

AEC-6611

Reliability Prediction Report

(MTBF)

Summary	Failure Rate: 18.160400 ppm MTBF: 55,065 Hours
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Issue date	Approval	Test Engineer
2010/08/26	Jansin Lee	Jessica Chou

Reliability Prediction (MTBF)

I . Model Name: TF-AEC-6611-A3-1010

II . Prediction Date: Aug. 26, 2010

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

IV . Predicted by: Jessica Chou

V . Equipment: Relx Ver.7.3 Visual Reliability Software

VI. Simulation Environment:

- Temperature: 24.9 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:

TF-AEC-6611-A3-1010

- Failure Rate: 18.160400 ppm

- MTBF: 55,065 Hours

AAEON Reliability Prediction Report

Part Number System
Reference Des
Date 08. 26, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.90



Description Top-level assembly
File Name TF-AEC-6611-A3-1010.RPJ
Time 11:06
Failure Rate 18.160400
MTBF 55,065

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
TF-AEC-6611-A3-1010	System	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled	100.00	1.00	18.16	55064.87
PER-C40C	9697C40C12-D	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled		1.00	1.77	564117.94
GENE-9455-B10	96979455B5-D	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled		1.00	16.39	61021.30

AAEON Reliability Prediction Report

Part Number 9697C40C12-D
Reference Des
Date 08. 26, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.90



Description
File Name TF-AEC-6611-A3-1010.RPJ
Time 11:06
Failure Rate 1.772679
MTBF 564,118

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1653205205	Connection	COM1,COM2,COM3, COM4	Telcordia Issue 1	Level I		4.00	0.005660	1.2772	176677168.33
11E9510050	Capacitor	C1,C16,C18,C2,C21	Telcordia Issue 1	Level I		5.00	0.004527	1.2767	220919666.10
1121501691	Capacitor	C10,C11,C12,C13, C17,C19,C20,C22, C23,C24,C25,C26, C27,C28,C29,C3,C30, C31,C32,C33,C34, C35,C36,C37,C38, C39,C4,C40,C41,C42, C5,C6,C7,C9	Telcordia Issue 1	Level I		34.00	0.004527	8.6819	220919666.10
1124427091	Capacitor	C14,C15	Telcordia Issue 1	Level I		2.00	0.004527	.5107	220919666.10
1124410190	Capacitor	C43,C44,C45,C46, C47,C48,C49,C50, C51,C52,C53,C54, C55,C56,C57,C58, C59,C60,C61,C62, C63,C64,C65,C66, C67,C68,C69,C70, C71,C72,C73,C74	Telcordia Issue 1	Level I		32.00	0.004527	8.1712	220919666.10
1315002010	Semiconductor	Q1	Telcordia Issue 1	Level I		1.00	0.079375	4.4777	12598466.22
1315700212	Semiconductor	Q2,Q3,Q4,Q5	Telcordia Issue 1	Level I		4.00	0.079375	17.9107	12598466.22
1540733085	Resistor	RP1,RP2,RP3,RP4, RP5,RP6,RP7,RP8	Telcordia Issue 1	Level I		8.00	0.006217	2.8059	160836724.71
105A701039	Resistor	R1,R10,R11,R13,R14, R16,R17,R18,R24, R25,R3,R31,R32,R4, R5,R6,R7,R8	Telcordia Issue 1	Level I		18.00	0.002263	2.2981	441839332.19
1050547004	Resistor	R9	Telcordia Issue 1	Level I		1.00	0.002263	.1277	441839332.19
105A701059	Resistor	R12	Telcordia Issue 1	Level I		1.00	0.002263	.1277	441839332.19
105A703309	Resistor	R20	Telcordia Issue 1	Level I		1.00	0.002263	.1277	441839332.19
105A704729	Resistor	R21	Telcordia Issue 1	Level I		1.00	0.002263	.1277	441839332.19
105A700009	Resistor	R22,R26	Telcordia Issue 1	Level I		2.00	0.002263	.2553	441839332.19
105A705139	Resistor	R23,R27,R29,R30	Telcordia Issue 1	Level I		4.00	0.002263	.5107	441839332.19
14S9095401	Integrated Circuit	U1	Telcordia Issue 1	Level I		1.00	0.026029	1.4683	38418616.55
14S4324500	Integrated Circuit	U3	Telcordia Issue 1	Level I	34.20	1.00	0.556788	31.4094	1796014.54
14S4324500	Integrated Circuit	U4,U5,U6	Telcordia Issue 1	Level I		3.00	0.058933	9.9736	16968377.18
1231314750	Miscellaneous	Y1	Telcordia Issue 1	Level I		1.00	0.150000	8.4618	6666666.67

