

# FWS-2300

## Reliability Prediction Report

### (MTBF)

Summary	Failure Rate: 14.128073 ppm MTBF: 70,781 Hours
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Issue date	Approval	Test Engineer
2010/06/10	Jansin Lee	Jessica Chou

## Reliability Prediction (MTBF)

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**I . Model Name:** TF-FWS-2300-A10-00

**II . Prediction Date:** Jun. 10, 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: 25.1 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-FWS-2300-A10-00 (Not include Adapter, Power supply, FAN)

- Failure Rate: 14.128073 ppm
- MTBF: 70,781 Hours

Below components MTBF value were provided by the suppliers:

- Adapter - (TF)Adaptor.100/240V.12V/8A.96W.FSP.FSP096-AHA.for FWS-2300  
MTBF: > 100,000 hours
- Power supply - (TF)SPS.ATX DC 12V.130W.FSP.FSP130-5DD01.for FWS-2300  
MTBF: 50,000 hours
- FAN - (TF)FAN.12V.40\*40\*20.SUNON.KDE1204PKV1-MS.AF.GN  
MTTF: 606,120 hours

### AAEON Reliability Prediction Report

**Part Number** System  
**Reference Des**  
**Date** 05. 27, 2010  
**Environment** GF, GU - Ground Fixed, Uncontrolled  
**Temp. (°C)** 25.10

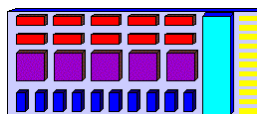


**Description** Top-level assembly  
**File Name** TF-FWS-2300-A10-00.RPJ  
**Time** 9:19 上午  
**Failure Rate** 14.128073  
**MTBF** 70,781

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
TF-FWS-2300-A10-00	System	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled	100.00	1.00	14.13	70781.06

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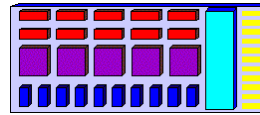


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**File Name** TF-FWS-2300-A10-00.RPJ  
**Time** 9:19 上午  
**Failure Rate** 14.128073  
**MTBF** 70,781

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
11C2539290	Capacitor	C10,C5,C58,C59,C60, C61,C7,C8	Telcordia Issue 1	Level I		8.00	0.004544	.2573	220055560.52
105A549963	Resistor	R263,R264,R265, R266,R267,R268, R269,R270,R273, R274,R275,R276, R277,R278,R279, R280,R317,R318, R319,R320,R321, R322,R323,R324, R326,R327,R328, R329,R330,R331, R332,R333	Telcordia Issue 1	Level I		32.00	0.002272	.5146	440111121.05
1121501690	Capacitor	BC10,BC100,BC101, BC102,BC103,BC107, BC110,BC111,BC116, BC117,BC118,BC119, BC120,BC121,BC122, BC123,BC124,BC125, BC126,BC127,BC128, BC129,BC13,BC130, BC131,BC132,BC133, BC134,BC135,BC136, BC137,BC138,BC139, BC14,BC140,BC141, BC142,BC143,BC1	Telcordia Issue 1	Level I		298.00	0.004544	9.5852	220055560.52
1122601680	Capacitor	BC104,BC105,BC106, BC108,BC109,BC112, BC113,BC114,BC115, BC20,BC29	Telcordia Issue 1	Level I		11.00	0.004544	.3538	220055560.52
1124522290	Capacitor	C44	Telcordia Issue 1	Level I		1.00	0.004544	.0322	220055560.52
1124427190	Capacitor	C18	Telcordia Issue 1	Level I		1.00	0.004544	.0322	220055560.52
175910000A	Miscellaneous	BZ1	Telcordia Issue 1	Level I		1.00	0.150000	1.0617	6666666.67
1653925216	Connection	CFD1	Telcordia Issue 1	Level I		1.00	0.028598	.2024	34968071.08
1174518180	Capacitor	CP5,CP6,CP7,CP8	Telcordia Issue 1	Level I		4.00	0.005469	.1548	182842274.63
1189922180	Capacitor	C1,C100,C101,C105, C22,C24,C6	Telcordia Issue 1	Level I		7.00	0.004544	.2252	220055560.52
1124522881	Capacitor	C89	Telcordia Issue 1	Level I		1.00	0.004544	.0322	220055560.52
1121701080	Capacitor	C106,C118,C14,C141, C142,C143,C144, C147,C20,C35,C39, C4,C52,C54,C77,C78, C79,C80,C81,C90	Telcordia Issue 1	Level I		20.00	0.004544	.6433	220055560.52
1124422080	Capacitor	C84,C87,C9,C92	Telcordia Issue 1	Level I		4.00	0.005469	.1548	182842274.63
1121647480	Capacitor	C11,C184,C96	Telcordia Issue 1	Level I		3.00	0.004544	.0965	220055560.52

