

ETX-945GSE

Reliability Prediction Report (MTBF)

Report NO : 09E070043

12-03-2009

Issue Date

Wenyuan Yang

Manager

Jessica Chou

Test Engineer

Reliability Prediction (MTBF)

I . **Model Name:** ETX-945GSE (9697X94524-D)

II . **Prediction Date:** Dec. 3rd, 2009

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 degrees C
- Standard: Telcordia (Bellcore) Standard

VII . **Term and Definition:**

- Unit : An assembly of device.
- Duty Cycle : 100%
- 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:**

- ETX-945GSE (9697X94524-D) :
Failure Rate: 10.196507 ppm
MTBF: 98,073 Hours

AAEON Reliability Prediction Report

Part Number 9697X94524-D
Reference Des
Date 12. 2, 2009
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.00



Description Top-level assembly
File Name ETX-945GSE.RPJ
Time 6:12 下午
Failure Rate 10.196507
MTBF 98,073

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
ETX-945GSE	9697X94524-D	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled	100.00	1.00	10.20	98072.81

AAEON Reliability Prediction Report

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Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.00



Description Top-level assembly
File Name ETX-945GSE.RPJ
Time 6:12 下午
Failure Rate 10.196507
MTBF 98,073

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
16515A0997	Connection	CN1	Telcordia Issue 1	Level I		1.00	0.107982	1.0590	9260839.68
1653930130	Connection	CN2	Telcordia Issue 1	Level I		1.00	0.016197	.1589	61738931.19
165300320D	Connection	CN3	Telcordia Issue 1	Level I		1.00	0.001080	.0106	926083967.92
1654907101	Connection	CN4,CN5	Telcordia Issue 1	Level I		2.00	0.021596	.4236	46304198.40
1129610051	Capacitor	C10,C102,C11,C12, C13,C14,C15,C16, C175,C184,C191, C192,C231,C241, C248,C252,C259, C263,C284,C303, C304,C305,C324, C336,C343,C349, C359,C364,C368, C371,C375,C380, C384,C395,C414, C419,C49,C5,C50, C57,C59,C6,C67,	Telcordia Issue 1	Level I		52.00	0.004447	2.2679	224864994.43
11E9501090	Capacitor	C113,C131,C132, C166,C17,C18,C190, C283,C289,C291, C297,C298,C325, C337,C340,C341, C347,C398,C399, C400,C60,C61,C65, C66,C69,C72,C73	Telcordia Issue 1	Level I		27.00	0.004447	1.1776	224864994.43
1122522890	Capacitor	C103,C105,C107, C109,C47,C82,C91	Telcordia Issue 1	Level I		7.00	0.004447	.3053	224864994.43
11E9647680	Capacitor	C143,C196,C51,C52, C63,C64,C76,C77, C83	Telcordia Issue 1	Level I		9.00	0.004447	.3925	224864994.43
11E9622050	Capacitor	C421,C422,C86,C93	Telcordia Issue 1	Level I		4.00	0.004447	.1745	224864994.43
1129710090	Capacitor	C111,C112,C268, C281	Telcordia Issue 1	Level I		4.00	0.004447	.1745	224864994.43
1124547290	Capacitor	C114,C115,C116, C117,C401,C402, C403,C404	Telcordia Issue 1	Level I		8.00	0.004447	.3489	224864994.43
1124405090	Capacitor	C185,C186,C333	Telcordia Issue 1	Level I		3.00	0.004447	.1308	224864994.43
118961018A	Capacitor	C189,C222,C225	Telcordia Issue 1	Level I		3.00	0.004447	.1308	224864994.43
1129722091	Capacitor	C236,C239,C361, C362,C363,C378, C379	Telcordia Issue 1	Level I		7.00	0.004447	.3053	224864994.43
1129710390	Capacitor	C266,C270,C290, C316,C319,C338, C339,C356,C357	Telcordia Issue 1	Level I		9.00	0.004447	.3925	224864994.43

