697815002		1.00	20.707382	48,292

Standard Reliability Prediction Report

Part Number 9697815002
Reference Des
Date 一月 10, 2005
Environment GF, GU - Ground Fixed,
Temperature 21.90

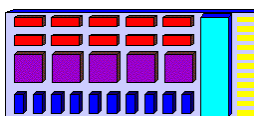


Description Top-level assembly
File Name 9697815002-600MHZ.RPJ
Time 3:28 下午
Failure Rate 20.707382
MTBF 48,292

Part Number	Category	Ref Des	Failure Rate, Unit	Quantity	Failure Rate
1651592490	Connection	DIMM1	0.088883	1.00	0.088883
165322020D	Connection	IDE1	0.019322	1.00	0.019322
1653002104	Connection	JP1	0.024153	1.00	0.024153
1653003106	Connection	JP6	0.036229	1.00	0.036229
1652508204	Connection	LAN1	0.003864	1.00	0.003864
1211100305	Inductor	L16,L17,L22,L26	0.081042	4.00	0.324169
1654260201	Connection	PCI1	0.057967	1.00	0.057967
16540F0201	Connection	PCMCIA1	1.811470	1.00	1.811470
1750220323	Connection	BT1	0.000966	1.00	0.000966
1750119011	Miscellaneous	BT1	0.900000	1.00	0.900000
1655302021	Connection	BT2	0.000966	1.00	0.000966
1759100008	Miscellaneous	BUZZ1	0.150000	1.00	0.150000
1653900034	Connection	CFD1	0.024153	1.00	0.024153
1653204205	Connection	CN1	0.003864	1.00	0.003864
1655417020	Connection	CN5	0.009661	1.00	0.009661
1653003207	Connection	CN9,JP3-JP5	0.072459	4.00	0.289835
1653005104	Connection	CN17	0.002415	1.00	0.002415
165300420G	Connection	CN18	0.003864	1.00	0.003864
1653005207	Connection	CN19	0.004831	1.00	0.004831
1189639190	Capacitor	C104,C110,C148- ,C175,C190,C39,- C62	0.004639	7.00	0.032474
1119622195	Capacitor	C74,C77	0.038377	2.00	0.076755
1111622102	Capacitor	C173,C182,C75	0.023129	3.00	0.069386
1119610291	Capacitor	C87	0.063962	1.00	0.063962
1111647191	Capacitor	C191,C192	0.038548	2.00	0.077095
165320820C	Connection	VGA1	0.007729	1.00	0.007729
14S6200400	Integrated Circuit	U7	0.120510	1.00	0.120510
1655003010	Connection	CN11,CN16	0.036229	2.00	0.072459
121110010N	Inductor	L24	0.134961	1.00	0.134961
121110010N	Inductor	L25	0.132942	1.00	0.132942
1211101760	Inductor	L27	0.081042	1.00	0.081042
1189922180	Capacitor	C379,C454,C567	0.238778	3.00	0.716333
1189922180	Capacitor	C568	0.318288	1.00	0.318288
1189922180	Capacitor	C639	0.315415	1.00	0.315415
1189922180	Capacitor	C640	0.314842	1.00	0.314842
1189615187	Capacitor	C111	0.004639	1.00	0.004639
1189615187	Capacitor	C415	0.006084	1.00	0.006084
105A547003	Resistor	R692	0.002133	1.00	0.002133
105A590963	Resistor	R693	0.002133	1.00	0.002133
1653213208	Connection	LPT1	0.313988	1.00	0.313988
1654262300	Connection	MPCI1	0.059899	1.00	0.059899
16540F0200	Connection	PCMCIA1	0.072459	1.00	0.072459
1315700211	Semiconductor	Q13,Q16,Q17,Q2- ,Q20,Q21,Q24,Q4- 2,Q44-Q47,Q5,Q- 50-Q53,Q55-Q58- ,Q6,Q64	0.072750	23.00	1.673244
1315700211	Semiconductor	Q65,Q7	0.072750	2.00	0.145499
14S2533100	Integrated Circuit	Q4	0.047208	1.00	0.047208
1315422010	Semiconductor	Q9	0.072750	1.00	0.072750
1315992601	Semiconductor	Q10	0.145499	1.00	0.145499