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1121722780	Capacitor	C12,C19	Telcordia Issue 1	Level I		2.00	0.004544	.0643	220055560.52
1122501780	Capacitor	C13,C159,C182,C31, C74,C76,C97	Telcordia Issue 1	Level I		7.00	0.004544	.2252	220055560.52
1189615187	Capacitor	C99	Telcordia Issue 1	Level I		1.00	0.004544	.0322	220055560.52
1129722680	Capacitor	C120,C130,C132, C136,C137,C138, C139,C140,C16,C29, C45,C46,C47,C48, C49,C50	Telcordia Issue 1	Level I		16.00	0.004544	.5146	220055560.52
1129647650	Capacitor	C17,C193,C98	Telcordia Issue 1	Level I		3.00	0.004544	.0965	220055560.52
1124447080	Capacitor	C25,C26,C27,C28	Telcordia Issue 1	Level I		4.00	0.005469	.1548	182842274.63
1124727380	Capacitor	C36	Telcordia Issue 1	Level I		1.00	0.004544	.0322	220055560.52
1121533480	Capacitor	C37	Telcordia Issue 1	Level I		1.00	0.004544	.0322	220055560.52
1129747650	Capacitor	C146,C38,C53,C55	Telcordia Issue 1	Level I		4.00	0.005469	.1548	182842274.63
1124556180	Capacitor	C40	Telcordia Issue 1	Level I		1.00	0.004544	.0322	220055560.52
1124518280	Capacitor	C42	Telcordia Issue 1	Level I		1.00	0.004544	.0322	220055560.52
1124515880	Capacitor	C43	Telcordia Issue 1	Level I		1.00	0.004544	.0322	220055560.52
1124527080	Capacitor	C66,C68,C72,C73	Telcordia Issue 1	Level I		4.00	0.004544	.1287	220055560.52
1129722060	Capacitor	C69	Telcordia Issue 1	Level I		1.00	0.004544	.0322	220055560.52
1124547180	Capacitor	C117,C189,C190, C191,C192,C82	Telcordia Issue 1	Level I		6.00	0.004544	.1930	220055560.52
1122710080	Capacitor	C83,C85,C86,C88, C91,C93	Telcordia Issue 1	Level I		6.00	0.005469	.2323	182842274.63
1189633162	Capacitor	C104,C109,C110,C15	Telcordia Issue 1	Level I		4.00	0.004544	.1287	220055560.52
1129715090	Capacitor	C107,C108	Telcordia Issue 1	Level I		2.00	0.004544	.0643	220055560.52
1124412080	Capacitor	C148	Telcordia Issue 1	Level I		1.00	0.004544	.0322	220055560.52
1124510280	Capacitor	C149,C150,C151, C152,C153,C154, C155,C156,C161, C162,C163,C164, C165,C166,C167, C168,C23,C57,C64	Telcordia Issue 1	Level I		19.00	0.004544	.6111	220055560.52
1129610260	Capacitor	C178,C179,C187, C188	Telcordia Issue 1	Level I		4.00	0.004544	.1287	220055560.52
16515A099B	Connection	DIMM1	Telcordia Issue 1	Level I		1.00	0.114390	.8097	8742017.77
16515A099C	Connection	DIMM2	Telcordia Issue 1	Level I		1.00	0.114390	.8097	8742017.77
1300414844	Semiconductor	D1,D10,D2,D5	Telcordia Issue 1	Level I		4.00	0.023950	.6781	41754194.40
1300001440	Semiconductor	D3,D4	Telcordia Issue 1	Level I		2.00	0.023950	.3390	41754194.40
1301003440	Semiconductor	D6	Telcordia Issue 1	Level I		1.00	0.023950	.1695	41754194.40
1301005444	Semiconductor	D12,D13,D7,D8	Telcordia Issue 1	Level I		4.00	0.023950	.6781	41754194.40
1300581940	Semiconductor	D9	Telcordia Issue 1	Level I		1.00	0.079832	.5651	12526258.32
1300283540	Semiconductor	D11	Telcordia Issue 1	Level I		1.00	0.023950	.1695	41754194.40
121230603Z	Inductor	FB20	Telcordia Issue 1	Level I		1.00	0.002272	.0161	440111121.05







