

# PICO-CV01

## Reliability Prediction Report (MTBF)

Summary	Failure Rate: 10.422173 ppm MTBF: 95,949 Hours
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Issue date	Approval	Test Engineer
2012/07/12	Tom Lin	Jessica Chou

# Reliability Prediction (MTBF)

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**I . Model Name:** PICO-CV01 (9697CV0104-D)

**II . Prediction Date:** Jul 12, 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 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:**

PICO-CV01 (9697CV0104-D):

- Failure Rate: 10.422173 ppm

- MTBF: 95,949 Hours

### AAEON Reliability Prediction Report

**Part Number** 9697CV0104-D  
**Reference Des**  
**Date** 07. 12, 2012  
**Environment** GF, GU - Ground Fixed, Uncontrolled  
**Temp. (°C)** 25.00



**Description** Top-level assembly  
**File Name** PICO-CV01.RPJ  
**Time** 15:23  
**Failure Rate** 10.422173  
**MTBF** 95,949

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
PICO-CV01	9697CV0104-D	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled	100.00	1.00	10.42	95949.28

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Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1214309008	Inductor	CH1,CH2,CH3,CH8, CH9	Telcordia Issue 1	Level I		5.00	0.002268	.1088	440974090.03
1214309009	Inductor	CH4,CH5,CH6,CH7	Telcordia Issue 1	Level I		4.00	0.002268	.0870	440974090.03
1653212100	Connection	CN10	Telcordia Issue 1	Level I		1.00	0.006828	.0655	146463378.45
1654020004	Connection	CN15	Telcordia Issue 1	Level I		1.00	0.011379	.1092	87878027.07
1654919304	Connection	CN17	Telcordia Issue 1	Level I		1.00	0.001138	.0109	878780270.71
1124547190	Capacitor	C1,C213,C214,C231, C271,C279	Telcordia Issue 1	Level I		6.00	0.004535	.2611	220487045.01
1129701791	Capacitor	C10,C158,C159,C160, C161,C165,C2,C21, C226,C254,C255, C351,C352,C355, C356,C38,C39,C43, C45	Telcordia Issue 1	Level I		19.00	0.004535	.8268	220487045.01
1121501691	Capacitor	C100,C102,C104, C105,C106,C107, C108,C109,C11,C110, C111,C112,C116, C117,C118,C119,C12, C120,C124,C14,C140, C142,C143,C145, C147,C15,C152,C153, C154,C16,C162,C163, C164,C166,C168, C170,C172,C189, C190,C194,C199,C20, C200,C201,C203,	Telcordia Issue 1	Level I		119.00	0.004535	5.1785	220487045.01
11E1510050	Capacitor	C155,C175,C176, C258,C260,C330, C343,C344,C9,C91	Telcordia Issue 1	Level I		10.00	0.004535	.4352	220487045.01
1124427091	Capacitor	C13,C18,C227,C228, C236,C243,C50,C54, C55	Telcordia Issue 1	Level I		9.00	0.004535	.3917	220487045.01
11E9610080	Capacitor	C113,C114,C128, C129,C134,C135, C136,C17,C177,C197, C208,C217,C222, C232,C235,C253, C261,C262,C263, C291,C310,C342,C36, C48,C51,C60,C67, C73,C80,C84,C95, C96	Telcordia Issue 1	Level I		32.00	0.004535	1.3925	220487045.01
11E2522060	Capacitor	C131,C186,C19,C336, C53	Telcordia Issue 1	Level I		5.00	0.004535	.2176	220487045.01
11E9510050	Capacitor	C133,C156,C157, C205,C206,C230,C24, C293	Telcordia Issue 1	Level I		8.00	0.004535	.3481	220487045.01