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MTBF 98,073

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1129610080	Capacitor	C148,C293,C294, C295,C296,C390, C515	Telcordia Issue 1	Level I		7.00	0.004447	.3053	224864994.43
1129747090	Capacitor	C308,C309,C310, C311	Telcordia Issue 1	Level I		4.00	0.005430	.2130	184164725.73
1124410190	Capacitor	C312,C313,C314, C318,C345,C346, C351,C352,C391, C516	Telcordia Issue 1	Level I		10.00	0.004447	.4361	224864994.43
1129715090	Capacitor	C321	Telcordia Issue 1	Level I		1.00	0.004447	.0436	224864994.43
1124447180	Capacitor	C322	Telcordia Issue 1	Level I		1.00	0.004447	.0436	224864994.43
1122539980	Capacitor	C392	Telcordia Issue 1	Level I		1.00	0.004447	.0436	224864994.43
1124522190	Capacitor	C397	Telcordia Issue 1	Level I		1.00	0.004447	.0436	224864994.43
1129622690	Capacitor	C406	Telcordia Issue 1	Level I		1.00	0.004447	.0436	224864994.43
1301053040	Semiconductor	D1,D10,D11,D14,D17, D18,D2,D7,D8,D9	Telcordia Issue 1	Level I		10.00	0.023202	2.2755	43099415.80
1301005443	Semiconductor	D16,D3,D4	Telcordia Issue 1	Level I		3.00	0.026683	.7851	37477499.07
1300001440	Semiconductor	D5,D6	Telcordia Issue 1	Level I		2.00	0.023202	.4551	43099415.80
1301005442	Semiconductor	D13,D22	Telcordia Issue 1	Level I		2.00	0.023202	.4551	43099415.80
1301003240	Semiconductor	D15	Telcordia Issue 1	Level I		1.00	0.023202	.2276	43099415.80
1301005441	Semiconductor	D19	Telcordia Issue 1	Level I		1.00	0.026683	.2617	37477499.07
1305099140	Semiconductor	D20,D21	Telcordia Issue 1	Level I		2.00	0.077341	1.5170	12929824.74
12123C0007	Inductor	FB1,FB2,FB5	Telcordia Issue 1	Level I		3.00	0.002224	.0654	449729988.87
12123C0006	Inductor	FB3,FB4,FB8	Telcordia Issue 1	Level I		3.00	0.002224	.0654	449729988.87
121230805Z	Inductor	FB6,R405	Telcordia Issue 1	Level I		2.00	0.002224	.0436	449729988.87
1212306030	Inductor	FB12,FB15,FB7,L8, L9	Telcordia Issue 1	Level I		5.00	0.002224	.1090	449729988.87
105A700003	Resistor	FB11,R353,R354, R369,R373,R383, R386,R429,R458, R459,R467,R706	Telcordia Issue 1	Level I		12.00	0.002224	.2617	449729988.87
1212306035	Inductor	FB10,FB13,FB14, FB21,FB9	Telcordia Issue 1	Level I		5.00	0.002224	.1090	449729988.87
1304101340	Semiconductor	LED1	Telcordia Issue 1	Level I		1.00	0.004449	.0436	224768428.01
1212308054	Inductor	L1	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87
1211100102	Inductor	L2	Telcordia Issue 1	Level I		1.00	0.084495	.8287	11834999.71
121110100F	Inductor	L3,L4	Telcordia Issue 1	Level I		2.00	0.084495	1.6573	11834999.71
121230805L	Inductor	L6,L7	Telcordia Issue 1	Level I		2.00	0.002224	.0436	449729988.87
1211000180	Inductor	L10	Telcordia Issue 1	Level I	35.50	1.00	0.004156	.0408	240589986.03
1211000180	Inductor	L12	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87
1211000180	Inductor	L11	Telcordia Issue 1	Level I	34.90	1.00	0.004117	.0404	242877000.03
1211000180	Inductor	L14	Telcordia Issue 1	Level I	33.50	1.00	0.004027	.0395	248331460.22
1211103370	Inductor	L13	Telcordia Issue 1	Level I	32.40	1.00	0.003957	.0388	252736363.19

AAEON Reliability Prediction Report

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Temp. (°C) 24.00

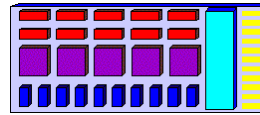


Description Top-level assembly
File Name ETX-945GSE.RPJ
Time 6:12 下午
Failure Rate 10.196507
MTBF 98,073