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**Temp. (°C)** 25.10



**Description** Top-level assembly  
**File Name** TF-FWS-2300-A10-00.RPJ  
**Time** 9:19 上午  
**Failure Rate** 14.128073  
**MTBF** 70,781

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A515009	Resistor	R35,R36,R37,R38, R39,R487	Telcordia Issue 1	Level I		6.00	0.002272	.0965	44011121.05
105A704723	Resistor	R100,R112,R113, R122,R123,R227, R251,R289,R40,R41, R42,R43,R638,R639, R714,R99,RS2(1-2), RS3(1-2),RS4(1-2)	Telcordia Issue 1	Level I		19.00	0.002272	.3056	44011121.05
105A524963	Resistor	R111,R44,R52,R584, R76	Telcordia Issue 1	Level I		5.00	0.002272	.0804	44011121.05
105A501033	Resistor	R136,R46,R511,R513, R854,R934	Telcordia Issue 1	Level I		6.00	0.002272	.0965	44011121.05
105A700009	Resistor	R121,R243,R244, R392,R393,R394, R395,R396,R397, R398,R399,R404, R405,R406,R407, R408,R409,R410, R411,R416,R417, R418,R419,R420, R421,R422,R423, R428,R429,R430, R431,R432,R433, R434,R435,R47,R50, R502,R523,R525,	Telcordia Issue 1	Level I		56.00	0.002272	.9006	44011121.05
105A510003	Resistor	R200,R201,R204,R48, R49,R636,R872	Telcordia Issue 1	Level I		7.00	0.002272	.1126	44011121.05
105A554963	Resistor	R131,R507,R51,R65, R84	Telcordia Issue 1	Level I		5.00	0.002272	.0804	44011121.05
105A510009	Resistor	R195,R508,R53,R587, R71	Telcordia Issue 1	Level I		5.00	0.002272	.0804	44011121.05
105A522103	Resistor	R54,R72	Telcordia Issue 1	Level I		2.00	0.002272	.0322	44011121.05
105A756033	Resistor	R293,R359,R60	Telcordia Issue 1	Level I		3.00	0.002272	.0482	44011121.05
105A747033	Resistor	R307,R364,R61	Telcordia Issue 1	Level I		3.00	0.002272	.0482	44011121.05
105A700103	Resistor	R126,R158,R62	Telcordia Issue 1	Level I		3.00	0.002272	.0482	44011121.05
105A718033	Resistor	R64	Telcordia Issue 1	Level I		1.00	0.002272	.0161	44011121.05
105A705603	Resistor	R114,R504,R527,R73	Telcordia Issue 1	Level I		4.00	0.002272	.0643	44011121.05
105A702033	Resistor	R191,R192,R222,R74	Telcordia Issue 1	Level I		4.00	0.002272	.0643	44011121.05
105A702263	Resistor	R206,R77,R89	Telcordia Issue 1	Level I		3.00	0.002272	.0482	44011121.05
105A539263	Resistor	R83	Telcordia Issue 1	Level I		1.00	0.002272	.0161	44011121.05
105A715009	Resistor	R81,R86	Telcordia Issue 1	Level I		2.00	0.002272	.0322	44011121.05