Standard Reliability Prediction Report

Part Number 9697815002
Reference Des
Date 一月 10, 2005
Environment GF, GU - Ground Fixed,
Temperature 21.90

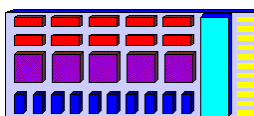


Description Top-level assembly
File Name 9697815002-600MHZ.RPJ
Time 3:28 下午
Failure Rate 20.707382
MTBF 48,292

Part Number	Category	Ref Des	Failure Rate, Unit	Quantity	Failure Rate
1315030110	Semiconductor	Q18,Q19,Q22,Q2-8-Q30,Q33	0.072750	7.00	0.509248
1653925216	Connection	CFD1	0.024153	1.00	0.024153
1654030000	Connection	CN4,CN6	0.362294	2.00	0.724588
165322020B	Connection	CN10	0.483059	1.00	0.483059
1653205205	Connection	CN12-CN15,USB1-USB2	0.120765	6.00	0.724588
1124515180	Capacitor	C1,C5	0.001039	2.00	0.002077
1124527180	Capacitor	C2,C3,C6	0.001039	3.00	0.003116
1124533190	Capacitor	C154,C164,C167-C168,C174,C4,C-440,C574	0.001039	8.00	0.008310
1129747090	Capacitor	C10-C14,C203,C-222,C27-C29,C71-1-C714,C8,C9	0.001039	16.00	0.016620
1119622181	Capacitor	C106,C37,C38,C-49,C50,C94	0.038377	6.00	0.230265
1129747650	Capacitor	C359,C402,C403-C419,C460,C501-C585,C646,C78,-C79,C82,C83	0.002667	12.00	0.032006
1129701790	Capacitor	C109,C116,C119-C127,C137,C142-C237,C291,C354-C355,C368,C384-C412	0.001565	13.00	0.020348
1129701790	Capacitor	C497,C513,C514-C526,C533,C541-C560,C652,C690-C93,C98	0.001565	11.00	0.017217
1124410190	Capacitor	C165,C169,C216-C229,C230,C681	0.001039	6.00	0.006232
1121610060	Capacitor	C184,C189,C726	0.002488	3.00	0.007463
1124547190	Capacitor	C197-C202,C242-C252,C260,C280-C282,C297,C326	0.001039	14.00	0.014542
1124427090	Capacitor	C221,C231,C238-C239,C244,C247-C351,C388	0.001039	8.00	0.008310
1124522280	Capacitor	C262,C266	0.001039	2.00	0.002077
1122747880	Capacitor	C613	0.001565	1.00	0.001565
14S4285201	Integrated Circuit	U4	0.084867	1.00	0.084867
14S4060000	Integrated Circuit	U19	0.072913	1.00	0.072913
1315030210	Integrated Circuit	Q1,Q27	0.047208	2.00	0.094415
1315441012	Semiconductor	Q15,Q23,Q25,Q36-Q66,Q8	0.072750	6.00	0.436498
1315441012	Semiconductor	Q63	0.105689	1.00	0.105689
1315441012	Semiconductor	Q26	0.112971	1.00	0.112971
1311390610	Semiconductor	Q14,Q54	0.021825	2.00	0.043650
1310390410	Semiconductor	Q31,Q32,Q38,Q39	0.021825	4.00	0.087300
1124547280	Capacitor	C668	0.001039	1.00	0.001039
1301005442	Semiconductor	D6,D7	0.021825	2.00	0.043650
165321720A	Connection	FDD1	0.016424	1.00	0.016424
1653003202	Connection	JP2	0.072459	1.00	0.072459

Standard Reliability Prediction Report

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Temperature 21.90

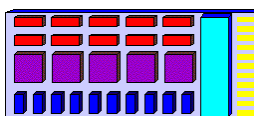


Description Top-level assembly
File Name 9697815002-600MHZ.RPJ
Time 3:28 下午
Failure Rate 20.707382
MTBF 48,292