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1315030110	Semiconductor	Q1,Q2	Telcordia Issue 1	Level I		2.00	0.000000	.0000	.00
1314108610	Integrated Circuit	Q3	Telcordia Issue 1	Level I		1.00	0.055165	.5410	18127595.98
1310390411	Semiconductor	Q6	Telcordia Issue 1	Level I		1.00	0.023202	.2276	43099415.80
1315662210	Semiconductor	Q10	Telcordia Issue 1	Level I		1.00	0.077341	.7585	12929824.74
1315662810	Semiconductor	Q11,Q12,Q13	Telcordia Issue 1	Level I		3.00	0.077341	2.2755	12929824.74
1315667910	Semiconductor	Q39,Q40	Telcordia Issue 1	Level I		2.00	0.154681	3.0340	6464912.37
1315700211	Semiconductor	Q41,Q42,Q44,Q45, Q46,Q47,Q48,Q49, Q51,Q53,Q54	Telcordia Issue 1	Level I		11.00	0.077341	8.3435	12929824.74
1311390610	Semiconductor	Q43	Telcordia Issue 1	Level I		1.00	0.023202	.2276	43099415.80
1540710382	Resistor	RN1,RN10,RN11,RN12, RN2,RN3,RN4,RN5, RN6,RN7,RN8,RN9	Telcordia Issue 1	Level I		12.00	0.005966	.7021	167618774.31
1540747285	Resistor	RN13,RN14,RN15, RN16,RN17	Telcordia Issue 1	Level I		5.00	0.005966	.2925	167618774.31
1540782282	Resistor	RP1,RP2,RP3,RP4, RP5	Telcordia Issue 1	Level I		5.00	0.011932	.5851	83809387.15
105A733009	Resistor	R1,R600,R601,R602, R603,R707	Telcordia Issue 1	Level I		6.00	0.002224	.1308	449729988.87
105A705609	Resistor	R100,R107,R15,R16, R17,R195,R2,R209, R210,R211,R212, R213,R214,R215, R216,R218,R219, R220,R222,R223, R224,R225,R226, R227,R228,R229, R230,R231,R232, R233,R234,R235, R236,R26,R28	Telcordia Issue 1	Level I		35.00	0.002224	.7632	449729988.87
105A500139	Resistor	R18,R19,R20,R21, R23,R24,R25,R3, R357,R359,R623, R702,R703	Telcordia Issue 1	Level I		13.00	0.002224	.2835	449729988.87
105A706809	Resistor	R4	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87
1050502204	Resistor	R545,R546,R547, R548,R549,R550,R8	Telcordia Issue 1	Level I		7.00	0.002224	.1526	449729988.87
105A527463	Resistor	R13,R9	Telcordia Issue 1	Level I		2.00	0.002224	.0436	449729988.87
105A554969	Resistor	R11,R14,R42,R43	Telcordia Issue 1	Level I		4.00	0.002224	.0872	449729988.87
105A500239	Resistor	R27,R29,R30	Telcordia Issue 1	Level I		3.00	0.002224	.0654	449729988.87
105A510009	Resistor	R158,R173,R392, R396,R40,R41,R47, R49,R50,R65	Telcordia Issue 1	Level I		10.00	0.002224	.2181	449729988.87
1050524904	Resistor	R101,R112,R113,R44, R45,R56	Telcordia Issue 1	Level I		6.00	0.002224	.1308	449729988.87
1050522104	Resistor	R46	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87
1050520004	Resistor	R51	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87

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Time 6:12 下午
Failure Rate 10.196507
MTBF 98,073

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105A700139	Resistor	R129,R140,R197, R199,R201,R256, R261,R265,R277, R389,R453,R455, R556,R582,R588, R604,R605,R614, R689	Telcordia Issue 1	Level I		19.00	0.002224	.4143	449729988.87
1050512164	Resistor	R180,R181,R182, R183,R184,R185, R567,R620	Telcordia Issue 1	Level I		8.00	0.002224	.1745	449729988.87
105A701059	Resistor	R192	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87
105A511503	Resistor	R217	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87
105A518703	Resistor	R221	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87
105A511103	Resistor	R270,R271	Telcordia Issue 1	Level I		2.00	0.002224	.0436	449729988.87
105A561903	Resistor	R273	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87
105A554903	Resistor	R274	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87
105A701003	Resistor	R334,R335,R382	Telcordia Issue 1	Level I		3.00	0.002224	.0654	449729988.87
105A501033	Resistor	R336	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87
105A702263	Resistor	R338,R341,R346, R350	Telcordia Issue 1	Level I		4.00	0.002224	.0872	449729988.87
105A502233	Resistor	R339	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87
105A571533	Resistor	R345	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87
105A507523	Resistor	R348	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87
105A503033	Resistor	R351	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87
105A501533	Resistor	R352	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87
1050547004	Resistor	R360	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87
105A575033	Resistor	R361	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87
105A700109	Resistor	R366	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87
105A535713	Resistor	R371	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87
105A518223	Resistor	R387	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87
105A501633	Resistor	R388	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87
105A702039	Resistor	R393,R394	Telcordia Issue 1	Level I		2.00	0.002224	.0436	449729988.87
105A549903	Resistor	R397	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87
1050584524	Resistor	R400	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87
1050513034	Resistor	R401,R403	Telcordia Issue 1	Level I		2.00	0.002224	.0436	449729988.87
105A506823	Resistor	R409,R410	Telcordia Issue 1	Level I		2.00	0.002224	.0436	449729988.87
106B501031	Resistor	R417	Telcordia Issue 1	Level I		1.00	0.010798	.1059	92608396.79
105A702429	Resistor	R448	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87
105A551119	Resistor	R460	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87
1050501234	Resistor	R461	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87

