

AEC-6511

Reliability Prediction Report

(MTBF)

Summary	Failure Rate: 14.968280 ppm MTBF: 66,808 Hours
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Issue date	Approval	Test Engineer
2012/07/03	Tom Lin	Jessica Chou

Reliability Prediction (MTBF)

I . Model Name: TF-AEC-6511-A1-1010

II . Prediction Date: Jun. 3, 2012

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: 25 degrees C
- Standard: Telcordia (Bellcore) Standard

VII. Term and Definition:

- Unit : An assembly of device.
- Duty Cycle : Used in 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 in 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-6511-A1-1010:

- Failure Rate: 14.968280ppm

- MTBF: 66,808 Hours

AAEON Reliability Prediction Report

Part Number System
Reference Des
Date 07. 3, 2012
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00

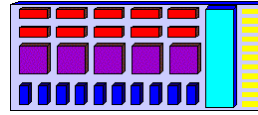


Description Top-level assembly
File Name TF-AEC-6511-A1-1010.RPJ
Time 14:13
Failure Rate 14.968280
MTBF 66,808

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
TF-AEC-6511-A1-1010	System	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled	100.00	1.00	14.97	66807.94
ASS'Y GENE-9455 Rev.B1.0	96979455BM-D	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled	100.00	1.00	14.97	66807.94

AAEON Reliability Prediction Report

Part Number 96979455BM-D
Reference Des
Date 07. 3, 2012
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description
File Name TF-AEC-6511-A1-1010.RPJ
Time 14:13
Failure Rate 14.968280
MTBF 66,808

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	0.004535	.1818	220487045.01
11E1501080	Capacitor	C243	Telcordia Issue 1	Level I		1.00	0.004535	.0303	220487045.01
1129622690	Capacitor	C308	Telcordia Issue 1	Level I		1.00	0.004535	.0303	220487045.01
11E1533780	Capacitor	C458	Telcordia Issue 1	Level I		1.00	0.004535	.0303	220487045.01
1129522790	Capacitor	C527,C528,C544	Telcordia Issue 1	Level I		3.00	0.004535	.0909	220487045.01
16515A0996	Connection	DIMM1	Telcordia Issue 1	Level I		1.00	0.113794	.7602	8787802.71
1301005443	Semiconductor	D1,D21,D22,D23,D26, D39	Telcordia Issue 1	Level I		6.00	0.027212	1.0908	36747840.84
1301053040	Semiconductor	D10,D4,D5,D6,D7,D8	Telcordia Issue 1	Level I		6.00	0.023881	.9573	41874327.58
1301003440	Semiconductor	D40,D9	Telcordia Issue 1	Level I		2.00	0.023881	.3191	41874327.58
1304001340	Semiconductor	D11	Telcordia Issue 1	Level I		1.00	0.004877	.0326	205063180.81
1304101340	Semiconductor	D12	Telcordia Issue 1	Level I		1.00	0.004877	.0326	205063180.81
1301005441	Semiconductor	D13,D14,D15	Telcordia Issue 1	Level I		3.00	0.027212	.5454	36747840.84
1301002240	Semiconductor	D16,D17	Telcordia Issue 1	Level I		2.00	0.023881	.3191	41874327.58
1305080040	Semiconductor	D18,D20,D24,D25, D27,D29,D35,D36, D41,D42,D43,D44	Telcordia Issue 1	Level I		12.00	0.023881	1.9145	41874327.58
1301005442	Semiconductor	D19,D28,D30,D31, D32	Telcordia Issue 1	Level I		5.00	0.023881	.7977	41874327.58
1305099140	Semiconductor	D33,D34	Telcordia Issue 1	Level I		2.00	0.079603	1.0636	12562298.27
1300581940	Semiconductor	D37	Telcordia Issue 1	Level I		1.00	0.079603	.5318	12562298.27
1300560040	Integrated Circuit	D38	Telcordia Issue 1	Level I		1.00	0.059366	.3966	16844654.92
1212306030	Resistor	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	0.011379	1.8246	87878027.07
12123C0007	Inductor	FB2,FB5	Telcordia Issue 1	Level I		2.00	0.002268	.0303	440974090.03
1212306035	Inductor	FB11,FB12,FB13, FB14,FB15,FB16, FB17,FB18,FB43, FB44,FB45	Telcordia Issue 1	Level I		11.00	0.002268	.1667	440974090.03
121230603Z	Inductor	FB20,FB21,FB22	Telcordia Issue 1	Level I		3.00	0.002268	.0455	440974090.03
12123C0006	Inductor	FB28,FB29	Telcordia Issue 1	Level I		2.00	0.002268	.0303	440974090.03
12123B0006	Inductor	FB30	Telcordia Issue 1	Level I		1.00	0.002268	.0152	440974090.03
1752001601	Miscellaneous	FS1,FS2	Telcordia Issue 1	Level I		2.00	0.003000	.0401	33333333.33
121110156A	Inductor	L1,L6	Telcordia Issue 1	Level I		2.00	0.086173	1.1514	11604581.32
121110100P	Inductor	L10,L2	Telcordia Issue 1	Level I		2.00	0.086173	1.1514	11604581.32
1211100102	Inductor	L11,L3	Telcordia Issue 1	Level I		2.00	0.086173	1.1514	11604581.32