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Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1124410191	Capacitor	C26,C27,C273,C29, C31,C33,C348,C349, C35,C77	Telcordia Issue 1	Level I		10.00	0.004535	.4352	220487045.01
11E9622080	Capacitor	C103,C138,C141, C149,C150,C181, C247,C259,C280, C286,C287,C288, C315,C333,C37,C92	Telcordia Issue 1	Level I		16.00	0.004535	.6963	220487045.01
11E9501091	Capacitor	C121,C122,C125, C126,C127,C130, C169,C174,C178, C179,C182,C183, C187,C188,C191, C193,C195,C196, C198,C202,C209, C210,C211,C212, C215,C216,C218, C220,C224,C268, C278,C282,C285, C289,C292,C294, C295,C296,C297,	Telcordia Issue 1	Level I		61.00	0.004535	2.6545	220487045.01
1129622690	Capacitor	C115,C139,C277, C318,C322,C325, C327,C334,C346,C56, C93	Telcordia Issue 1	Level I		11.00	0.004535	.4787	220487045.01
1124418090	Capacitor	C184,C192,C57,C58	Telcordia Issue 1	Level I		4.00	0.004535	.1741	220487045.01
11E1522680	Capacitor	C63,C71	Telcordia Issue 1	Level I		2.00	0.004535	.0870	220487045.01
11C4522290	Capacitor	C123,C332,C353,C65	Telcordia Issue 1	Level I		4.00	0.004535	.1741	220487045.01
1129710391	Capacitor	C132	Telcordia Issue 1	Level I		1.00	0.004535	.0435	220487045.01
11E2501080	Capacitor	C137	Telcordia Issue 1	Level I		1.00	0.004535	.0435	220487045.01
1122701680	Capacitor	C144,C347	Telcordia Issue 1	Level I		2.00	0.004535	.0870	220487045.01
11E2601050	Capacitor	C148	Telcordia Issue 1	Level I		1.00	0.004535	.0435	220487045.01
11E9647680	Capacitor	C173,C283,C284, C300	Telcordia Issue 1	Level I		4.00	0.004535	.1741	220487045.01
1129710091	Capacitor	C180,C256,C264, C275	Telcordia Issue 1	Level I		4.00	0.004535	.1741	220487045.01
11C2510480	Capacitor	C185	Telcordia Issue 1	Level I		1.00	0.004535	.0435	220487045.01
1124533280	Capacitor	C241,C281	Telcordia Issue 1	Level I		2.00	0.004535	.0870	220487045.01
11E9722090	Capacitor	C251,C257,C269	Telcordia Issue 1	Level I		3.00	0.004535	.1306	220487045.01
1129522790	Capacitor	C265,C266,C267	Telcordia Issue 1	Level I		3.00	0.004535	.1306	220487045.01
1124533190	Capacitor	C324	Telcordia Issue 1	Level I		1.00	0.004535	.0435	220487045.01
16515A2990	Connection	DIMM1	Telcordia Issue 1	Level I		1.00	0.001138	.0109	878780270.71
1301005444	Semiconductor	D1,D13,D20,D21,D22	Telcordia Issue 1	Level I		5.00	0.023881	1.1457	41874327.58
1304300140	Semiconductor	D2	Telcordia Issue 1	Level I		1.00	0.004877	.0468	205063180.81

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**Failure Rate** 10.422173  
**MTBF** 95,949