AAEON Reliability Prediction Report

Part Number 96979455B5-D
Reference Des
Date 08. 26, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.90



Description
File Name TF-AEC-6611-A3-1010.RPJ
Time 11:06
Failure Rate 16.387721
MTBF 61,021

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1124405090	Capacitor	C232,C233,C234, C235,C236,C237	Telcordia Issue 1	Level I		6.00	0.004527	.1657	220919666.10
11E1501080	Capacitor	C243	Telcordia Issue 1	Level I		1.00	0.004527	.0276	220919666.10
1129622690	Capacitor	C308	Telcordia Issue 1	Level I		1.00	0.004527	.0276	220919666.10
11E1533780	Capacitor	C458	Telcordia Issue 1	Level I		1.00	0.004527	.0276	220919666.10
1129522790	Capacitor	C527,C528,C544	Telcordia Issue 1	Level I		3.00	0.004527	.0829	220919666.10
16515A0996	Connection	DIMM1	Telcordia Issue 1	Level I		1.00	0.113201	.6908	8833858.42
1301005443	Semiconductor	D1,D21,D22,D23,D26, D39	Telcordia Issue 1	Level I		6.00	0.027159	.9944	36819944.35
1300001440	Semiconductor	D2,D3	Telcordia Issue 1	Level I		2.00	0.023812	.2906	41994887.40
1301053040	Semiconductor	D10,D4,D5,D6,D7,D8	Telcordia Issue 1	Level I		6.00	0.023812	.8718	41994887.40
1301003440	Semiconductor	D40,D9	Telcordia Issue 1	Level I		2.00	0.023812	.2906	41994887.40
1304001340	Semiconductor	D11	Telcordia Issue 1	Level I		1.00	0.004832	.0295	206947616.14
1304101340	Semiconductor	D12	Telcordia Issue 1	Level I		1.00	0.004832	.0295	206947616.14
1301005441	Semiconductor	D13,D14,D15	Telcordia Issue 1	Level I		3.00	0.027159	.4972	36819944.35
1301002240	Semiconductor	D16,D17	Telcordia Issue 1	Level I		2.00	0.023812	.2906	41994887.40
1305080040	Semiconductor	D18,D20,D24,D25, D27,D29,D35,D36, D41,D42,D43,D44	Telcordia Issue 1			12.00	0.007937	.5812	125984662.19
1301005442	Semiconductor	D19,D28,D30,D31, D32	Telcordia Issue 1	Level I		5.00	0.023812	.7265	41994887.40
1305099140	Semiconductor	D33,D34	Telcordia Issue 1	Level I		2.00	0.079375	.9687	12598466.22
1300581940	Semiconductor	D37	Telcordia Issue 1	Level I		1.00	0.079375	.4844	12598466.22
1300560040	Integrated Circuit	D38	Telcordia Issue 1	Level I		1.00	0.058933	.3596	16968377.18
1212306030	Inductor	FB1,FB10,FB19,FB23, FB24,FB25,FB26, FB27,FB3,FB31,FB32, FB33,FB34,FB35, FB36,FB37,FB39,FB4, FB40,FB41,FB42,FB6, FB7,FB9	Telcordia Issue 1	Level I		24.00	0.002263	.3315	441839332.19
12123C0007	Inductor	FB2,FB5	Telcordia Issue 1	Level I		2.00	0.002263	.0276	441839332.19
1212306035	Inductor	FB11,FB12,FB13, FB14,FB15,FB16, FB17,FB18,FB43, FB44,FB45	Telcordia Issue 1	Level I		11.00	0.002263	.1519	441839332.19
121230603Z	Inductor	FB20,FB21,FB22	Telcordia Issue 1	Level I		3.00	0.002263	.0414	441839332.19
12123C0006	Inductor	FB28,FB29	Telcordia Issue 1	Level I		2.00	0.002263	.0276	441839332.19
12123B0006	Inductor	FB30	Telcordia Issue 1	Level I		1.00	0.002263	.0138	441839332.19
1752001601	Miscellaneous	FS1,FS2	Telcordia Issue 1	Level I		2.00	0.003000	.0366	33333333.33
121110156A	Inductor	L1,L6	Telcordia Issue 1	Level I		2.00	0.086004	1.0496	11627350.85
121110100P	Inductor	L10,L2	Telcordia Issue 1	Level I		2.00	0.086004	1.0496	11627350.85