AAEON Reliability Prediction Report

Part Number 96979455BM-D
Reference Des
Date 07. 3, 2012
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description
File Name TF-AEC-6511-A1-1010.RPJ
Time 14:13
Failure Rate 14.968280
MTBF 66,808

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	0.002268	.9545	440974090.03
105A502423	Resistor	R26	Telcordia Issue 1	Level I		1.00	0.002268	.0152	440974090.03
105A700109	Resistor	R27,R32,R37,R47	Telcordia Issue 1	Level I		4.00	0.002268	.0606	440974090.03
105A700103	Resistor	R33	Telcordia Issue 1	Level I		1.00	0.002268	.0152	440974090.03
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	0.002268	.2727	440974090.03
105A580663	Resistor	R36,R43	Telcordia Issue 1	Level I		2.00	0.002268	.0303	440974090.03
1050524904	Resistor	R255,R332,R348, R388,R44,R52	Telcordia Issue 1	Level I		6.00	0.002268	.0909	440974090.03
105A549903	Resistor	R185,R46	Telcordia Issue 1	Level I		2.00	0.002268	.0303	440974090.03
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	0.002268	.5303	440974090.03
105A702229	Resistor	R286,R295,R304, R308,R313,R429,R49, R50,R523,R75,R76, R89	Telcordia Issue 1	Level I		12.00	0.002268	.1818	440974090.03
105A554969	Resistor	R351,R413,R438,R58	Telcordia Issue 1	Level I		4.00	0.002268	.0606	440974090.03
105A708229	Resistor	R324,R371,R373, R375,R378,R379, R385,R401,R407, R411,R443,R74,R81	Telcordia Issue 1	Level I		13.00	0.002268	.1970	440974090.03

AAEON Reliability Prediction Report

Part Number 96979455BM-D
Reference Des
Date 07. 3, 2012
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description
File Name TF-AEC-6511-A1-1010.RPJ
Time 14:13
Failure Rate 14.968280
MTBF 66,808

