

GENE-5315B

Reliability Prediction Report (MTBF)

Report NO : 08E070015

6-02-2008

Issue Date

Wenyuan Yang

Manager

Jessica Chou

Test Engineer

Reliability Prediction (MTBF)

I . **Model Name:** GENE-5315B

II . **Prediction Date:** Jun. 2nd, 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: 24.4 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:

- GENE-5315B
 - Failure Rate: 11.747967 ppm
 - MTBF: 85,121 Hours

AAEON Reliability Prediction Report

Part Number 969753150L-DIP
Reference Des
Date 06. 2, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.40



Description Top-level assembly
File Name GENE-5315B.RPJ
Time 5:15 下午
Failure Rate 11.747967
MTBF 85,121

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
GENE-5315-B10	969753150L-DIP	Belcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	11.747967	85,121

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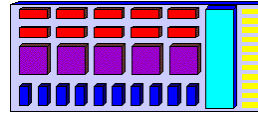


Description Top-level assembly
File Name GENE-5315B.RPJ
Time 5:15 下午
Failure Rate 11.747967
MTBF 85,121

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1653002100	Connection	JP1	Bellcore Issue 6	Level I		0.022055	1.00	.1877	0.022055	45341300.91
1653003100	Connection	JP6	Bellcore Issue 6	Level I		0.001654	1.00	.0141	0.001654	604550678.76
1653003101	Connection	JP2,JP3,JP7	Bellcore Issue 6	Level I		0.001654	3.00	.0422	0.004962	604550678.76
1653003201	Connection	JP4	Bellcore Issue 6	Level I		0.003308	1.00	.0282	0.003308	302275339.38
1654409103	Connection	CN19	Bellcore Issue 6	Level I		0.004962	1.00	.0422	0.004962	201516892.92
1655305020	Connection	CN22	Bellcore Issue 6	Level I		0.002757	1.00	.0235	0.002757	362730407.26
1655306020	Connection	CN8	Bellcore Issue 6	Level I		0.003308	1.00	.0282	0.003308	302275339.38
1653006101	Connection	CN17	Bellcore Issue 6	Level I		0.003308	1.00	.0282	0.003308	302275339.38
1653900034	Connection	CFD1	Bellcore Issue 6	Level I		0.001103	1.00	.0094	0.001103	906826018.14
1655003023	Connection	CN14	Bellcore Issue 6	Level I		0.001654	1.00	.0141	0.001654	604550678.76
1656304022	Connection	CN9	Bellcore Issue 6	Level I		0.002205	1.00	.0188	0.002205	453413009.07
1111610194	Capacitor	EC1-EC3	Bellcore Issue 6	Level I		0.041353	3.00	1.0560	0.124059	24182027.15
1654606306	Connection	CN18	Bellcore Issue 6	Level I		0.003308	1.00	.0282	0.003308	302275339.38
1654515308	Connection	CN20	Bellcore Issue 6	Level I		0.008271	1.00	.0704	0.008271	120910135.75
1189656190	Capacitor	EC6	Bellcore Issue 6	Level I		0.004482	1.00	.0382	0.004482	223099940.69
1652512207	Connection	CN15,CN16	Bellcore Issue 6	Level I		0.006616	2.00	.1126	0.013233	151137669.69
1655902030	Connection	BAT1	Bellcore Issue 6	Level I		0.001103	1.00	.0094	0.001103	906826018.14
175011901C	Miscellaneous	BAT1	Bellcore Issue 6	Level I		0.900000	1.00	7.6609	0.900000	1111111.11
175910000B	Miscellaneous	SP1	Bellcore Issue 6	Level I		0.150000	1.00	1.2768	0.150000	6666666.67
165320520K	Connection	CN4	Bellcore Issue 6	Level I		0.005514	1.00	.0469	0.005514	181365203.63
105A512113	Resistor	R323	Bellcore Issue 6	Level I		0.002241	1.00	.0191	0.002241	446199881.37
105A700003	Resistor	FB47,R157,R320,R341,R378-R380-R447,R452,R457,R458	Bellcore Issue 6	Level I		0.002241	11.00	.2098	0.024653	446199881.37
105A701003	Resistor	R324,R4,R83	Bellcore Issue 6	Level I		0.002241	3.00	.0572	0.006723	446199881.37
105A701053	Resistor	R399,R453	Bellcore Issue 6	Level I		0.002241	2.00	.0382	0.004482	446199881.37
105A703323	Resistor	R240,R319	Bellcore Issue 6	Level I		0.002241	2.00	.0382	0.004482	446199881.37
105A702733	Resistor	R263,R318	Bellcore Issue 6	Level I		0.002241	2.00	.0382	0.004482	446199881.37
1059700001	Resistor	R430	Bellcore Issue 6	Level I		0.002241	1.00	.0191	0.002241	446199881.37
105A710053	Resistor	R1,R381	Bellcore Issue 6	Level I		0.013447	2.00	.2289	0.026894	74366646.90
105A503033	Resistor	R190	Bellcore Issue 6	Level I		0.002241	1.00	.0191	0.002241	446199881.37
105A504763	Resistor	R390	Bellcore Issue 6	Level I		0.002241	1.00	.0191	0.002241	446199881.37