AAEON Reliability Prediction Report

Part Number 96979455B5-D
Reference Des
Date 08. 26, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.90



Description
File Name TF-AEC-6611-A3-1010.RPJ
Time 11:06
Failure Rate 16.387721
MTBF 61,021

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A701039	Resistor	R100,R104,R119, R123,R124,R127, R128,R129,R137,R14, R144,R146,R153, R155,R159,R16,R183, R191,R219,R223, R240,R256,R257, R261,R266,R279,R28, R284,R302,R31,R325, R338,R341,R364, R369,R370,R377,R38, R384,R414,R419,R42, R422,R423,R425,	Telcordia Issue 1	Level I		63.00	0.002263	.8701	441839332.19
105A502423	Resistor	R26	Telcordia Issue 1	Level I		1.00	0.002263	.0138	441839332.19
105A700109	Resistor	R27,R32,R37,R47	Telcordia Issue 1	Level I		4.00	0.002263	.0552	441839332.19
105A700103	Resistor	R33	Telcordia Issue 1	Level I		1.00	0.002263	.0138	441839332.19
105A710039	Resistor	R193,R194,R195, R196,R197,R210, R211,R252,R253, R258,R301,R35,R380, R461,R462,R518, R524,R525	Telcordia Issue 1	Level I		18.00	0.002263	.2486	441839332.19
105A580663	Resistor	R36,R43	Telcordia Issue 1	Level I		2.00	0.002263	.0276	441839332.19
1050524904	Resistor	R255,R332,R348, R388,R44,R52	Telcordia Issue 1	Level I		6.00	0.002263	.0829	441839332.19
105A549903	Resistor	R185,R46	Telcordia Issue 1	Level I		2.00	0.002263	.0276	441839332.19
105A705609	Resistor	R102,R103,R106, R107,R110,R111, R337,R431,R433, R434,R437,R449, R459,R48,R56,R59, R62,R63,R67,R68, R71,R72,R78,R79, R83,R84,R85,R87, R88,R91,R92,R94, R95,R98,R99	Telcordia Issue 1	Level I		35.00	0.002263	.4834	441839332.19
105A702229	Resistor	R286,R295,R304, R308,R313,R429,R49, R50,R523,R75,R76, R89	Telcordia Issue 1	Level I		12.00	0.002263	.1657	441839332.19
105A554969	Resistor	R351,R413,R438,R58	Telcordia Issue 1	Level I		4.00	0.002263	.0552	441839332.19
105A708229	Resistor	R324,R371,R373, R375,R378,R379, R385,R401,R407, R411,R443,R74,R81	Telcordia Issue 1	Level I		13.00	0.002263	.1795	441839332.19

AAEON Reliability Prediction Report

Part Number 96979455B5-D
Reference Des
Date 08. 26, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.90

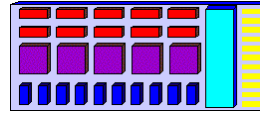


Description
File Name TF-AEC-6611-A3-1010.RPJ
Time 11:06
Failure Rate 16.387721
MTBF 61,021