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	0.013606	.2727	73495681.67
105A506823	Resistor	R125,R126,R275, R309	Telcordia Issue 1	Level I		4.00	0.002268	.0606	440974090.03
105A518223	Resistor	R130	Telcordia Issue 1	Level I		1.00	0.002268	.0152	440974090.03
105A530123	Resistor	R134	Telcordia Issue 1	Level I		1.00	0.002268	.0152	440974090.03
105A501333	Resistor	R135	Telcordia Issue 1	Level I		1.00	0.002268	.0152	440974090.03
105A513033	Resistor	R138,R439	Telcordia Issue 1	Level I		2.00	0.002268	.0303	440974090.03
105A702033	Resistor	R150,R186,R225, R262	Telcordia Issue 1	Level I		4.00	0.002268	.0606	440974090.03
105A701053	Resistor	R151,R233,R402, R486	Telcordia Issue 1	Level I		4.00	0.002268	.0606	440974090.03
105A704763	Resistor	R158,R192,R457	Telcordia Issue 1	Level I		3.00	0.002268	.0455	440974090.03
1059700001	Resistor	R160,R162,R247, R473	Telcordia Issue 1	Level I		4.00	0.002268	.0606	440974090.03
105A510009	Resistor	R161,R173,R180, R282,R317,R350, R356,R405,R421, R467,R468	Telcordia Issue 1	Level I		11.00	0.002268	.1667	440974090.03
105A733009	Resistor	R165,R220,R221, R390	Telcordia Issue 1	Level I		4.00	0.002268	.0606	440974090.03
105A704723	Resistor	R170	Telcordia Issue 1	Level I		1.00	0.002268	.0152	440974090.03
105A704733	Resistor	R175,R184,R202, R205,R206	Telcordia Issue 1	Level I		5.00	0.002268	.0758	440974090.03
105A501633	Resistor	R182	Telcordia Issue 1	Level I		1.00	0.002268	.0152	440974090.03
105A722033	Resistor	R187	Telcordia Issue 1	Level I		1.00	0.002268	.0152	440974090.03
105A549919	Resistor	R190,R200,R290, R495,R496,R499, R500	Telcordia Issue 1	Level I		7.00	0.002268	.1061	440974090.03
105A702433	Resistor	R198	Telcordia Issue 1	Level I		1.00	0.002268	.0152	440974090.03
105A702209	Resistor	R199,R201,R456, R529	Telcordia Issue 1	Level I		4.00	0.002268	.0606	440974090.03
105A703903	Resistor	R208,R506	Telcordia Issue 1	Level I		2.00	0.002268	.0303	440974090.03
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	0.002268	.2727	440974090.03
105A507509	Resistor	R214,R216,R218	Telcordia Issue 1	Level I		3.00	0.002268	.0455	440974090.03
1050547004	Resistor	R222,R235,R347	Telcordia Issue 1	Level I		3.00	0.002268	.0455	440974090.03
105A501233	Resistor	R231	Telcordia Issue 1	Level I		1.00	0.002268	.0152	440974090.03
105A556213	Resistor	R246	Telcordia Issue 1	Level I		1.00	0.002268	.0152	440974090.03
105A501039	Resistor	R271,R283,R285, R291,R293,R296, R297,R298,R321	Telcordia Issue 1	Level I		9.00	0.002268	.1364	440974090.03
105A703909	Resistor	R272,R280,R393, R394,R395,R396, R397,R398,R446	Telcordia Issue 1	Level I		9.00	0.002268	.1364	440974090.03

AAEON Reliability Prediction Report

Part Number 96979455BM-D
Reference Des
Date 07. 3, 2012
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description
File Name TF-AEC-6511-A1-1010.RPJ
Time 14:13
Failure Rate 14.968280
MTBF 66,808