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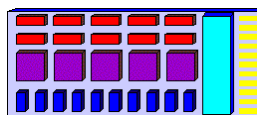


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MTBF 98,073

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105A704739	Resistor	R516,R517,R519, R688	Telcordia Issue 1	Level I		4.00	0.002224	.0872	449729988.87
105A705139	Resistor	R606,R607,R696	Telcordia Issue 1	Level I		3.00	0.002224	.0654	449729988.87
1189647180	Capacitor	TC10,TC8, TC9	Telcordia Issue 1	Level I		3.00	0.004447	.1308	224864994.43
1189647180	Capacitor	TC5	Telcordia Issue 1	Level I	23.30	1.00	0.006811	.0668	146831749.94
1189647180	Capacitor	TC1	Telcordia Issue 1	Level I	29.60	1.00	0.007563	.0742	132222983.20
1189633160	Capacitor	TC13,TC15,TC2,TC4	Telcordia Issue 1	Level I		4.00	0.004447	.1745	224864994.43
1189633160	Capacitor	TC6	Telcordia Issue 1	Level I	22.90	1.00	0.006764	.0663	147832593.59
1189615150	Capacitor	TC14,TC16,TC17, TC18,TC19,TC3	Telcordia Issue 1	Level I		6.00	0.004447	.2617	224864994.43
1189922180	Capacitor	TC11,TC12	Telcordia Issue 1	Level I		2.00	0.004447	.0872	224864994.43
1189922180	Capacitor	TC7	Telcordia Issue 1	Level I	26.50	1.00	0.007187	.0705	139149198.89
106B503331	Resistor	TH1	Telcordia Issue 1	Level I		1.00	0.010798	.1059	92608396.79
14S4160020	Integrated Circuit	U1	Telcordia Issue 1	Level I	22.30	1.00	0.084243	.8262	11870441.68
14S4294503	Integrated Circuit	U3	Telcordia Issue 1	Level I	29.70	1.00	0.122002	1.1965	8196615.50
14S428010D	Integrated Circuit	U4	Telcordia Issue 1	Level I	20.80	1.00	0.077986	.7648	12822745.22
14S62945E0	Integrated Circuit	U5	Telcordia Issue 1	Level I		1.00	0.093154	.9136	10734952.70
14S6201601	Integrated Circuit		Telcordia Issue 1	Level I		1.00	0.152483	1.4954	6558111.58
14S5A00821	Integrated Circuit	U7	Telcordia Issue 1	Level I		1.00	0.024683	.2421	40513908.68
14S5A00700	Integrated Circuit	U8	Telcordia Issue 1	Level I	27.50	1.00	0.105556	1.0352	9473617.14
14S3050100	Integrated Circuit	U9	Telcordia Issue 1	Level I	32.50	1.00	0.477148	4.6795	2095785.07
14S4963500	Integrated Circuit	U10	Telcordia Issue 1	Level I		1.00	0.055165	.5410	18127595.98
14S4081110	Integrated Circuit	U21	Telcordia Issue 1	Level I		1.00	0.055165	.5410	18127595.98
14S2362400	Integrated Circuit	U12	Telcordia Issue 1	Level I	26.70	1.00	0.335142	3.2868	2983810.94
14S4256200	Inductor	U13	Telcordia Issue 1	Level I		1.00	0.133413	1.3084	7495499.81
14S6334610	Integrated Circuit	U14	Telcordia Issue 1	Level I		1.00	0.021319	.2091	46906028.37
1315992601	Semiconductor	U15	Telcordia Issue 1	Level I	22.60	1.00	0.284015	2.7854	3520945.34
14S4148500	Integrated Circuit	U16	Telcordia Issue 1	Level I		1.00	0.055165	.5410	18127595.98
14S2591200	Integrated Circuit	U19	Telcordia Issue 1	Level I		1.00	0.055165	.5410	18127595.98
14S2048600	Integrated Circuit	U20	Telcordia Issue 1	Level I		1.00	0.055165	.5410	18127595.98
14S2045400	Integrated Circuit	U23	Telcordia Issue 1	Level I		1.00	0.055165	.5410	18127595.98
14S4362704	Integrated Circuit	U24	Telcordia Issue 1	Level I	27.50	1.00	0.109475	1.0737	9134470.20
14S5500400	Integrated Circuit	U25	Telcordia Issue 1	Level I		1.00	0.024683	.2421	40513908.68
14S3065500	Integrated Circuit	U26	Telcordia Issue 1	Level I	29.60	1.00	0.400518	3.9280	2496766.43
14S6340222	Integrated Circuit	U28	Telcordia Issue 1	Level I	28.70	1.00	0.146508	1.4368	6825547.14
14S4888801	Integrated Circuit	U29	Telcordia Issue 1	Level I	25.50	1.00	0.099080	.9717	10092807.98
14S4195710	Integrated Circuit	U31	Telcordia Issue 1	Level I		1.00	0.055165	.5410	18127595.98