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Description Top-level assembly
File Name GENE-5315B.RPJ
Time 5:15 下午
Failure Rate 11.747967
MTBF 85,121

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A548713	Resistor	R262	Bellcore Issue 6	Level I		0.002241	1.00	.0191	0.002241	446199881.37
105A705133	Resistor	R343	Bellcore Issue 6	Level I		0.002241	1.00	.0191	0.002241	446199881.37
1212306030	Inductor	FB1,FB12,FB14,FB16,FB26-FB30,- FB34,FB36,FB37,FB39-FB42,FB44- -FB46,FB48,FB8	Bellcore Issue 6	Level I		0.002241	21.00	.4006	0.047064	446199881.37
1212308054	Inductor	FB50,FB51,FB6,FB7	Bellcore Issue 6	Level I		0.002241	4.00	.0763	0.008965	446199881.37
1231332721	Miscellaneous	Y2	Bellcore Issue 6	Level I		0.150000	1.00	1.2768	0.150000	6666666.67
1124522280	Capacitor	C274,C374	Bellcore Issue 6	Level I		0.004482	2.00	.0763	0.008965	223099940.69
1124522880	Capacitor	C151	Bellcore Issue 6	Level I		0.004482	1.00	.0382	0.004482	223099940.69
1300414840	Semiconductor	D26	Bellcore Issue 6	Level I		0.023472	1.00	.1998	0.023472	42604146.25
1301005440	Semiconductor	D11,D16,D17,D35	Bellcore Issue 6	Level I		0.023472	4.00	.7992	0.093888	42604146.25
1301005441	Semiconductor	D19,D20,D23,D7,D8	Bellcore Issue 6	Level I		0.023472	5.00	.9990	0.117359	42604146.25
1302001240	Semiconductor	D13,D6	Bellcore Issue 6	Level I		0.026894	2.00	.4578	0.053788	37183323.45
1311390610	Semiconductor	Q11,Q18	Bellcore Issue 6	Level I		0.023472	2.00	.3996	0.046944	42604146.25
14S4021301	Integrated Circuit	U14,U15,U54-U56	Bellcore Issue 6	Level I		0.056812	5.00	2.4179	0.284058	17602050.48
1651203291	Connection	U8	Bellcore Issue 6	Level I		0.017644	1.00	.1502	0.017644	56676626.13
14S4911216	Integrated Circuit	U7	Bellcore Issue 6	Level I	19.00	0.108839	1.00	.9265	0.108839	9187848.83
1653005202	Connection	CN6	Bellcore Issue 6	Level I		0.005514	1.00	.0469	0.005514	181365203.63
1653007204	Connection	CN7	Bellcore Issue 6	Level I		0.007719	1.00	.0657	0.007719	129546574.02
14S6334610	Integrated Circuit	U32,U35	Bellcore Issue 6	Level I		0.029281	2.00	.4985	0.058563	34151334.42
1301005442	Semiconductor	D3,D9	Bellcore Issue 6	Level I		0.023472	2.00	.3996	0.046944	42604146.25
1212306035	Inductor	FB10,FB11,FB13,FB18-FB25,FB31- -FB33,FB35,FB9	Bellcore Issue 6	Level I		0.002241	16.00	.3052	0.035858	446199881.37
14S5A01400	Integrated Circuit	U26,U46	Bellcore Issue 6	Level I		0.056812	2.00	.9672	0.113623	17602050.48
105A512033	Resistor	R79	Bellcore Issue 6	Level I		0.002241	1.00	.0191	0.002241	446199881.37
105A733033	Resistor	R77	Bellcore Issue 6	Level I		0.002241	1.00	.0191	0.002241	446199881.37
105A503423	Resistor	R383	Bellcore Issue 6	Level I		0.002241	1.00	.0191	0.002241	446199881.37
1310390411	Semiconductor	Q21,Q7,Q8	Bellcore Issue 6	Level I		0.023472	3.00	.5994	0.070416	42604146.25
1315700212	Semiconductor	Q1,Q10,Q12-Q17,Q19,Q2,Q20,Q5,- Q9	Bellcore Issue 6	Level I		0.078240	13.00	8.6578	1.017115	12781243.88
105A547003	Resistor	R186,R208	Bellcore Issue 6	Level I		0.002241	2.00	.0382	0.004482	446199881.37
1540710382	Resistor	RP4,RP43-RP45,RP48,RP59,RP68- ,RP74,RP82,RP83,RP85	Bellcore Issue 6	Level I		0.006077	11.00	.5690	0.066843	164564845.39