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105A708229	Resistor	R103,R105,R109, R110,R146,R153,R24, R360,R520,R521, R524,R536,R546, R547,R560,R567, R596,R603,R87,R88	Telcordia Issue 1	Level I		20.00	0.002272	.3217	440111121.05
105A568003	Resistor	R90	Telcordia Issue 1	Level I		1.00	0.002272	.0161	440111121.05
105A527463	Resistor	R130,R506,R91	Telcordia Issue 1	Level I		3.00	0.002272	.0482	440111121.05
105A501039	Resistor	R353,R354,R355, R356,R357,R358, R550,R598,R601, R604,R656,R657,R94, R95	Telcordia Issue 1	Level I		14.00	0.002272	.2252	440111121.05
105A700139	Resistor	R101,R548,R559, R796,R797,R798, R836,R97	Telcordia Issue 1	Level I		8.00	0.002272	.1287	440111121.05
105A705609	Resistor	R102,R607,R608, R609,R610,R611, R612,R613,R614, R615,R616,R617, R618,R619,R620, R624,R625,R626, R627,R628,R629, R630,R631,R632, R633,R634,R635, R642,R643,R644, R645,R646,R647, R648,R649,R650, R651,R652,R653,	Telcordia Issue 1	Level I		53.00	0.002272	.8524	440111121.05
105A710009	Resistor	R106,R107,R108, R514,R519,R544	Telcordia Issue 1	Level I		6.00	0.002272	.0965	440111121.05
105A500233	Resistor	R128,R259,R705, R788	Telcordia Issue 1	Level I		4.00	0.002272	.0643	440111121.05
105A500133	Resistor	R129,R260,R380, R467,R722,R856, R930	Telcordia Issue 1	Level I		7.00	0.002272	.1126	440111121.05
105A701059	Resistor	R138,R857	Telcordia Issue 1	Level I		2.00	0.002272	.0322	440111121.05
1050512164	Resistor	R141,R144	Telcordia Issue 1	Level I		2.00	0.002272	.0322	440111121.05
1059700001	Resistor	R142	Telcordia Issue 1	Level I		1.00	0.002272	.0161	440111121.05
105A510033	Resistor	R149	Telcordia Issue 1	Level I		1.00	0.002272	.0161	440111121.05
105A501223	Resistor	R151	Telcordia Issue 1	Level I		1.00	0.002272	.0161	440111121.05
105A506823	Resistor	R154,R350,R352	Telcordia Issue 1	Level I		3.00	0.002272	.0482	440111121.05
105A520033	Resistor	R160	Telcordia Issue 1	Level I		1.00	0.002272	.0161	440111121.05
105A507533	Resistor	R166	Telcordia Issue 1	Level I		1.00	0.002272	.0161	440111121.05
105A532413	Resistor	R167	Telcordia Issue 1	Level I		1.00	0.002272	.0161	440111121.05

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105A513723	Resistor	R171	Telcordia Issue 1	Level I		1.00	0.002272	.0161	44011121.05
105A554923	Resistor	R174	Telcordia Issue 1	Level I		1.00	0.002272	.0161	44011121.05
105A545323	Resistor	R175	Telcordia Issue 1	Level I		1.00	0.002272	.0161	44011121.05
105A708223	Resistor	R177,R181	Telcordia Issue 1	Level I		2.00	0.002272	.0322	44011121.05
105A703303	Resistor	R186,R187,R188, R189,R196,R197, R198,R199,R312, R313,R314,R676, R677,R692,R693	Telcordia Issue 1	Level I		15.00	0.002272	.2412	44011121.05
105A522663	Resistor	R190	Telcordia Issue 1	Level I		1.00	0.002272	.0161	44011121.05
105A701033	Resistor	R207,R211,R215, R225,R235,R362, R363,R374,R542, R678,R723,R750, R754,R766,R777, R779,R786,R791, R808,R817,R818	Telcordia Issue 1	Level I		21.00	0.002272	.3377	44011121.05
105A720003	Resistor	R116,R209,R212, R717,R734	Telcordia Issue 1	Level I		5.00	0.002272	.0804	44011121.05
105A503323	Resistor	R236	Telcordia Issue 1	Level I		1.00	0.002272	.0161	44011121.05
105A549913	Resistor	R237,R298,R302, R497,R718,R720, R721	Telcordia Issue 1	Level I		7.00	0.002272	.1126	44011121.05
105A704703	Resistor	R239,R241,R246, R249,R282,R285, R287,R290	Telcordia Issue 1	Level I		8.00	0.002272	.1287	44011121.05
105A702223	Resistor	R240,R284,R292, R381,R731,R760, R814,R815,R833	Telcordia Issue 1	Level I		9.00	0.002272	.1447	44011121.05
105A549969	Resistor	R561,R565,R566, R568,R569,R571, R573,R575,R578, R580,R582,R586, R588,R591,R593, R595,R597,R600, R602,R605,R606, R623	Telcordia Issue 1	Level I		22.00	0.002272	.3538	44011121.05
105A534003	Resistor	R283	Telcordia Issue 1	Level I		1.00	0.002272	.0161	44011121.05
105A515003	Resistor	R286,R470,R477, R479	Telcordia Issue 1	Level I		4.00	0.002272	.0643	44011121.05
105A710003	Resistor	R315,R384,R385, R674,R686,R688, R746,R772	Telcordia Issue 1	Level I		8.00	0.002272	.1287	44011121.05
105A503033	Resistor	R351	Telcordia Issue 1	Level I		1.00	0.002272	.0161	44011121.05
105A715003	Resistor	R365	Telcordia Issue 1	Level I		1.00	0.002272	.0161	44011121.05
105A703323	Resistor	R372,R383,RS6(1-2), RS7(1-2),RS8(1-2)	Telcordia Issue 1	Level I		5.00	0.002272	.0804	44011121.05