AAEON Reliability Prediction Report

Part Number 9697X94524-D
Reference Des
Date 12. 2, 2009
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.00



Description Top-level assembly
File Name ETX-945GSE.RPJ
Time 6:12 下午
Failure Rate 10.196507
MTBF 98,073

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
14S5A12503	Integrated Circuit	U34	Telcordia Issue 1	Level I		1.00	0.055165	.5410	18127595.98
14S5A73200	Integrated Circuit	U35	Telcordia Issue 1	Level I		1.00	0.024683	.2421	40513908.68
1653150221	Connection	X1A,X1B,X1C,X1D	Telcordia Issue 1	Level I		4.00	0.053991	2.1180	18521679.36
1231332721	Miscellaneous	Y1	Telcordia Issue 1	Level I		1.00	0.150000	1.4711	6666666.67
123131435B	Miscellaneous	Y2	Telcordia Issue 1	Level I		1.00	0.150000	1.4711	6666666.67
1231325058	Miscellaneous	Y3	Telcordia Issue 1	Level I		1.00	0.150000	1.4711	6666666.67
1231324555	Miscellaneous	Y4	Telcordia Issue 1	Level I		1.00	0.150000	1.4711	6666666.67
11E1522680	Capacitor	C193,C194,C195, C197,C198,C242, C243,C244,C251, C255,C44	Telcordia Issue 1	Level I		11.00	0.004447	.4798	224864994.43
1129701790	Capacitor	C147,C165,C240, C288,C317,C95	Telcordia Issue 1	Level I		6.00	0.004447	.2617	224864994.43
11E1622060	Capacitor	C238	Telcordia Issue 1	Level I		1.00	0.004447	.0436	224864994.43
11E1501080	Capacitor	C257,C269,C271, C272,C279,C280, C300,C306,C315, C353,C354,C355	Telcordia Issue 1	Level I		12.00	0.005430	.6390	184164725.73
1124501780	Capacitor	C307	Telcordia Issue 1	Level I		1.00	0.004447	.0436	224864994.43
11E9547490	Capacitor	C100,C101,C78,C98, C99	Telcordia Issue 1	Level I		5.00	0.004447	.2181	224864994.43
1653003202	Connection	JP1	Telcordia Issue 1	Level I		1.00	0.003239	.0318	308694655.97
105A747039	Resistor	R554	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87
11E9522650	Capacitor	C518	Telcordia Issue 1	Level I		1.00	0.004447	.0436	224864994.43
1050724034	Resistor	R402	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87
14S5912300	Integrated Circuit	U30	Telcordia Issue 1	Level I		1.00	0.024683	.2421	40513908.68
105A522103	Resistor	R48	Telcordia Issue 1	Level I		1.00	0.002224	.0218	449729988.87
1211100164	Inductor	L5	Telcordia Issue 1	Level I		1.00	0.084495	.8287	11834999.71
1315442010	Integrated Circuit	U17	Telcordia Issue 1	Level I	23.60	1.00	0.276026	2.7071	3622852.00
1315442010	Integrated Circuit	U18	Telcordia Issue 1	Level I		1.00	0.055165	.5410	18127595.98
1315422410	Semiconductor	Q9	Telcordia Issue 1	Level I		1.00	0.077341	.7585	12929824.74