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File Name GENE-5315B.RPJ
Time 5:15 下午
Failure Rate 11.747967
MTBF 85,121

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1540733085	Resistor	RP102-RP107,RP27-RP42,RP86-R- P90	Bellcore Issue 6	Level I		0.006077	27.00	1.3966	0.164069	164564845.39
105A700103	Resistor	R289,R290,R298	Bellcore Issue 6	Level I		0.002241	3.00	.0572	0.006723	446199881.37
105A568123	Resistor	R80	Bellcore Issue 6	Level I		0.002241	1.00	.0191	0.002241	446199881.37
105A516513	Resistor	R3	Bellcore Issue 6	Level I		0.002241	1.00	.0191	0.002241	446199881.37
105A506823	Resistor	R160,R191	Bellcore Issue 6	Level I		0.002241	2.00	.0382	0.004482	446199881.37
1540722085	Resistor	RP1,RP2,RP50-RP52,RP54,RP56,- RP57,RP69-RP73,RP77-RP79	Bellcore Issue 6	Level I		0.006077	16.00	.8276	0.097226	164564845.39
1540700081	Resistor	RP100,RP60-RP67,RP95,RP96,RP- 98	Bellcore Issue 6	Level I		0.006077	12.00	.6207	0.072920	164564845.39
105A700139	Resistor	R177,R181,R195,R220,R228,R235- R286,R296,R302,R306,R307,R310- R325,R338,R340,R344,R346,R376- R382,R82,R96,R97	Bellcore Issue 6	Level I		0.002241	22.00	.4197	0.049305	446199881.37
105A704729	Resistor	R110,R158,R159,R170,R171,R198- R203,R267,R269,R272,R273,R28,- R345,R350,R355,R357,R359,R402- R403,R442,R461,R462,R87,R9	Bellcore Issue 6	Level I		0.002241	24.00	.4578	0.053788	446199881.37
105A704729	Resistor	R93,R95,R98,R99	Bellcore Issue 6	Level I		0.002241	4.00	.0763	0.008965	446199881.37
105A701039	Resistor	R113,R115,R129,R130,R136,R163- R165,R17,R176,R193,R197,R200,- R207,R210,R214,R217,R219,R221- R222,R225,R226,R229-R233	Bellcore Issue 6	Level I		0.002241	26.00	.4960	0.058270	446199881.37
105A701039	Resistor	R238,R265,R279,R283,R284,R292- R293,R299,R300,R303,R316,R339- R395,R396,R8,R92	Bellcore Issue 6	Level I		0.002241	16.00	.3052	0.035858	446199881.37
105A710009	Resistor	R164,R81	Bellcore Issue 6	Level I		0.002241	2.00	.0382	0.004482	446199881.37
105A703309	Resistor	R100,R106,R114,R126,R196,R199- R275,R282,R315,R334,R337,R349- R388,R389,R420,R423,R57,R59-R- 74	Bellcore Issue 6	Level I		0.002241	33.00	.6295	0.073958	446199881.37
105A702229	Resistor	R174,R245,R246,R27,R347,R348,- R426	Bellcore Issue 6	Level I		0.002241	7.00	.1335	0.015688	446199881.37
105A733009	Resistor	R152,R154-R156,R161,R168,R178- R367,R407,R408,R448,R7	Bellcore Issue 6	Level I		0.002241	12.00	.2289	0.026894	446199881.37
1129710090	Capacitor	C107,C116,C349,C398,C400,C411- C413,C415	Bellcore Issue 6	Level I		0.004482	9.00	.3434	0.040341	223099940.69
1129722091	Capacitor	C11,C14,C187,C74,C75	Bellcore Issue 6	Level I		0.004482	5.00	.1908	0.022411	223099940.69
1129710390	Capacitor	C10,C13	Bellcore Issue 6	Level I		0.004482	2.00	.0763	0.008965	223099940.69