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1301005443	Semiconductor	D3	Telcordia Issue 1	Level I		1.00	0.027212	.2611	36747840.84
1305080040	Semiconductor	D10,D11,D12,D16, D17,D18,D19,D26, D28,D29,D30,D31, D33,D4,D5,D6,D7,D8, D9	Telcordia Issue 1	Level I		19.00	0.023881	4.3536	41874327.58
1304001340	Semiconductor	D14	Telcordia Issue 1	Level I		1.00	0.004877	.0468	205063180.81
1304101340	Semiconductor	D15	Telcordia Issue 1	Level I		1.00	0.004877	.0468	205063180.81
1309009940	Semiconductor	D23,D24	Telcordia Issue 1	Level I		2.00	0.079603	1.5276	12562298.27
1301053040	Semiconductor	D27	Telcordia Issue 1	Level I		1.00	0.023881	.2291	41874327.58
1212306030	Resistor	FB1,FB11,FB16,FB18, FB19,FB2,FB20,FB22, FB25,FB28,FB3,FB30, FB31,FB4,FB5,FB6, FB7,FB8,FB9	Telcordia Issue 1	Level I		19.00	0.011379	2.0745	87878027.07
1212306035	Inductor	FB10,FB12,FB13, FB14,FB15,FB17, FB21,FB23,FB26	Telcordia Issue 1	Level I		9.00	0.002268	.1958	440974090.03
1212306031	Inductor	FB24	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
1212308054	Resistor	FB27,FB29	Telcordia Issue 1	Level I		2.00	0.011379	.2184	87878027.07
1752000501	Miscellaneous	FS1	Telcordia Issue 1	Level I		1.00	0.003000	.0288	333333333.33
1752001601	Miscellaneous	FS2	Telcordia Issue 1	Level I		1.00	0.003000	.0288	333333333.33
121110156M	Inductor	L1	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
121110156M	Inductor	L5	Telcordia Issue 1	Level I	34.30	1.00	0.004143	.0398	241349009.79
121110156F	Inductor	L2	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
121110226H	Inductor	L3	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
121110336W	Inductor	L4	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
121110476Q	Inductor	L6	Telcordia Issue 1	Level I		1.00	0.086173	.8268	11604581.32
1211100113	Inductor	L7,L8,L9	Telcordia Issue 1	Level I		3.00	0.002268	.0653	440974090.03
1211100160	Inductor	L10	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
1654226303	Connection	PCIE1A	Telcordia Issue 1	Level I		1.00	0.001138	.0109	878780270.71
1654926900	Connection	PCIE1B	Telcordia Issue 1	Level I		1.00	0.029586	.2839	33799241.18
1315762010	Semiconductor	Q1,Q11,Q18,Q32	Telcordia Issue 1	Level I		4.00	0.000000	.0000	.00
1315700216	Semiconductor	Q16,Q19,Q2,Q20,Q22, Q23,Q27,Q28,Q3,Q30, Q31,Q33,Q35,Q37, Q38,Q39,Q40,Q41, Q44,Q5,Q8	Telcordia Issue 1	Level I		21.00	0.079603	16.0395	12562298.27
1315446310	Semiconductor	Q4	Telcordia Issue 1	Level I		1.00	0.079603	.7638	12562298.27
1310390413	Semiconductor	Q12,Q13,Q14,Q25, Q26,Q6	Telcordia Issue 1	Level I		6.00	0.023881	1.3748	41874327.58
1315443710	Semiconductor	Q7	Telcordia Issue 1	Level I		1.00	0.000000	.0000	.00





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**Temp. (°C)** 25.00



**Description** Top-level assembly  
**File Name** PICO-CV01.RPJ  
**Time** 15:23  
**Failure Rate** 10.422173  
**MTBF** 95,949

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A701039	Resistor	R10,R101,R114,R133, R172,R255,R260, R262,R265,R278, R301,R302,R305, R317,R327,R338, R348,R359,R362, R364,R365,R366, R369,R409,R414, R430,R44,R458,R46, R472,R474,R479, R488,R489,R503,R53, R8,R84,R85,R88,R89	Telcordia Issue 1	Level I		41.00	0.002268	.8921	440974090.03
105A700009	Resistor	R103,R104,R105, R106,R107,R108, R109,R110,R111, R112,R113,R117, R118,R12,R127,R130, R137,R150,R156, R159,R160,R167, R169,R178,R195, R206,R21,R210,R226, R25,R269,R291,R313, R316,R318,R346, R351,R360,R363, R380,R407,R408,	Telcordia Issue 1	Level I		73.00	0.002268	1.5884	440974090.03
105A708229	Resistor	R15,R17,R27,R28, R308,R331,R54,R56, R57,R58,R59,R60	Telcordia Issue 1	Level I		12.00	0.002268	.2611	440974090.03
1050590964	Resistor	R16,R19,R24,R33	Telcordia Issue 1	Level I		4.00	0.002268	.0870	440974090.03
105A524919	Resistor	R18,R470	Telcordia Issue 1	Level I		2.00	0.002268	.0435	440974090.03
105A503309	Resistor	R22,R234,R285,R287, R29,R324,R392	Telcordia Issue 1	Level I		7.00	0.002268	.1523	440974090.03
105A502039	Resistor	R26,R290,R333,R493	Telcordia Issue 1	Level I		4.00	0.002268	.0870	440974090.03
1050756004	Resistor	R30,R31,R312	Telcordia Issue 1	Level I		3.00	0.002268	.0653	440974090.03
105A705629	Resistor	R40	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
105A522669	Resistor	R179,R43	Telcordia Issue 1	Level I		2.00	0.002268	.0435	440974090.03
105A701059	Resistor	R102,R158,R227, R283,R50,R94	Telcordia Issue 1	Level I		6.00	0.002268	.1306	440974090.03
1050703334	Resistor	R141,R378,R61	Telcordia Issue 1	Level I		3.00	0.002268	.0653	440974090.03
1050539264	Resistor	R344,R345,R73,R81, R83,R87	Telcordia Issue 1	Level I		6.00	0.002268	.1306	440974090.03
105A704709	Resistor	R298,R304,R78	Telcordia Issue 1	Level I		3.00	0.002268	.0653	440974090.03
105A515009	Resistor	R377,R382,R391,R96, R97,R98	Telcordia Issue 1	Level I		6.00	0.002268	.1306	440974090.03