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A710053	Resistor	R118,R318,R428	Telcordia Issue 1	Level I		3.00	0.013580	.2486	73639888.70
105A506823	Resistor	R125,R126,R275, R309	Telcordia Issue 1	Level I		4.00	0.002263	.0552	441839332.19
105A518223	Resistor	R130	Telcordia Issue 1	Level I		1.00	0.002263	.0138	441839332.19
105A530123	Resistor	R134	Telcordia Issue 1	Level I		1.00	0.002263	.0138	441839332.19
105A501333	Resistor	R135	Telcordia Issue 1	Level I		1.00	0.002263	.0138	441839332.19
105A513033	Resistor	R138,R439	Telcordia Issue 1	Level I		2.00	0.002263	.0276	441839332.19
105A702033	Resistor	R150,R186,R225, R262	Telcordia Issue 1	Level I		4.00	0.002263	.0552	441839332.19
105A701053	Resistor	R151,R233,R402, R486	Telcordia Issue 1	Level I		4.00	0.002263	.0552	441839332.19
105A704763	Resistor	R158,R192,R457	Telcordia Issue 1	Level I		3.00	0.002263	.0414	441839332.19
1059700001	Resistor	R160,R162,R247, R473	Telcordia Issue 1	Level I		4.00	0.002263	.0552	441839332.19
105A510009	Resistor	R161,R173,R180, R282,R317,R350, R356,R405,R421, R467,R468	Telcordia Issue 1	Level I		11.00	0.002263	.1519	441839332.19
105A733009	Resistor	R165,R220,R221, R390	Telcordia Issue 1	Level I		4.00	0.002263	.0552	441839332.19
105A704723	Resistor	R170	Telcordia Issue 1	Level I		1.00	0.002263	.0138	441839332.19
105A704733	Resistor	R175,R184,R202, R205,R206	Telcordia Issue 1	Level I		5.00	0.002263	.0691	441839332.19
105A501633	Resistor	R182	Telcordia Issue 1	Level I		1.00	0.002263	.0138	441839332.19
105A722033	Resistor	R187	Telcordia Issue 1	Level I		1.00	0.002263	.0138	441839332.19
105A549919	Resistor	R190,R200,R290, R495,R496,R499, R500	Telcordia Issue 1	Level I		7.00	0.002263	.0967	441839332.19
105A702433	Resistor	R198	Telcordia Issue 1	Level I		1.00	0.002263	.0138	441839332.19
105A702209	Resistor	R199,R201,R456, R529	Telcordia Issue 1	Level I		4.00	0.002263	.0552	441839332.19
105A703903	Resistor	R208,R506	Telcordia Issue 1	Level I		2.00	0.002263	.0276	441839332.19
105A515009	Resistor	R213,R215,R217, R226,R227,R228, R287,R288,R289, R305,R306,R307, R515,R516,R519, R520,R521,R522	Telcordia Issue 1	Level I		18.00	0.002263	.2486	441839332.19
105A507509	Resistor	R214,R216,R218	Telcordia Issue 1	Level I		3.00	0.002263	.0414	441839332.19
1050547004	Resistor	R222,R235,R347	Telcordia Issue 1	Level I		3.00	0.002263	.0414	441839332.19
105A501233	Resistor	R231	Telcordia Issue 1	Level I		1.00	0.002263	.0138	441839332.19
105A556213	Resistor	R246	Telcordia Issue 1	Level I		1.00	0.002263	.0138	441839332.19
105A501039	Resistor	R271,R283,R285, R291,R293,R296, R297,R298,R321	Telcordia Issue 1	Level I		9.00	0.002263	.1243	441839332.19
105A703909	Resistor	R272,R280,R393, R394,R395,R396, R397,R398,R446	Telcordia Issue 1	Level I		9.00	0.002263	.1243	441839332.19

AAEON Reliability Prediction Report

Part Number 96979455B5-D
Reference Des
Date 08. 26, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.90



Description
File Name TF-AEC-6611-A3-1010.RPJ
Time 11:06
Failure Rate 16.387721
MTBF 61,021