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Failure Rate 11.747967
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Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1129701790	Capacitor	C130-C133,C139,C240,C258,C292-,C294,C296,C307,C316,C317,C320-,C326,C337,C339,C340,C366,C414	Bellcore Issue 6	Level I		0.004482	20.00	.7631	0.089646	223099940.69
1301053040	Semiconductor	D4,D5	Bellcore Issue 6	Level I		0.023472	2.00	.3996	0.046944	42604146.25
1315970110	Semiconductor	U42,U43	Bellcore Issue 6	Level I		0.078240	2.00	1.3320	0.156479	12781243.88
1174522180	Capacitor	CP1,CP10,CP11,CP2-CP9	Bellcore Issue 6	Level I		0.005444	11.00	.5098	0.059886	183681598.98
121230805D	Inductor	FB38	Bellcore Issue 6	Level I		0.002241	1.00	.0191	0.002241	446199881.37
14S5A12503	Integrated Circuit	U23	Bellcore Issue 6	Level I		0.037931	1.00	.3229	0.037931	26363512.56
106B501031	Resistor	RT1,RT2	Bellcore Issue 6	Level I		0.011027	2.00	.1877	0.022055	90682601.81
14S2303700	Integrated Circuit	U22	Bellcore Issue 6	Level I		0.056812	1.00	.4836	0.056812	17602050.48
14S2202600	Integrated Circuit	U25,U48	Bellcore Issue 6	Level I		0.056812	2.00	.9672	0.113623	17602050.48
1653222208	Connection	CN1	Bellcore Issue 6	Level I		0.024260	1.00	.2065	0.024260	41219364.46
1301000340	Semiconductor	D15,D18	Bellcore Issue 6	Level I		0.023472	2.00	.3996	0.046944	42604146.25
14S4813905	Integrated Circuit	U10	Bellcore Issue 6	Level I	10.30	0.068263	1.00	.5811	0.068263	14649283.25
14S4813905	Integrated Circuit	U33	Bellcore Issue 6	Level I	15.90	0.092445	1.00	.7869	0.092445	10817209.06
1311119710	Semiconductor	Q3,Q6	Bellcore Issue 6	Level I		0.023472	2.00	.3996	0.046944	42604146.25
14S5801402	Integrated Circuit	U11	Bellcore Issue 6	Level I		0.037931	1.00	.3229	0.037931	26363512.56
1654262300	Connection	MPCI1	Bellcore Issue 6	Level I		0.068370	1.00	.5820	0.068370	14626226.10
1304001340	Semiconductor	D24	Bellcore Issue 6	Level I		0.004616	1.00	.0393	0.004616	216652706.71
1304101340	Semiconductor	D1	Bellcore Issue 6	Level I		0.004616	1.00	.0393	0.004616	216652706.71
1653217209	Connection	CN2	Bellcore Issue 6	Level I		0.018747	1.00	.1596	0.018747	53342706.95
105A710039	Resistor	R107,R175,R182-R184,R192,R194-,R368-R370,R94	Bellcore Issue 6	Level I		0.002241	11.00	.2098	0.024653	446199881.37
105A701539	Resistor	R285,R305	Bellcore Issue 6	Level I		0.002241	2.00	.0382	0.004482	446199881.37
105A507509	Resistor	R312,R313,R317	Bellcore Issue 6	Level I		0.002241	3.00	.0572	0.006723	446199881.37
105A705629	Resistor	R212,R218,R253,R259,R270,R276-,R374	Bellcore Issue 6	Level I		0.002241	7.00	.1335	0.015688	446199881.37
1124427090	Capacitor	C114,C115,C286,C290,C449	Bellcore Issue 6	Level I		0.004482	5.00	.1908	0.022411	223099940.69
1124433090	Capacitor	C257,C368	Bellcore Issue 6	Level I		0.004482	2.00	.0763	0.008965	223099940.69
1653213207	Connection	CN3	Bellcore Issue 6	Level I		0.014336	1.00	.1220	0.014336	69755847.55
105A549969	Resistor	R139-R146	Bellcore Issue 6	Level I		0.002241	8.00	.1526	0.017929	446199881.37
105A500139	Resistor	R2,R414,R463,R465	Bellcore Issue 6	Level I		0.002241	4.00	.0763	0.008965	446199881.37