Part Number	Category	Ref Des	Failure Rate, Unit	Quantity	Failure Rate
105A520003	Resistor	R644	0.002133	1.00	0.002133
105A506823	Resistor	R737,R741	0.002133	2.00	0.004265
105A523233	Resistor	R739	0.002133	1.00	0.002133
105A556223	Resistor	R769,R770	0.002133	2.00	0.004265
14S3112100	Integrated Circuit	TF1	0.047208	1.00	0.047208
14S4142001	Integrated Circuit	U2	0.054593	1.00	0.054593
14S3033800	Integrated Circuit	U6	0.047208	1.00	0.047208
14S6334610	Integrated Circuit	U8	0.024331	1.00	0.024331
14S5A00700	Integrated Circuit	U11	0.031516	1.00	0.031516
1231314350	Miscellaneous	Y3	0.150000	1.00	0.150000
105A500233	Resistor	R473,R549,R683	0.002133	3.00	0.006398
105A560403	Resistor	R479,R496	0.002133	2.00	0.004265
105A548703	Resistor	R556	0.002133	1.00	0.002133
14S5A00600	Integrated Circuit	U12	0.055070	1.00	0.055070
14S4048501	Integrated Circuit	U14,U15	0.047208	2.00	0.094415
14S4280106	Integrated Circuit	U18	0.068640	1.00	0.068640
14S2705700	Integrated Circuit	U21	0.151688	1.00	0.151688
14S2705700	Integrated Circuit	U22	0.047208	1.00	0.047208
14S4700900	Integrated Circuit	U25	0.057437	1.00	0.057437
14S4021310	Integrated Circuit	U29,U30,U34,U35	0.047208	4.00	0.188830
14S4147600	Integrated Circuit	U37	0.149668	1.00	0.149668
1314108412	Integrated Circuit	Q41	0.129877	1.00	0.129877
1315700310	Semiconductor	Q61	0.114472	1.00	0.114472
1315700310	Semiconductor	Q62	0.114472	1.00	0.114472
1540756081	Resistor	RN10,RN12,RN14- ,RN16,RN18,RN2- ,RN20,RN21,RN2- 3,RN25,RN31,RN- 33,RN38	0.005412	13.00	0.070362
1540756081	Resistor	RN4,RN41,RN43,- RN6,RN8	0.004510	5.00	0.022552
1540782282	Resistor	RN26,RN27,RN29- ,RN30,RN35,RN3- 6,RN37,RN44,RN- 45,RP1-RP8	0.005412	17.00	0.092012
106B501031	Resistor	RT1,RT2	0.009661	2.00	0.019322
105A701009	Resistor	R101,R108,R110- ,R113,R116,R128- ,R131,R133,R142- ,R143,R153,R165- ,R172	0.002133	13.00	0.027725
105A701009	Resistor	R173,R176,R186- ,R207,R211,R228- ,R23,R232,R236,- R248,R250,R251- ,R273,R274	0.002133	14.00	0.029858
105A701009	Resistor	R280,R282,R287- ,R326,R34,R4,R7- ,R725,R763,R92,- R96	0.002133	11.00	0.023460

Standard Reliability Prediction Report

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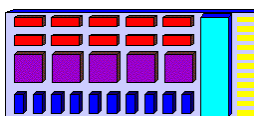


Description Top-level assembly
File Name 9697815002-600MHZ.RPJ
Time 3:28 下午
Failure Rate 20.707382
MTBF 48,292

Part Number	Category	Ref Des	Failure Rate, Unit	Quantity	Failure Rate
105A704729	Resistor	R14,R15,R168,R-170,R179,R182,R-184,R253,R271,R-275,R289,R296,R-302,R303	0.002133	14.00	0.029858
105A704729	Resistor	R305-R316,R337-,R338,R347,R348-,R354,R359,R361-,R362,R378,R379-,R380	0.002133	23.00	0.049052
105A704729	Resistor	R381,R551,R559-,R582,R590,R603-,R625,R668,R704-,R713,R717,R723-,R730	0.002133	13.00	0.027725
105A704729	Resistor	R731-R733,R742-,R79,R8,R9	0.002133	7.00	0.014929
105A733009	Resistor	R115,R120,R125-,R18,R20,R21,R2-12,R224,R237,R2-46,R252,R269,R2-95,R297	0.002133	14.00	0.029858
105A733009	Resistor	R467,R471,R612-,R628,R633,R640-,R648,R678,R691-,R707,R773,R777	0.002133	12.00	0.025592
105A705609	Resistor	R100,R102,R105-,R111,R114,R117-,R119,R129,R132-,R137,R139,R145-,R154	0.002133	13.00	0.027725
105A705609	Resistor	R159,R161,R164-,R167,R177,R178-,R185,R187,R190-,R202,R206,R215-,R220	0.002133	13.00	0.027725
105A705609	Resistor	R225,R238,R241-,R244,R247,R249-,R270,R272,R286-,R288,R45,R47,R-580,R583	0.002133	14.00	0.029858
105A705609	Resistor	R586,R599,R601-,R605,R95,R97	0.002133	6.00	0.012796
105A560463	Resistor	R324,R325,R413-,R414,R48,R49	0.002133	6.00	0.012796
105A524303	Resistor	R50	0.002133	1.00	0.002133
105A549963	Resistor	R415,R416,R486-,R488,R53,R534-,R597,R607,R611-,R616,R619,R623	0.002133	12.00	0.025592
105A500133	Resistor	R55,R56,R682,R-93,R94	0.002133	5.00	0.010663
105A540263	Resistor	R57,R596	0.002133	2.00	0.004265