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	0.002268	.0152	440974090.03
105A501523	Resistor	R281	Telcordia Issue 1	Level I		1.00	0.002268	.0152	440974090.03
105A525503	Resistor	R292	Telcordia Issue 1	Level I		1.00	0.002268	.0152	440974090.03
105A705139	Resistor	R319,R320,R328, R329	Telcordia Issue 1	Level I		4.00	0.002268	.0606	440974090.03
105A522103	Resistor	R322,R355,R475	Telcordia Issue 1	Level I		3.00	0.002268	.0455	440974090.03
105A747039	Resistor	R327	Telcordia Issue 1	Level I		1.00	0.002268	.0152	440974090.03
105A500139	Resistor	R346,R368,R389, R420,R430,R464, R465,R466,R469, R470,R472	Telcordia Issue 1	Level I		11.00	0.002268	.1667	440974090.03
105A520003	Resistor	R357	Telcordia Issue 1	Level I		1.00	0.002268	.0152	440974090.03
105A733033	Resistor	R403	Telcordia Issue 1	Level I		1.00	0.002268	.0152	440974090.03
105A527463	Resistor	R409,R435	Telcordia Issue 1	Level I		2.00	0.002268	.0303	440974090.03
105A500239	Resistor	R424,R471,R479	Telcordia Issue 1	Level I		3.00	0.002268	.0455	440974090.03
105A514014	Resistor	R427	Telcordia Issue 1	Level I		1.00	0.002268	.0152	440974090.03
105A522663	Resistor	R444	Telcordia Issue 1	Level I		1.00	0.002268	.0152	440974090.03
105A706809	Resistor	R455	Telcordia Issue 1	Level I		1.00	0.002268	.0152	440974090.03
105A701539	Resistor	R481	Telcordia Issue 1	Level I		1.00	0.002268	.0152	440974090.03
105A502033	Resistor	R492	Telcordia Issue 1	Level I		1.00	0.002268	.0152	440974090.03
105A533223	Resistor	R497	Telcordia Issue 1	Level I		1.00	0.002268	.0152	440974090.03
105A560423	Resistor	R501	Telcordia Issue 1	Level I		1.00	0.002268	.0152	440974090.03
105A705133	Resistor	R508	Telcordia Issue 1	Level I		1.00	0.002268	.0152	440974090.03
1189622850	Capacitor	TC12,TC15,TC18,TC2, TC21,TC22,TC3,TC5	Telcordia Issue 1	Level I		8.00	0.004535	.2424	220487045.01
1189615151	Capacitor	TC19,TC28,TC31, TC32,TC4,TC6,TC7	Telcordia Issue 1	Level I		7.00	0.004535	.2121	220487045.01
1189633160	Capacitor	TC11,TC16,TC20	Telcordia Issue 1	Level I		3.00	0.004535	.0909	220487045.01
1189647180	Capacitor	TC14,TC17,TC26, TC27	Telcordia Issue 1	Level I		4.00	0.004535	.1212	220487045.01
1189633184	Capacitor	TC23,TC25	Telcordia Issue 1	Level I		2.00	0.004535	.0606	220487045.01
14S5A12503	Integrated Circuit	U1,U40	Telcordia Issue 1	Level I		2.00	0.059366	.7932	16844654.92
14S2048800	Integrated Circuit	U2	Telcordia Issue 1	Level I		1.00	0.032000	.2138	31250122.20
14S5A73200	Integrated Circuit	U3	Telcordia Issue 1	Level I		1.00	0.026183	.1749	38193355.79
1315662210	Semiconductor	U4	Telcordia Issue 1	Level I		1.00	0.079603	.5318	12562298.27
1315889611	Semiconductor	U5,U52	Telcordia Issue 1	Level I		2.00	0.079603	1.0636	12562298.27
14S4878100	Integrated Circuit	U6	Telcordia Issue 1	Level I		1.00	0.026183	.1749	38193355.79
14S4294503	Integrated Circuit	U10	Telcordia Issue 1	Level I	32.50	1.00	0.146607	.9795	6820933.68
14S5A00821	Integrated Circuit	U11,U60	Telcordia Issue 1	Level I		2.00	0.026183	.3498	38193355.79
14S3050100	Integrated Circuit	U12	Telcordia Issue 1	Level I	36.60	1.00	0.644416	4.3052	1551792.84

AAEON Reliability Prediction Report

Part Number 96979455BM-D
Reference Des
Date 07. 3, 2012
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00