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**Temp. (°C)** 25.10



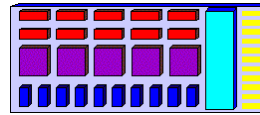
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**Failure Rate** 14.128073  
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105A701523	Resistor	R373,R495,R928	Telcordia Issue 1	Level I		3.00	0.002272	.0482	44011121.05
105A701009	Resistor	R376,R377	Telcordia Issue 1	Level I		2.00	0.002272	.0322	44011121.05
105A702203	Resistor	R464	Telcordia Issue 1	Level I		1.00	0.002272	.0161	44011121.05
105A701003	Resistor	R475,R699,R735, R789,R790	Telcordia Issue 1	Level I		5.00	0.002272	.0804	44011121.05
105A703903	Resistor	R480,R483,R484, R488	Telcordia Issue 1	Level I		4.00	0.002272	.0643	44011121.05
105A702229	Resistor	R481,R482,R485, R486,R498,R499	Telcordia Issue 1	Level I		6.00	0.002272	.0965	44011121.05
105A525503	Resistor	R496	Telcordia Issue 1	Level I		1.00	0.002272	.0161	44011121.05
105A520003	Resistor	R503,R505	Telcordia Issue 1	Level I		2.00	0.002272	.0322	44011121.05
105A580663	Resistor	R515,R516	Telcordia Issue 1	Level I		2.00	0.002272	.0322	44011121.05
105A540263	Resistor	R517,R518	Telcordia Issue 1	Level I		2.00	0.002272	.0322	44011121.05
105A507503	Resistor	R528,R931,R932, R933	Telcordia Issue 1	Level I		4.00	0.002272	.0643	44011121.05
105A504763	Resistor	R532,R534	Telcordia Issue 1	Level I		2.00	0.002272	.0322	44011121.05
105A710053	Resistor	R535	Telcordia Issue 1	Level I		1.00	0.013633	.0965	73351853.51
105A701053	Resistor	R537	Telcordia Issue 1	Level I		1.00	0.002272	.0161	44011121.05
105A704729	Resistor	R22,R55,R56,R577, R858,R861,R862, R866	Telcordia Issue 1	Level I		8.00	0.002272	.1287	44011121.05
105A547503	Resistor	R583	Telcordia Issue 1	Level I		1.00	0.002272	.0161	44011121.05
105A510513	Resistor	R592	Telcordia Issue 1	Level I		1.00	0.002272	.0161	44011121.05
105A535713	Resistor	R594	Telcordia Issue 1	Level I		1.00	0.002272	.0161	44011121.05
105A706233	Resistor	R679,R683,R740, R744	Telcordia Issue 1	Level I		4.00	0.002272	.0643	44011121.05
105A705623	Resistor	R685	Telcordia Issue 1	Level I		1.00	0.002272	.0161	44011121.05
105A517413	Resistor	R704	Telcordia Issue 1	Level I		1.00	0.002272	.0161	44011121.05
1050700002	Resistor	R748,R751	Telcordia Issue 1	Level I		2.00	0.002272	.0322	44011121.05
1059704761	Resistor	R749	Telcordia Issue 1	Level I		1.00	0.002272	.0161	44011121.05
105A701623	Resistor	R787	Telcordia Issue 1	Level I		1.00	0.002272	.0161	44011121.05
105A705139	Resistor	R799	Telcordia Issue 1	Level I		1.00	0.002272	.0161	44011121.05
105A707503	Resistor	R845,R846,R847, R848,R849,R850, R851,R852,R878, R879,R880,R881, R882,R883,R884, R885	Telcordia Issue 1	Level I		16.00	0.002272	.2573	44011121.05
105A705133	Resistor	R876,R887	Telcordia Issue 1	Level I		2.00	0.002272	.0322	44011121.05
1122710091	Capacitor	TC74,TC8	Telcordia Issue 1	Level I		2.00	0.004544	.0643	220055560.52
14S3500700	Integrated Circuit	T1,T2,T3,T4	Telcordia Issue 1	Level I		4.00	0.059802	1.6931	16721916.86
14S2200900	Integrated Circuit	U1	Telcordia Issue 1	Level I		1.00	0.059802	.4233	16721916.86
14S4291000	Integrated Circuit	U3	Telcordia Issue 1	Level I	24.10	1.00	0.097598	.6908	10246078.67