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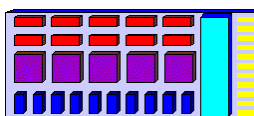


Description Top-level assembly
File Name 9697815002-600MHZ.RPJ
Time 3:28 下午
Failure Rate 20.707382
MTBF 48,292

Part Number	Category	Ref Des	Failure Rate, Unit	Quantity	Failure Rate
105A702229	Resistor	R330,R333,R336- ,R345,R389,R390- ,R404-R406,R425- ,R426,R427,R442- ,R463	0.002133	14.00	0.029858
105A702229	Resistor	R469,R654,R663- ,R664,R783,R83,- R88	0.002133	7.00	0.014929
1059700101	Resistor	R106,R122,R124- ,R290,R369,R420- ,R435,R440,R445- ,R447,R448,R454- ,R459	0.002133	13.00	0.027725
1059700101	Resistor	R460,R511,R560- ,R565,R745-R750- ,R761,R762,R765- ,R98	0.002133	14.00	0.029858
105S554903	Resistor	R107	0.002133	1.00	0.002133
105A561903	Resistor	R109,R751	0.002133	2.00	0.004265
105A547523	Resistor	R121	0.002133	1.00	0.002133
105A504703	Resistor	R126,R127	0.002133	2.00	0.004265
105A501033	Resistor	R134,R358,R364- ,R397,R466,R468- ,R481,R635,R734- -R736,R752,R759- ,R767	0.002133	14.00	0.029858
105A501033	Resistor	R768,R771	0.002133	2.00	0.004265
105A571533	Resistor	R150	0.002133	1.00	0.002133
105A700003	Resistor	L41,R157,R715	0.002133	3.00	0.006398
105A705133	Resistor	R158,R284,R506- ,R550,R711,R786	0.002133	6.00	0.012796
105A503300	Resistor	R188,R189,R191- -R194,R196-R201- ,R203,R205,R208- ,R209,R213,R214- ,R218	0.002133	19.00	0.040521
105A503300	Resistor	R230,R233,R234- ,R239,R245	0.002133	5.00	0.010663
105A518223	Resistor	R277,R461	0.002133	2.00	0.004265
105A528723	Resistor	R278	0.002133	1.00	0.002133
105A547503	Resistor	R283,R615	0.002133	2.00	0.004265
105A514003	Resistor	R317,R322	0.002133	2.00	0.004265
105A502033	Resistor	R349,R352,R482- ,R512	0.002133	4.00	0.008531
105A513003	Resistor	R437,R554	0.002133	2.00	0.004265
1301005440	Semiconductor	D1,D2,D26-D28,D- 31,D32,D8,D9	0.021825	9.00	0.196424
1301053040	Semiconductor	D14-D17,D29,D3,- D30,D4	0.021825	8.00	0.174599
1301005441	Semiconductor	D10-D13	0.021825	4.00	0.087300
1315970110	Semiconductor	F1-F4	0.145499	4.00	0.581998
1129610260	Capacitor	HC1	0.000698	1.00	0.000698
105A522663	Resistor	R558	0.002133	1.00	0.002133

Standard Reliability Prediction Report

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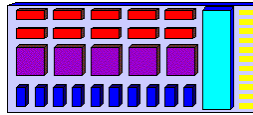