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MTBF 85,121

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A501039	Resistor	R162,R166,R167,R179,R180,R188-R189,R55,R56	Bellcore Issue 6	Level I		0.002241	9.00	.1717	0.020170	446199881.37
1653925216	Connection	CFD1	Bellcore Issue 6	Level I		0.027569	1.00	.2347	0.027569	36273040.73
1315992601	Semiconductor	U27	Bellcore Issue 6	Level I		0.156479	1.00	1.3320	0.156479	6390621.94
1124410190	Capacitor	C159-C161,C167,C168	Bellcore Issue 6	Level I		0.004482	5.00	.1908	0.022411	223099940.69
105A705139	Resistor	R443-R445,R450,R451	Bellcore Issue 6	Level I		0.002241	5.00	.0954	0.011206	446199881.37
14S3156500	Integrated Circuit	U6	Bellcore Issue 6	Level I		0.056812	1.00	.4836	0.056812	17602050.48
105A702269	Resistor	R148,R149,R242,R255,R5,R6	Bellcore Issue 6	Level I		0.002241	6.00	.1145	0.013447	446199881.37
1124568280	Capacitor	C145	Bellcore Issue 6	Level I		0.004482	1.00	.0382	0.004482	223099940.69
1129722060	Capacitor	C109,C153,C264,C358	Bellcore Issue 6	Level I		0.004482	4.00	.1526	0.017929	223099940.69
14S9820800	Integrated Circuit	U40	Bellcore Issue 6	Level I		0.037931	1.00	.3229	0.037931	26363512.56
1124522190	Capacitor	C329,C332,C355	Bellcore Issue 6	Level I		0.004482	3.00	.1145	0.013447	223099940.69
1129610051	Capacitor	C18,C185,C19,C204,C205,C208,C-214,C215,C249,C266,C283,C289,C-3,C306,C311,C312,C314,C315,C32-8,C345,C353,C364,C373,C384	Bellcore Issue 6	Level I		0.004482	24.00	.9157	0.107575	223099940.69
1129610051	Capacitor	C385,C401,C422,C423,C8,C84,C85-C92	Bellcore Issue 6	Level I		0.004482	8.00	.3052	0.035858	223099940.69
1653006203	Connection	JP5	Bellcore Issue 6	Level I		0.006616	1.00	.0563	0.006616	151137669.69
121230603L	Inductor	FB15,FB43	Bellcore Issue 6	Level I		0.002241	2.00	.0382	0.004482	446199881.37
14S4048502	Integrated Circuit	U41,U45	Bellcore Issue 6	Level I		0.056812	2.00	.9672	0.113623	17602050.48
1050502204	Resistor	R101,R102,R105,R109,R116,R120-R121,R123-R125,R131-R135,R147-R169,R236,R239,R247-R251,R326-R335,R336,R387,R86,R88-R90	Bellcore Issue 6	Level I		0.002241	32.00	.6105	0.071717	446199881.37
14S4081110	Integrated Circuit	U18	Bellcore Issue 6	Level I		0.056812	1.00	.4836	0.056812	17602050.48
11E9610190	Capacitor	C12,C15,C157,C166,C174-C179,C-183,C188,C189,C199,C20,C201,C2-30,C234,C293,C295,C302,C303,C3-09,C322-C324,C327,C338,C341	Bellcore Issue 6	Level I		0.041353	29.00	10.2080	1.199238	24182027.15
11E9501090	Capacitor	C361,C417,C424,C76,C9,C99	Bellcore Issue 6	Level I		0.041353	6.00	2.1120	0.248118	24182027.15
14S5A03200	Integrated Circuit	U36	Bellcore Issue 6	Level I		0.037931	1.00	.3229	0.037931	26363512.56
105A501623	Resistor	R333	Bellcore Issue 6	Level I		0.002241	1.00	.0191	0.002241	446199881.37
1189622189	Capacitor	TC3,TC6	Bellcore Issue 6	Level I		0.004482	2.00	.0763	0.008965	223099940.69
105A514713	Resistor	R258,R332	Bellcore Issue 6	Level I		0.002241	2.00	.0382	0.004482	446199881.37

AAEON Reliability Prediction Report

Part Number 969753150L-DIP
Reference Des
Date 06. 2, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.40



Description Top-level assembly
File Name GENE-5315B.RPJ
Time 5:15 下午
Failure Rate 11.747967
MTBF 85,121