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A503033	Resistor	R274	Telcordia Issue 1	Level I		1.00	0.002263	.0138	441839332.19
105A501523	Resistor	R281	Telcordia Issue 1	Level I		1.00	0.002263	.0138	441839332.19
105A525503	Resistor	R292	Telcordia Issue 1	Level I		1.00	0.002263	.0138	441839332.19
105A705139	Resistor	R319,R320,R328, R329	Telcordia Issue 1	Level I		4.00	0.002263	.0552	441839332.19
105A522103	Resistor	R322,R355,R475	Telcordia Issue 1	Level I		3.00	0.002263	.0414	441839332.19
105A747039	Resistor	R327	Telcordia Issue 1	Level I		1.00	0.002263	.0138	441839332.19
105A500139	Resistor	R346,R368,R389, R420,R430,R464, R465,R466,R469, R470,R472	Telcordia Issue 1	Level I		11.00	0.002263	.1519	441839332.19
105A520003	Resistor	R357	Telcordia Issue 1	Level I		1.00	0.002263	.0138	441839332.19
105A733033	Resistor	R403	Telcordia Issue 1	Level I		1.00	0.002263	.0138	441839332.19
105A527463	Resistor	R409,R435	Telcordia Issue 1	Level I		2.00	0.002263	.0276	441839332.19
105A500239	Resistor	R424,R471,R479	Telcordia Issue 1	Level I		3.00	0.002263	.0414	441839332.19
105A514014	Resistor	R427	Telcordia Issue 1	Level I		1.00	0.002263	.0138	441839332.19
105A522663	Resistor	R444	Telcordia Issue 1	Level I		1.00	0.002263	.0138	441839332.19
105A706809	Resistor	R455	Telcordia Issue 1	Level I		1.00	0.002263	.0138	441839332.19
105A701539	Resistor	R481	Telcordia Issue 1	Level I		1.00	0.002263	.0138	441839332.19
105A502033	Resistor	R492	Telcordia Issue 1	Level I		1.00	0.002263	.0138	441839332.19
105A533223	Resistor	R497	Telcordia Issue 1	Level I		1.00	0.002263	.0138	441839332.19
105A560423	Resistor	R501	Telcordia Issue 1	Level I		1.00	0.002263	.0138	441839332.19
105A705133	Resistor	R508	Telcordia Issue 1	Level I		1.00	0.002263	.0138	441839332.19
1189622850	Capacitor	TC12,TC15,TC18,TC2, TC21,TC22,TC3,TC5	Telcordia Issue 1	Level I		8.00	0.004527	.2210	220919666.10
1189615151	Capacitor	TC19,TC28,TC31, TC32,TC4,TC6,TC7	Telcordia Issue 1	Level I		7.00	0.004527	.1934	220919666.10
1189633160	Capacitor	TC11,TC16,TC20	Telcordia Issue 1	Level I		3.00	0.004527	.0829	220919666.10
1189647180	Capacitor	TC14,TC17,TC26, TC27	Telcordia Issue 1	Level I		4.00	0.004527	.1105	220919666.10
1189633184	Capacitor	TC23,TC25	Telcordia Issue 1	Level I		2.00	0.004527	.0552	220919666.10
14S5A12503	Integrated Circuit	U1,U40	Telcordia Issue 1	Level I		2.00	0.058933	.7192	16968377.18
14S2048800	Integrated Circuit	U2	Telcordia Issue 1	Level I		1.00	0.031767	.1938	31479651.13
14S5A73200	Integrated Circuit	U3	Telcordia Issue 1	Level I		1.00	0.026029	.1588	38418616.55
1315662210	Semiconductor	U4	Telcordia Issue 1	Level I		1.00	0.079375	.4844	12598466.22
1315889611	Semiconductor	U52	Telcordia Issue 1	Level I	36.40	1.00	0.201749	1.2311	4956644.86
1315889611	Semiconductor	U5	Telcordia Issue 1	Level I		1.00	0.079375	.4844	12598466.22
14S4878100	Integrated Circuit	U6	Telcordia Issue 1	Level I		1.00	0.026029	.1588	38418616.55
14S6340222	Integrated Circuit	U9	Telcordia Issue 1	Level I		1.00	0.022776	.1390	43906493.83
14S4294503	Integrated Circuit	U10	Telcordia Issue 1	Level I	32.90	1.00	0.148723	.9075	6723920.48

AAEON Reliability Prediction Report

Part Number 96979455B5-D
Reference Des
Date 08. 26, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.90



Description
File Name TF-AEC-6611-A3-1010.RPJ
Time 11:06
Failure Rate 16.387721
MTBF 61,021