Description Top-level assembly
File Name 9697815002-600MHZ.RPJ
Time 3:28 下午
Failure Rate 20.707382
MTBF 48,292

Part Number	Category	Ref Des	Failure Rate, Unit	Quantity	Failure Rate
105A578703	Resistor	R608,R754,R756- ,R757	0.002133	4.00	0.008531
105A551123	Resistor	R641,R658,R687- ,R689	0.002133	4.00	0.008531
105A512103	Resistor	R643	0.002133	1.00	0.002133
105A710053	Resistor	R649,R650	0.012796	2.00	0.025592
105A519623	Resistor	R702	0.002133	1.00	0.002133
105A503033	Resistor	R738,R755	0.002133	2.00	0.004265
105A512033	Resistor	R740	0.002133	1.00	0.002133
105A551113	Resistor	R764	0.002133	1.00	0.002133
1054600289	Resistor	SR2,SR3	0.002133	2.00	0.004265
14S3065500	Integrated Circuit	U1	0.065310	1.00	0.065310
14S4255101	Integrated Circuit	U3	0.080413	1.00	0.080413
14S4148500	Integrated Circuit	U5	0.061433	1.00	0.061433
1651203291	Connection	U7	0.015458	1.00	0.015458
14S5A12505	Integrated Circuit	U9	0.032687	1.00	0.032687
14S5A00401	Integrated Circuit	U10	0.032687	1.00	0.032687
1231325050	Miscellaneous	Y2	0.150000	1.00	0.150000
1231332721	Miscellaneous	Y4	0.150000	1.00	0.150000
105A501523	Resistor	R449	0.002133	1.00	0.002133
105A507523	Resistor	R477,R720	0.002133	2.00	0.004265
105A530103	Resistor	R485,R532	0.002133	2.00	0.004265
105A548763	Resistor	R552	0.002133	1.00	0.002133
105A554963	Resistor	R557,R595,R631- ,R672	0.002133	4.00	0.008531
14S4070610	Integrated Circuit	U13	0.047208	1.00	0.047208
14S3020101	Integrated Circuit	U16	0.171010	1.00	0.171010
14S4871201	Integrated Circuit	U17	0.062819	1.00	0.062819
14S4871201	Integrated Circuit	U38	0.056475	1.00	0.056475
14S5A00830	Integrated Circuit	U28,U31	0.032687	2.00	0.065373
14S3020100	Integrated Circuit	U23	0.047208	1.00	0.047208
14S1488000	Integrated Circuit	U27	0.047208	1.00	0.047208
14S5812502	Integrated Circuit	U32	0.032687	1.00	0.032687
14S3128420	Integrated Circuit	U36	0.047208	1.00	0.047208
1315035200	Semiconductor	Q40,Q43,Q48	0.000000	3.00	0.000000
1315600311	Semiconductor	Q59	0.217695	1.00	0.217695
1315600311	Semiconductor	Q60	0.230153	1.00	0.230153
1540710084	Resistor	RN1,RN11,RN13,- RN15,RN17,RN19- ,RN22,RN24,RN2- 8,RN3,RN32,RN3- 4,RN39	0.005412	13.00	0.070362
1540710084	Resistor	RN40,RN42,RN5,- RN7,RN9	0.005412	5.00	0.027062
1653207205	Connection	CN2,CN8	0.006763	2.00	0.013526
1653210204	Connection	CN7	0.241529	1.00	0.241529
1174510180	Capacitor	CP1,CP10-CP12,- CP2-CP9	0.001039	12.00	0.012465
1129701690	Capacitor	C101,C102,C107- ,C108,C112-C115- ,C117,C118,C121- ,C123-C126,C128- ,C129	0.002488	17.00	0.042289

Standard Reliability Prediction Report

Part Number 9697815002
Reference Des
Date 一月 10, 2005
Environment GF, GU - Ground Fixed,
Temperature 21.90

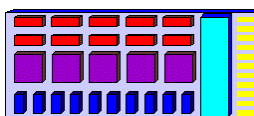


Description Top-level assembly
File Name 9697815002-600MHZ.RPJ
Time 3:28 下午
Failure Rate 20.707382
MTBF 48,292