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105A568103	Resistor	R99	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
1050510034	Resistor	R189,R221,R240, R281,R483	Telcordia Issue 1	Level I		5.00	0.002268	.1088	440974090.03
105A500139	Resistor	R115,R193,R194, R197,R198,R202, R230,R231,R320, R326	Telcordia Issue 1	Level I		10.00	0.002268	.2176	440974090.03
1050531614	Resistor	R116,R188	Telcordia Issue 1	Level I		2.00	0.002268	.0435	440974090.03
105A501039	Resistor	R120,R121,R152, R153,R157,R174, R199,R216,R270, R358,R394,R396, R420,R460,R466	Telcordia Issue 1	Level I		15.00	0.002268	.3264	440974090.03
105A510009	Resistor	R122,R176,R177, R224,R332,R384, R435,R436,R440, R441,R465	Telcordia Issue 1	Level I		11.00	0.002268	.2393	440974090.03
105A507509	Resistor	R123,R379,R385, R400	Telcordia Issue 1	Level I		4.00	0.002268	.0870	440974090.03
105A505109	Resistor	R124,R125,R126, R398,R399,R425	Telcordia Issue 1	Level I		6.00	0.002268	.1306	440974090.03
105A702229	Resistor	R128,R142,R151, R218,R219,R300, R311,R322,R334, R355,R368,R376, R405,R410,R417, R428,R447,R494, R495,R496,R497	Telcordia Issue 1	Level I		21.00	0.002268	.4569	440974090.03
105A710039	Resistor	R100,R129,R181, R182,R200,R222, R223,R258,R279, R337,R403,R413, R481,R506	Telcordia Issue 1	Level I		14.00	0.002268	.3046	440974090.03
105A702263	Resistor	R131,R232,R237, R401,R469,R500	Telcordia Issue 1	Level I		6.00	0.002268	.1306	440974090.03
105A551119	Resistor	R429	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
1050513034	Resistor	R136,R148,R166	Telcordia Issue 1	Level I		3.00	0.002268	.0653	440974090.03
1050505134	Resistor	R139,R140,R155	Telcordia Issue 1	Level I		3.00	0.002268	.0653	440974090.03
105A700003	Resistor	R144,R162,R191, R192,R228,R238, R256,R282,R284, R310,R402,R404, R431,R484	Telcordia Issue 1	Level I		14.00	0.002268	.3046	440974090.03
1050522114	Resistor	R146	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
1050511009	Resistor	R154,R383	Telcordia Issue 1	Level I		2.00	0.002268	.0435	440974090.03
105A553629	Resistor	R163,R211	Telcordia Issue 1	Level I		2.00	0.002268	.0435	440974090.03
1050507524	Resistor	R164,R397,R461	Telcordia Issue 1	Level I		3.00	0.002268	.0653	440974090.03