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
14S5A00821	Integrated Circuit	U11,U60	Telcordia Issue 1	Level I		2.00	0.026029	.3177	38418616.55
14S3050100	Integrated Circuit	U12	Telcordia Issue 1	Level I	41.30	1.00	0.838528	5.1168	1192566.14
1315970211	Semiconductor	U13,U17,U25	Telcordia Issue 1	Level I		3.00	0.158749	2.9061	6299233.11
14S428010D	Integrated Circuit	U14	Telcordia Issue 1	Level I	40.30	1.00	0.210058	1.2818	4760585.44
14S4160020	Integrated Circuit	U15	Telcordia Issue 1	Level I	24.50	1.00	0.098584	.6016	10143609.49
14S2041500	Integrated Circuit	U16	Telcordia Issue 1	Level I		1.00	0.058933	.3596	16968377.18
14S2045400	Integrated Circuit	U20	Telcordia Issue 1	Level I		1.00	0.058933	.3596	16968377.18
14S3524701	Integrated Circuit	U21	Telcordia Issue 1	Level I		1.00	0.058933	.3596	16968377.18
14S1564201	Integrated Circuit	U22	Telcordia Issue 1	Level I	32.90	1.00	0.515589	3.1462	1939529.88
14S4825740	Integrated Circuit	U24	Telcordia Issue 1	Level I	39.10	1.00	0.198824	1.2133	5029573.06
14S4825740	Integrated Circuit	U23	Telcordia Issue 1	Level I	38.80	1.00	0.196099	1.1966	5099475.07
1315446310	Semiconductor	U26	Telcordia Issue 1	Level I	32.70	1.00	0.185227	1.1303	5398777.06
1315446310	Semiconductor	U27	Telcordia Issue 1	Level I		1.00	0.079375	.4844	12598466.22
1315667910	Semiconductor	U28,U34	Telcordia Issue 1	Level I		2.00	0.158749	1.9374	6299233.11
14S2200900	Integrated Circuit	U29	Telcordia Issue 1	Level I	29.20	1.00	0.412883	2.5195	2421993.19
14S5A12506	Integrated Circuit	U30	Telcordia Issue 1	Level I		1.00	0.026029	.1588	38418616.55
1315662810	Semiconductor	U31	Telcordia Issue 1	Level I		1.00	0.079375	.4844	12598466.22
14S4048503	Integrated Circuit	U32,U35	Telcordia Issue 1	Level I		2.00	0.058933	.7192	16968377.18
14S4021301	Integrated Circuit	U36,U41,U42,U46	Telcordia Issue 1	Level I		4.00	0.058933	1.4385	16968377.18
14S3128421	Integrated Circuit	U37	Telcordia Issue 1	Level I		1.00	0.058933	.3596	16968377.18
14S5A00700	Integrated Circuit	U38	Telcordia Issue 1	Level I		1.00	0.025097	.1531	39845032.76
14S5A00601	Integrated Circuit	U39	Telcordia Issue 1	Level I		1.00	0.026029	.1588	38418616.55
14S9811500	Integrated Circuit	U44	Telcordia Issue 1	Level I		1.00	0.058933	.3596	16968377.18
14S5912300	Integrated Circuit	U45	Telcordia Issue 1	Level I		1.00	0.026029	.1588	38418616.55
14S2591200	Integrated Circuit	U47	Telcordia Issue 1	Level I		1.00	0.058933	.3596	16968377.18
14S4195710	Integrated Circuit	U49	Telcordia Issue 1	Level I		1.00	0.058933	.3596	16968377.18
1315494410	Semiconductor	U50,U51	Telcordia Issue 1	Level I		2.00	0.079375	.9687	12598466.22
14S3524700	Integrated Circuit	U53	Telcordia Issue 1	Level I		1.00	0.058933	.3596	16968377.18
1315668012	Semiconductor	U54	Telcordia Issue 1	Level I		1.00	0.023812	.1453	41994887.40
1315669000	Semiconductor	U56,U57,U58,U59	Telcordia Issue 1	Level I		4.00	0.079375	1.9374	12598466.22
123131435B	Miscellaneous	Y1	Telcordia Issue 1	Level I		1.00	0.150000	.9153	6666666.67
1231332721	Miscellaneous	Y2	Telcordia Issue 1	Level I		1.00	0.150000	.9153	6666666.67
1231325058	Miscellaneous	Y4,Y5	Telcordia Issue 1	Level I		2.00	0.150000	1.8306	6666666.67
11E2510060	Capacitor	C157,C210,C525, C534	Telcordia Issue 1	Level I		4.00	0.004527	.1105	220919666.10
105A519123	Resistor	R502	Telcordia Issue 1	Level I		1.00	0.002263	.0138	441839332.19
121110226E	Inductor	L8	Telcordia Issue 1	Level I	35.20	1.00	0.159441	.9729	6271911.33