Part Number	Category	Ref Des	Failure Rate, Unit	Quantity	Failure Rate
1129701690	Capacitor	C136,C140,C141- ,C143-C145,C147- ,C149,C158,C159- ,C161,C162,C17,- C172,C178	0.002488	15.00	0.037314
1129701690	Capacitor	C179,C18,C180,- C183,C186,C187- ,C19,C193,C194,- C20,C212-C215,- C217,C218	0.002488	16.00	0.039802
1129701690	Capacitor	C22,C226,C228,- C23,C232-C234,- C240,C245,C246- ,C249,C25,C250,- C255,C258	0.002488	15.00	0.037314
1129701690	Capacitor	C26,C264,C268-- C276,C279,C283- ,C285,C289,C290- ,C293-C296,C30,- C31,C311	0.002488	23.00	0.057215
1129701690	Capacitor	C317-C322,C328- ,C329,C33,C333-- C336,C338,C339- ,C34,C340,C341,- C357,C358	0.002488	20.00	0.049752
1129701690	Capacitor	C36,C360-C367,- C369-C378,C382- ,C385,C386,C387- ,C389-C391,C393- ,C395-C399	0.002488	31.00	0.077115
1129701690	Capacitor	C40,C404,C405,- C408,C41,C410,- C413,C414,C416- ,C417,C420,C422- -C426,C428	0.002488	17.00	0.042289
1129701690	Capacitor	C429-C433,C435- -C439,C44,C442-- C444,C448,C451- -C453,C455-C457- ,C459,C463	0.002488	23.00	0.057215
1129701690	Capacitor	C464-C468,C47,- C470,C472-C486- ,C488,C489,C492- ,C493,C496,C498- ,C500,C502	0.002488	29.00	0.072140
1129701690	Capacitor	C503-C509,C511- ,C512,C517,C520- -C525,C528,C530- ,C531,C536,C537- ,C54,C542	0.002488	23.00	0.057215
1129701690	Capacitor	C543-C545,C548- -C550,C552-C557- ,C56,C564-C566,- C57,C570-C573,- C575,C581	0.002488	23.00	0.057215

Standard Reliability Prediction Report

Part Number 9697815002
Reference Des
Date 一月 10, 2005
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Temperature 21.90

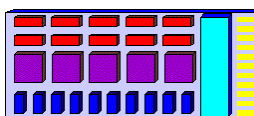


Description Top-level assembly
File Name 9697815002-600MHZ.RPJ
Time 3:28 下午
Failure Rate 20.707382
MTBF 48,292

Part Number	Category	Ref Des	Failure Rate, Unit	Quantity	Failure Rate
1129701690	Capacitor	C582,C587-C589- ,C59,C590-C594,- C596-C598,C60,- C600-C605,C609- ,C61,C612	0.002488	22.00	0.054727
1129701690	Capacitor	C616-C618,C621- ,C622,C625-C632- ,C638,C641,C642- -C645,C647,C65,- C650,C653	0.002488	23.00	0.057215
1129701690	Capacitor	C658-C660,C66,- C662-C667,C669- ,C67,C678,C679,- C68,C688,C689,- C691,C693	0.002488	18.00	0.044777
1129701690	Capacitor	C694,C696,C698- ,C699,C7,C70,C7- 02-C709,C71,C71- 5-C722,C72,C725- ,C76,C80	0.002488	26.00	0.064678
1129701690	Capacitor	C81,C84-C86,C91- ,C99	0.002488	6.00	0.014926
1129710050	Capacitor	C120,C122,C134- ,C135,C15,C177,- C181,C195,C196- ,C210,C211,C227- ,C236,C24	0.002667	14.00	0.037340
1129710050	Capacitor	C243,C253,C263- ,C278,C288,C310- ,C312,C32,C323,- C331,C332,C337- ,C342,C35	0.002667	14.00	0.037340
1129710050	Capacitor	C380,C381,C392- ,C394,C406,C409- ,C411,C418,C42,- C421,C43,C458,- C487,C490	0.002667	14.00	0.037340
1129710050	Capacitor	C499,C51,C519,- C52-C54,C539,C- 540,C559,C561-C- 563,C577-C580,C- 586,C614	0.002667	17.00	0.045342
1129710050	Capacitor	C615,C623,C63,- C634-C637,C64,- C648,C651,654,C- 656,C670,C671-C- 677	0.002667	20.00	0.053343
1129710050	Capacitor	C657	0.002935	1.00	0.002935
1129710050	Capacitor	C683-C687,C69,- C723,C724,C73	0.002667	9.00	0.024005
1129701080	Capacitor	C146,C152,C153- ,C155,C163,C170- ,C313,C325,C345- -C350,C401,C449- ,C450	0.002667	17.00	0.045342