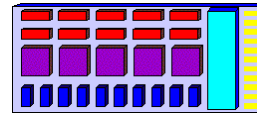


Description
File Name TF-AEC-6511-A1-1010.RPJ
Time 14:13
Failure Rate 14.968280
MTBF 66,808

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1315970211	Semiconductor	U13,U17,U25	Telcordia Issue 1	Level I		3.00	0.159207	3.1909	6281149.14
14S428010D	Integrated Circuit	U14	Telcordia Issue 1	Level I	29.60	1.00	0.127477	.8516	7844576.69
14S4160020	Integrated Circuit	U15	Telcordia Issue 1	Level I	30.10	1.00	0.130610	.8726	7656371.31
14S2041500	Integrated Circuit	U16	Telcordia Issue 1	Level I		1.00	0.059366	.3966	16844654.92
14S2045400	Integrated Circuit	U20	Telcordia Issue 1	Level I		1.00	0.059366	.3966	16844654.92
14S3524701	Integrated Circuit	U21	Telcordia Issue 1	Level I		1.00	0.059366	.3966	16844654.92
14S1564201	Integrated Circuit	U22	Telcordia Issue 1	Level I		1.00	0.059366	.3966	16844654.92
1315446310	Semiconductor	U26,U27	Telcordia Issue 1	Level I		2.00	0.079603	1.0636	12562298.27
1315667910	Semiconductor	U28,U34	Telcordia Issue 1	Level I		2.00	0.159207	2.1273	6281149.14
14S2200900	Integrated Circuit	U29	Telcordia Issue 1	Level I	28.30	1.00	0.393260	2.6273	2542847.53
14S5A12506	Integrated Circuit	U30	Telcordia Issue 1	Level I		1.00	0.026183	.1749	38193355.79
1315662810	Semiconductor	U31	Telcordia Issue 1	Level I		1.00	0.079603	.5318	12562298.27
14S4048503	Integrated Circuit	U32,U35	Telcordia Issue 1	Level I		2.00	0.059366	.7932	16844654.92
14S4021301	Integrated Circuit	U36,U42	Telcordia Issue 1	Level I		2.00	0.059366	.7932	16844654.92
14S5A00700	Integrated Circuit	U38	Telcordia Issue 1	Level I		1.00	0.026183	.1749	38193355.79
14S5A00601	Integrated Circuit	U39	Telcordia Issue 1	Level I		1.00	0.026183	.1749	38193355.79
14S9811500	Integrated Circuit	U44	Telcordia Issue 1	Level I		1.00	0.059366	.3966	16844654.92
14S5912300	Integrated Circuit	U45	Telcordia Issue 1	Level I		1.00	0.026183	.1749	38193355.79
14S2591200	Integrated Circuit	U47	Telcordia Issue 1	Level I		1.00	0.059366	.3966	16844654.92
14S4195710	Integrated Circuit	U49	Telcordia Issue 1	Level I		1.00	0.059366	.3966	16844654.92
14S3524700	Integrated Circuit	U53	Telcordia Issue 1	Level I		1.00	0.059366	.3966	16844654.92
1315668012	Semiconductor	U54	Telcordia Issue 1	Level I		1.00	0.023881	.1595	41874327.58
1315669000	Semiconductor	U56,U57,U58,U59	Telcordia Issue 1	Level I		4.00	0.079603	2.1273	12562298.27
123131435B	Miscellaneous	Y1,Y3	Telcordia Issue 1	Level I		2.00	0.150000	2.0042	6666666.67
1231332721	Miscellaneous	Y2	Telcordia Issue 1	Level I		1.00	0.150000	1.0021	6666666.67
1231325058	Miscellaneous	Y4	Telcordia Issue 1	Level I		1.00	0.150000	1.0021	6666666.67
11E2510060	Capacitor	C157,C210,C525, C534	Telcordia Issue 1	Level I		4.00	0.004535	.1212	220487045.01
1654926900	Connection	CN32B	Telcordia Issue 1	Level I		1.00	0.029586	.1977	33799241.18
105A519123	Resistor	R502	Telcordia Issue 1	Level I		1.00	0.002268	.0152	440974090.03
121110226E	Inductor	L8	Telcordia Issue 1	Level I		1.00	0.086173	.5757	11604581.32
14S4650601	Integrated Circuit	U33	Telcordia Issue 1	Level I		1.00	0.059366	.3966	16844654.92
1315700310	Semiconductor	Q1	Telcordia Issue 1	Level I		1.00	0.079603	.5318	12562298.27
1212306033	Inductor	FB38	Telcordia Issue 1	Level I		1.00	0.002268	.0152	440974090.03
1189633193	Capacitor	TC1,TC10,TC13,TC29, TC30,TC9	Telcordia Issue 1	Level I		6.00	0.004535	.1818	220487045.01
11E9622050	Capacitor	C159,C341,C342, C461,C478,C480, C483	Telcordia Issue 1	Level I		7.00	0.004535	.2121	220487045.01