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105A512039	Resistor	R165	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
105A704739	Resistor	R168	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
1050512104	Resistor	R170	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
105A500239	Resistor	R175,R354,R393, R438	Telcordia Issue 1	Level I		4.00	0.002268	.0870	440974090.03
105A533269	Resistor	R180	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
105A527403	Resistor	R183	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
1050501004	Resistor	R186,R187,R319	Telcordia Issue 1	Level I		3.00	0.002268	.0653	440974090.03
105A501413	Resistor	R196	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
105A733009	Resistor	R208,R225,R235, R236,R246	Telcordia Issue 1	Level I		5.00	0.002268	.1088	440974090.03
1050505124	Resistor	R209,R329,R335	Telcordia Issue 1	Level I		3.00	0.002268	.0653	440974090.03
105A747039	Resistor	R212	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
1050524004	Resistor	R229	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
105A501539	Resistor	R247,R459	Telcordia Issue 1	Level I		2.00	0.002268	.0435	440974090.03
1050569824	Resistor	R257	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
105A597613	Resistor	R261	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
105A739039	Resistor	R280	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
105A722003	Resistor	R286,R456	Telcordia Issue 1	Level I		2.00	0.002268	.0435	440974090.03
105A560469	Resistor	R289,R296	Telcordia Issue 1	Level I		2.00	0.002268	.0435	440974090.03
105A701069	Resistor	R294	Telcordia Issue 1	Level I		1.00	0.013606	.1306	73495681.67
105A703909	Resistor	R372,R373	Telcordia Issue 1	Level I		2.00	0.002268	.0435	440974090.03
105A523713	Resistor	R390	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
1050504764	Resistor	R401	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
105A549969	Resistor	R416,R424	Telcordia Issue 1	Level I		2.00	0.002268	.0435	440974090.03
1050503934	Resistor	R419	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
105A562034	Resistor	R422	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
105A515034	Resistor	R423,R482	Telcordia Issue 1	Level I		2.00	0.002268	.0435	440974090.03
1050504724	Resistor	R446	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
105A556269	Resistor	R449	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
105A702269	Resistor	R457	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
1050568034	Resistor	R467	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
1189922181	Capacitor	TC1	Telcordia Issue 1	Level I		1.00	0.004535	.0435	220487045.01
1189622154	Capacitor	TC17,TC2,TC3,TC4, TC5	Telcordia Issue 1	Level I		5.00	0.004535	.2176	220487045.01
1189622153	Capacitor	TC12,TC6	Telcordia Issue 1	Level I		2.00	0.004535	.0870	220487045.01
1181610180	Capacitor	TC7	Telcordia Issue 1	Level I		1.00	0.004535	.0435	220487045.01
1189615151	Capacitor	TC10,TC13,TC15,TC8, TC9	Telcordia Issue 1	Level I		5.00	0.004535	.2176	220487045.01
1189610192	Capacitor	TC11	Telcordia Issue 1	Level I		1.00	0.004535	.0435	220487045.01

**AAEON Reliability Prediction Report**

**Part Number** 9697CV0104-D  
**Reference Des**  
**Date** 07. 12, 2012  
**Environment** GF, GU - Ground Fixed, Uncontrolled  
**Temp. (°C)** 25.00



**Description** Top-level assembly  
**File Name** PICO-CV01.RPJ  
**Time** 15:23  
**Failure Rate** 10.422173  
**MTBF** 95,949