Standard Reliability Prediction Report

Part Number 9697815002
Reference Des
Date 一月 10, 2005
Environment GF, GU - Ground Fixed,
Temperature 21.90

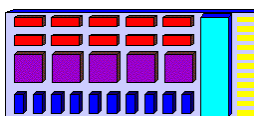


Description Top-level assembly
File Name 9697815002-600MHZ.RPJ
Time 3:28 下午
Failure Rate 20.707382
MTBF 48,292

Part Number	Category	Ref Des	Failure Rate, Unit	Quantity	Failure Rate
1129701080	Capacitor	C471,C491,C495- ,C649,C692,C700- ,C701,C710,C88,- C95	0.002667	10.00	0.026672
1129710090	Capacitor	C103,C176,C219- ,C220,C695	0.001039	5.00	0.005194
1129710390	Capacitor	C150,C151,C166- ,C171,C287,C299- ,C400,C441,C462- ,C494	0.001039	10.00	0.010387
1121722650	Capacitor	C185,C188	0.002488	2.00	0.004975
1121733780	Capacitor	C204-C209,C241- ,C251,C259,C261- ,C267,C324,C343- ,C344	0.002488	14.00	0.034826
1129722091	Capacitor	C130,C139,C314	0.001039	3.00	0.003116
1124405080	Capacitor	C606,C608	0.001039	2.00	0.002077
105A507503	Resistor	R1,R10-R13,R2,R- 3,R342,R343	0.002133	9.00	0.019194
105A703309	Resistor	R169,R175,R257- ,R294,R320,R321- ,R367,R371,R382- ,R383,R391,R398- ,R490,R5	0.002133	14.00	0.029858
105A703309	Resistor	R6,R705,R712,R- 780,R82	0.002133	5.00	0.010663
105A700009	Resistor	C278,R146,R204- ,R210,R217,R226- ,R231,R300,R328- ,R329,R344,R35,- R355,R36	0.002133	14.00	0.029858
105A700009	Resistor	R37,R372,R38,R- 39,R392,R40,R40- 7,R41,R42,R429,- R43,R430,R44,R- 441,R455	0.002133	15.00	0.031990
105A700009	Resistor	R457,R458,R475- ,R495,R499,R504- ,R525-R529,R543- ,R561-R564,R568- ,R569	0.002133	18.00	0.038388
105A700009	Resistor	R571,R572,R578- ,R58,R588,R642,- R666,R673,R675- ,R679,R680,R688- ,R69,R694	0.002133	14.00	0.029858
105A700008	Resistor	R70,R700,R71,R- 72,R726,R729,R7- 3-R77,R774,R78,- R81,R84,R87	0.002133	16.00	0.034123
105A700139	Resistor	R103,R160,R171- ,R219,R264,R298- ,R299,R332,R356- ,R360,R401,R403- ,R423	0.002133	13.00	0.027725

Standard Reliability Prediction Report

Part Number 9697815002
Reference Des
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Temperature 21.90

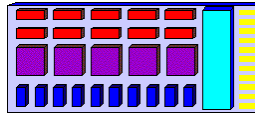


Description Top-level assembly
File Name 9697815002-600MHZ.RPJ
Time 3:28 下午
Failure Rate 20.707382
MTBF 48,292