### AAEON Reliability Prediction Report

**Part Number** System  
**Reference Des**  
**Date** 05. 27, 2010  
**Environment** GF, GU - Ground Fixed, Uncontrolled  
**Temp. (°C)** 25.10



**Description** Top-level assembly  
**File Name** TF-FWS-2300-A10-00.RPJ  
**Time** 9:19 上午  
**Failure Rate** 14.128073  
**MTBF** 70,781

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate,%	MTBF, Unit
11E9510050	Capacitor	TC1,TC100,TC101,TC102,TC103,TC107,TC110,TC111,TC12,TC13,TC14,TC16,TC19,TC2,TC20,TC21,TC22,TC23,TC24,TC25,TC26,TC27,TC28,TC29,TC3,TC30,TC31,TC32,TC33,TC34,TC35,TC36,TC37,TC38,TC39,TC4,TC40,TC41,TC42,TC43,TC44,TC45,	Telcordia Issue 1	Level I		82.00	0.004544	2.6375	220055560.52
14S4653701	Integrated Circuit	U21	Telcordia Issue 1	Level I	13.80	1.00	0.156847	1.1102	6375650.01
14S9070800	Integrated Circuit	U30	Telcordia Issue 1	Level I		1.00	0.026337	.1864	37969565.62
14S5A73200	Integrated Circuit	U46,U50	Telcordia Issue 1	Level I		2.00	0.026337	.3728	37969565.62
11C2522660	Capacitor	C51	Telcordia Issue 1	Level I		1.00	0.004544	.0322	220055560.52
14S62F7300	Integrated Circuit	U15	Telcordia Issue 1	Level I		1.00	0.026337	.1864	37969565.62
14S6200800	Integrated Circuit		Telcordia Issue 1	Level I		1.00	0.143119	1.0130	6987207.62
1750220323	Connection	BAT1	Telcordia Issue 1	Level I		1.00	0.001144	.0081	874201776.95
1119622193	Capacitor	EC19	Telcordia Issue 1	Level I		1.00	0.042896	.3036	23312047.39
1653220208	Connection	IDE1	Telcordia Issue 1	Level I		1.00	0.022878	.1619	43710088.85
165320820B	Connection	CN1	Telcordia Issue 1	Level I		1.00	0.009151	.0648	109275222.12
1653005200	Connection	CN2,CN5	Telcordia Issue 1	Level I		2.00	0.022878	.3239	43710088.85
165300420F	Connection	CN3	Telcordia Issue 1	Level I		1.00	0.004576	.0324	218550444.24
1653205203	Connection	COM1	Telcordia Issue 1	Level I		1.00	0.005720	.0405	174840355.39
165440910B	Connection	COM2	Telcordia Issue 1	Level I		1.00	0.022878	.1619	43710088.85
1169656132	Capacitor	EC1,EC14,EC18,EC21	Telcordia Issue 1	Level I		4.00	0.005469	.1548	182842274.63
1169682191	Capacitor	EC10,EC13,EC16,EC17,EC2,EC3,EC5, EC6,EC7	Telcordia Issue 1	Level I		9.00	0.005469	.3484	182842274.63
1161627100	Capacitor	EC12,EC8	Telcordia Issue 1	Level I		2.00	0.005469	.0774	182842274.63
1304100250	Semiconductor	LED1,LED3,LED4, LED5,LED6	Telcordia Issue 1	Level I		5.00	0.004921	.1742	203197151.95
1111610199	Capacitor	EC23,EC24	Telcordia Issue 1	Level I		2.00	0.042896	.6072	23312047.39
1655003010	Connection	FAN3	Telcordia Issue 1	Level I		1.00	0.001716	.0121	582801184.63
1653004200	Connection	FP1,FP2	Telcordia Issue 1	Level I		2.00	0.004576	.0648	218550444.24
1304400150	Semiconductor	LED2	Telcordia Issue 1	Level I		1.00	0.004921	.0348	203197151.95
1653003101	Connection	JP1,JP3	Telcordia Issue 1	Level I		2.00	0.001716	.0243	582801184.63
1653002100	Connection	CMOS1	Telcordia Issue 1	Level I		1.00	0.001144	.0081	874201776.95