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
14S3149103	Integrated Circuit	U13	Bellcore Issue 6	Level I	21.10	0.121348	1.00	1.0329	0.121348	8240775.90
14S2272700	Integrated Circuit	U30,U39	Bellcore Issue 6	Level I		0.056812	2.00	.9672	0.113623	17602050.48
1211104769	Inductor	L2,L3	Bellcore Issue 6	Level I		0.085164	2.00	1.4498	0.170327	11742102.14
14S4758300	Integrated Circuit	U37	Bellcore Issue 6	Level I	17.30	0.099558	1.00	.8475	0.099558	10044361.83
123131435B	Miscellaneous	Y3	Bellcore Issue 6	Level I		0.150000	1.00	1.2768	0.150000	6666666.67
1231325058	Miscellaneous	Y4,Y5	Bellcore Issue 6	Level I		0.150000	2.00	2.5536	0.300000	6666666.67
1231324555	Miscellaneous	Y1	Bellcore Issue 6	Level I		0.150000	1.00	1.2768	0.150000	6666666.67
14S4121601	Integrated Circuit	U34	Bellcore Issue 6	Level I		0.037931	1.00	.3229	0.037931	26363512.56
14S3020300	Integrated Circuit	U24	Bellcore Issue 6	Level I	20.90	0.238429	1.00	2.0295	0.238429	4194122.85
1315313800	Integrated Circuit	U4,U44	Bellcore Issue 6	Level I		0.056812	2.00	.9672	0.113623	17602050.48
1654040001	Connection	CN12	Bellcore Issue 6	Level I		0.022055	1.00	.1877	0.022055	45341300.91
14S3128421	Integrated Circuit	U16	Bellcore Issue 6	Level I		0.056812	1.00	.4836	0.056812	17602050.48
14S4195710	Integrated Circuit	U50	Bellcore Issue 6	Level I		0.056812	1.00	.4836	0.056812	17602050.48
1189633192	Capacitor	TC2,TC4	Bellcore Issue 6	Level I		0.004482	2.00	.0763	0.008965	223099940.69
105A501413	Resistor	R412	Bellcore Issue 6	Level I		0.002241	1.00	.0191	0.002241	446199881.37
14S4871204	Integrated Circuit	U1	Bellcore Issue 6	Level I	17.70	0.101677	1.00	.8655	0.101677	9835056.93
14S5A12506	Integrated Circuit	U28	Bellcore Issue 6	Level I		0.037931	1.00	.3229	0.037931	26363512.56
121110336L	Inductor	L1	Bellcore Issue 6	Level I		0.085164	1.00	.7249	0.085164	11742102.14
14S4553600	Integrated Circuit	U3	Bellcore Issue 6	Level I		0.037931	1.00	.3229	0.037931	26363512.56
14S5A00821	Integrated Circuit	U17,U49	Bellcore Issue 6	Level I		0.037931	2.00	.6457	0.075862	26363512.56
1189615150	Capacitor	C226,C435,C437,C439,C440	Bellcore Issue 6	Level I		0.004482	5.00	.1908	0.022411	223099940.69
1121533480	Capacitor	C444,C445	Bellcore Issue 6	Level I		0.004482	2.00	.0763	0.008965	223099940.69
14S3524700	Integrated Circuit	U53	Bellcore Issue 6	Level I		0.056812	1.00	.4836	0.056812	17602050.48
165320520G	Connection	CN13,CN21,CN5	Bellcore Issue 6	Level I		0.005514	3.00	.1408	0.016541	181365203.63
165320520G	Connection	CN13,CN21,CN23-CN25,CN5	Bellcore Issue 6	Level I		0.005514	3.00	.1408	0.016541	181365203.63
1655901000	Connection	CN26	Bellcore Issue 6	Level I		0.005514	1.00	.0469	0.005514	181365203.63
1315667910	Semiconductor	U5,U9	Bellcore Issue 6	Level I		0.078240	2.00	1.3320	0.156479	12781243.88
14S4800004	Integrated Circuit	U12	Bellcore Issue 6	Level I	17.90	0.071297	1.00	.6069	0.071297	14025766.50
1305100541	Semiconductor	D27-D34	Bellcore Issue 6	Level I		0.023472	8.00	1.5984	0.187775	42604146.25
1214309000	Inductor	CH1-CH4	Bellcore Issue 6	Level I		0.002241	4.00	.0763	0.008965	446199881.37
11E1647650	Capacitor	C128,C242	Bellcore Issue 6	Level I		0.041353	2.00	.7040	0.082706	24182027.15