Part Number	Category	Ref Des	Failure Rate, Unit	Quantity	Failure Rate
105A700139	Resistor	R432,R46,R472,- R489,R507,R521- -R524,R530,R542- ,R545,R547,R566- ,R567,R577	0.002133	16.00	0.034123
105A700139	Resistor	R579,R629,R630- ,R645,R655,R660- ,R701,R710,R716- ,R728,R781,R784	0.002133	12.00	0.025592
105A510003	Resistor	R480,R487,R505- ,R5508,R509,R51- ,R514,R516-R519- ,R52,R533,R779	0.002133	14.00	0.029858
105A527463	Resistor	R491,R515,R54,- R593,R632,R671	0.002133	6.00	0.012796
105A710039	Resistor	R304,R319,R353- ,R375,R385-R387- ,R400,R422,R436- ,R443,R502,R503- ,R535	0.002133	14.00	0.029858
105A710039	Resistor	R544,R637,R638- ,R80	0.002133	4.00	0.008531
105A701039	Resistor	R141,R148,R152- ,R227,R242,R261- ,R276,R281,R331- ,R334,R335,R346- ,R363	0.002133	13.00	0.027725
105A701039	Resistor	R476,R492,R546- ,R548,R574,R585- ,R591,R592,R606- ,R621,R626,R627- ,R646	0.002133	13.00	0.027725
105A701039	Resistor	R647,R661,R681- ,R690,R695,R699- ,R724,R772,R785- ,R792,R89,R91	0.002133	12.00	0.025592
105A708229	Resistor	R166,R1774,R254- -R256,R258,R259- ,R265-R268,R291- -R293,R419,R421- ,R434	0.002133	17.00	0.036256
105A708229	Resistor	R444,R446,R570- ,R573,R587,R589- ,R604,R618,R651- -R653,R662,R665- ,R727,R99	0.002133	15.00	0.031990
1059700001	Resistor	R112,R144,R483- ,R494,R513,R576- ,R584,R598,R669- ,R709,R722,R743	0.002133	12.00	0.025592
105A701053	Resistor	R123	0.002133	1.00	0.002133
105A501133	Resistor	R140	0.002133	1.00	0.002133
105A502833	Resistor	R151,R350,R351	0.002133	3.00	0.006398
105A704333	Resistor	R162,R163,R366- ,R452,R453	0.002133	5.00	0.010663

Standard Reliability Prediction Report

Part Number 9697815002
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Temperature 21.90



Description Top-level assembly
File Name 9697815002-600MHZ.RPJ
Time 3:28 下午
Failure Rate 20.707382
MTBF 48,292

Part Number	Category	Ref Des	Failure Rate, Unit	Quantity	Failure Rate
105A515003	Resistor	R260,R478,R493- ,R497,R531,R553- ,R555,R609	0.002133	8.00	0.017062
105A521033	Resistor	R279	0.002133	1.00	0.002133
105A533203	Resistor	R285,R753,R758	0.002133	3.00	0.006398
105A502423	Resistor	R318,R323,R721- ,R760	0.002133	4.00	0.008531
1213906008	Inductor	LN1-LN8	0.002133	8.00	0.017062
1304100540	Semiconductor	PWR	0.003662	1.00	0.003662
121230603T	Inductor	L1,L2,L20,L21,L28- -L35,L3,L38,L4,L4- 4,L46-L50,L5,L52,- L6,L63,L64,L67-L- 69,L7,L70	0.002133	31.00	0.066113
121230603T	Inductor	L71,L72,L73	0.002133	3.00	0.006398
121230603S	Inductor	L12,L23,L40,L43,- L55,L56,L61,L62,- L74,L8,L9	0.002133	11.00	0.023460
121230805Z	Inductor	L14,L15,L36,L37,- L45,L53	0.002133	6.00	0.012796
121230805X	Inductor	L18,L19,L59,L60,- L66	0.002133	5.00	0.010663
1214309003	Inductor	CH1-CH4	0.002133	4.00	0.008531
121230603U	Inductor	L42,L51,L65	0.002133	3.00	0.006398
1540733082	Resistor	RN46-RN49	0.005412	4.00	0.021650
1304002640	Semiconductor	HDD	0.003662	1.00	0.003662
14S3221600	Integrated Circuit	U24	0.047208	1.00	0.047208
1314111713	Integrated Circuit	Q49	0.047208	1.00	0.047208
1304900140	Semiconductor	S3-S5	0.003662	3.00	0.010986
105A702239	Resistor	R262	0.002133	1.00	0.002133
14S5A01400	Integrated Circuit	U39,U40	0.047208	2.00	0.094415
1315230111	Semiconductor	Q69,Q70	0.000000	2.00	0.000000
105A710009	Resistor	R327	0.002133	1.00	0.002133
1211100161	Inductor	L54,L58	0.002133	2.00	0.004265
121110010P	Inductor	L11	0.002133	1.00	0.002133
1211106871	Inductor	L57	0.002133	1.00	0.002133
1315446310	Integrated Circuit	Q67,Q68	0.047208	2.00	0.094415