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
118961018A	Capacitor	TC14	Telcordia Issue 1	Level I		1.00	0.004535	.0435	220487045.01
1189610153	Capacitor	TC16	Telcordia Issue 1	Level I		1.00	0.004535	.0435	220487045.01
14S4021301	Integrated Circuit	U2	Telcordia Issue 1	Level I		1.00	0.059366	.5696	16844654.92
14S4001000	Integrated Circuit	U3	Telcordia Issue 1	Level I	29.80	1.00	0.128722	1.2351	7768676.30
14S3066200	Integrated Circuit	U4	Telcordia Issue 1	Level I	29.60	1.00	0.425590	4.0835	2349677.33
14S4180100	Integrated Circuit	U5	Telcordia Issue 1	Level I		1.00	0.059366	.5696	16844654.92
14S6203204	Integrated Circuit	U6	Telcordia Issue 1	Level I		1.00	0.026183	.2512	38193355.79
14S3973100	Integrated Circuit	U7	Telcordia Issue 1	Level I		1.00	0.059366	.5696	16844654.92
14S3433900	Integrated Circuit	U8	Telcordia Issue 1	Level I		1.00	0.059366	.5696	16844654.92
14S4160001	Integrated Circuit	U9	Telcordia Issue 1	Level I	31.30	1.00	0.138407	1.3280	7225068.65
14S3816700	Integrated Circuit	U10	Telcordia Issue 1	Level I		1.00	0.026183	.2512	38193355.79
14S3063400	Integrated Circuit	U11	Telcordia Issue 1	Level I		1.00	0.059366	.5696	16844654.92
14S5912300	Integrated Circuit	U12	Telcordia Issue 1	Level I		1.00	0.026183	.2512	38193355.79
14S4081110	Integrated Circuit	U13	Telcordia Issue 1	Level I		1.00	0.059366	.5696	16844654.92
14S5A00821	Integrated Circuit	U14,U20,U25,U34	Telcordia Issue 1	Level I		4.00	0.026183	1.0049	38193355.79
14S9811500	Integrated Circuit	U15	Telcordia Issue 1	Level I		1.00	0.059366	.5696	16844654.92
14S9341101	Integrated Circuit	U16	Telcordia Issue 1	Level I	28.90	1.00	0.123200	1.1821	8116873.66
14S4195710	Integrated Circuit	U17	Telcordia Issue 1	Level I		1.00	0.059366	.5696	16844654.92
14S3524700	Integrated Circuit	U19	Telcordia Issue 1	Level I		1.00	0.059366	.5696	16844654.92
14S3121600	Integrated Circuit	U21	Telcordia Issue 1	Level I		1.00	0.032000	.3070	31250122.20
14S4811102	Integrated Circuit	U22	Telcordia Issue 1	Level I		1.00	0.026183	.2512	38193355.79
14S2321900	Semiconductor	U23	Telcordia Issue 1	Level I		1.00	0.000000	.0000	.00
14S5A01402	Integrated Circuit	U26	Telcordia Issue 1	Level I		1.00	0.026183	.2512	38193355.79
1315970211	Semiconductor	U27,U29,U31	Telcordia Issue 1	Level I		3.00	0.159207	4.5827	6281149.14
14S2204200	Integrated Circuit	U28	Telcordia Issue 1	Level I		1.00	0.059366	.5696	16844654.92
14S2200900	Integrated Circuit	U30	Telcordia Issue 1	Level I		1.00	0.059366	.5696	16844654.92
14S4814380	Integrated Circuit	U35	Telcordia Issue 1	Level I		1.00	0.059366	.5696	16844654.92
1231332722	Miscellaneous	Y1	Telcordia Issue 1	Level I		1.00	0.150000	1.4392	6666666.67
123132505D	Miscellaneous	Y2,Y4	Telcordia Issue 1	Level I		2.00	0.150000	2.8785	6666666.67
1231327053	Miscellaneous	Y3	Telcordia Issue 1	Level I		1.00	0.150000	1.4392	6666666.67
14S5A00704	Integrated Circuit	U18	Telcordia Issue 1	Level I		1.00	0.026183	.2512	38193355.79
1050524924	Resistor	R207	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
1050512114	Resistor	R395	Telcordia Issue 1	Level I		1.00	0.002268	.0218	440974090.03
11C4515190	Capacitor	C59	Telcordia Issue 1	Level I		1.00	0.004535	.0435	220487045.01
1655902030	Connection	BAT1A,CN8	Telcordia Issue 1	Level I		2.00	0.001138	.0218	878780270.71
175011901M	Miscellaneous	BAT1B	Telcordia Issue 1	Level I		1.00	0.900000	8.6354	1111111.11