AAEON Reliability Prediction Report

Part Number 96979455BM-D
Reference Des
Date 07. 3, 2012
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description
File Name TF-AEC-6511-A1-1010.RPJ
Time 14:13
Failure Rate 14.968280
MTBF 66,808

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
14S6308002	Integrated Circuit	U18,U19	Telcordia Issue 1	Level I		2.00	0.035882	.4794	27868824.73
14S634022E	Integrated Circuit	U9	Telcordia Issue 1	Level I		1.00	0.026372	.1762	37918485.54
1315493200	Semiconductor	U50,U51	Telcordia Issue 1	Level I		2.00	0.000000	.0000	.00
1654226303	Connection	CN32A	Telcordia Issue 1	Level I		1.00	0.001138	.0076	878780270.71
1301005444	Semiconductor	D2,D3	Telcordia Issue 1	Level I		2.00	0.023881	.3191	41874327.58
1655306020	Connection	CN25	Telcordia Issue 1	Level I		1.00	0.003414	.0228	292926756.90
1655902030	Connection	BAT1	Telcordia Issue 1	Level I		1.00	0.001138	.0076	878780270.71
175011901C	Miscellaneous	BAT1	Telcordia Issue 1	Level I		1.00	0.900000	6.0127	1111111.11
1655003022	Connection	CN1	Telcordia Issue 1	Level I		1.00	0.001707	.0114	585853513.81
1655909031	Connection	CN5	Telcordia Issue 1	Level I		1.00	0.005121	.0342	195284504.60
1655905032	Connection	CN14,CN15	Telcordia Issue 1	Level I		2.00	0.022759	.3041	43939013.54
165320520L	Connection	CN17	Telcordia Issue 1	Level I		1.00	0.005690	.0380	175756054.14
1654907006	Connection	CN20	Telcordia Issue 1	Level I		1.00	0.003983	.0266	251080077.35
1652602105	Connection	CN21	Telcordia Issue 1	Level I		1.00	0.001138	.0076	878780270.71
1655003010	Connection	CN28	Telcordia Issue 1	Level I		1.00	0.001707	.0114	585853513.81
1181627191	Capacitor	EC1	Telcordia Issue 1	Level I		1.00	0.004535	.0303	220487045.01
175910000B	Miscellaneous	SP1	Telcordia Issue 1	Level I		1.00	0.150000	1.0021	6666666.67
1654415305	Connection	CN30	Telcordia Issue 1	Level I		1.00	0.008535	.0570	117170702.76
1655302020	Connection	CN27	Telcordia Issue 1	Level I		1.00	0.001138	.0076	878780270.71
1654409103	Connection	CN31	Telcordia Issue 1	Level I		1.00	0.128018	.8553	7811380.18