

XTX-945GSE

Reliability Prediction Report

(MTBF)

Report NO : 08E070036

12-08-2008

Issue Date

Wenyuan Yang

Manager

Jessica Chou

Test Engineer

Reliability Prediction (MTBF)

I . **Model Name:** XTX-945GSE

II . **Prediction Date:** Dec. 8th, 2008

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: 24.6 degree C
- Standard: Telcordia (Bellcore) Standard
- Component Quality Level: Level I
- Duty Cycle: 100%
- Mode: GF, GU - Ground Fixed, Uncontrolled

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:

- XTX-945GSE
 - Failure Rate: 9.612189 ppm
 - MTBF: 104,035 Hours

AAEON Reliability Prediction Report

Part Number 9697X94513-SMT
Reference Des
Date 12. 8, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.60

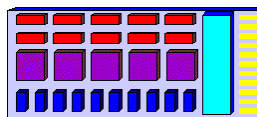


Description Top-level assembly
File Name XTX-945GSE.RPJ
Time 5:52 下午
Failure Rate 9.612189
MTBF 104,035

| Assembly Name | Part Number | Model | Method | Environment | Duty Cycle | Qty | Failure Rate | MTBF |
|---------------|----------------|-----------|-----------------|------------------------|------------|------|--------------|---------|
| XTX-945GSE | 9697X94513-SMT | Telcordia | Method I Case 3 | GF, GU - Ground Fixed, | 100.00 | 1.00 | 9.612189 | 104,035 |

AAEON Reliability Prediction Report

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Description Top-level assembly
File Name XTX-945GSE.RPJ
Time 5:52 下午
Failure Rate 9.612189
MTBF 104,035

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Failure Rate, Unit | Quantity | Failure Rate, % | Failure Rate | MTBF, Unit |
|-------------|------------|--|-------------------|---------|-----------|--------------------|----------|-----------------|--------------|--------------|
| 16515A0997 | Connection | CN1 | Telcordia Issue 1 | Level I | | 0.111437 | 1.00 | 1.1593 | 0.111437 | 8973667.09 |
| 165300420L | Connection | CN3 | Telcordia Issue 1 | Level I | | 0.004457 | 1.00 | .0464 | 0.004457 | 224341677.14 |
| 1129701690 | Capacitor | C1,C104,C106,C108, C110,C118,C119, C120,C121,C122, C123,C124,C125, C127,C133,C134, C135,C136,C137, C138,C139,C140, C141,C142,C144, C145,C146,C149, C150,C151,C152, C153,C154,C155, C156,C157,C158, C159,C160,C161, | Telcordia Issue 1 | Level I | | 0.004500 | 184.00 | 8.6140 | 0.827992 | 222224377.26 |
| 1129610051 | Capacitor | C10,C102,C11,C12, C13,C14,C148,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,C390,C395,C49, C5,C50,C57,C59,C6, C67,C68,C7,C70, | Telcordia Issue 1 | Level I | | 0.004500 | 52.00 | 2.4344 | 0.233998 | 222224377.26 |
| 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 | | 0.004500 | 27.00 | 1.2640 | 0.121499 | 222224377.26 |
| 1129722680 | Capacitor | C193,C194,C195, C197,C198,C242, C243,C244,C251, C255,C44 | Telcordia Issue 1 | Level I | | 0.004500 | 11.00 | .5150 | 0.049500 | 222224377.26 |
| 1122522890 | Capacitor | C103,C105,C107, C109,C47,C82,C91 | Telcordia Issue 1 | Level I | | 0.004500 | 7.00 | .3277 | 0.031500 | 222224377.26 |

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File Name XTX-945GSE.RPJ
Time 5:52 下午
Failure Rate 9.612189
MTBF 104,035

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Failure Rate, Unit | Quantity | Failure Rate, % | Failure Rate | MTBF, Unit |
|-------------|---------------|---|-------------------|---------|-----------|--------------------|----------|-----------------|--------------|---------------|
| 11E9647680 | Capacitor | C143,C196,C51,C52,C63,C64,C76,C77,C83 | Telcordia Issue 1 | Level I | | 0.004500 | 9.00 | .4213 | 0.040500 | 222224377.26 |
| 11B9747490 | Capacitor | C100,C101,C78,C98,C99 | Telcordia Issue 1 | Level I | | 0.004500 | 5.00 | .2341 | 0.022500 | 222224377.26 |
| 1129622050 | Capacitor | C86,C93 | Telcordia Issue 1 | Level I | | 0.004500 | 2.00 | .0936 | 0.009000 | 222224377.26 |
| 1121701790 | Capacitor | C147,C165,C240,C288,C317,C95 | Telcordia Issue 1 | Level I | | 0.004500 | 6.00 | .2809 | 0.027000 | 222224377.26 |
| 1129710090 | Capacitor | C111,C112,C217,C218,C268,C281 | Telcordia Issue 1 | Level I | | 0.000236 | 6.00 | .0147 | 0.001413 | 4245808669.26 |
| 1124405090 | Capacitor | C185,C186,C333 | Telcordia Issue 1 | Level I | | 0.004500 | 3.00 | .1404 | 0.013500 | 222224377.26 |
| 118961018A | Capacitor | C189,C222,C225 | Telcordia Issue 1 | Level I | | 0.004500 | 3.00 | .1404 | 0.013500 | 222224377.26 |
| 1129722091 | Capacitor | C236,C239,C361,C362,C363,C378,C379 | Telcordia Issue 1 | Level I | | 0.004500 | 7.00 | .3277 | 0.031500 | 222224377.26 |
| 1129722060 | Capacitor | C238 | Telcordia Issue 1 | Level I | | 0.004500 | 1.00 | .0468 | 0.004500 | 222224377.26 |
| 1121701080 | Capacitor | C257,C269,C271,C272,C279,C280,C300,C306,C315,C353,C354,C355 | Telcordia Issue 1 | Level I | | 0.004500 | 12.00 | .5618 | 0.053999 | 222224377.26 |
| 1129710390 | Capacitor | C266,C270,C290,C316,C319,C338,C339,C356,C357 | Telcordia Issue 1 | Level I | | 0.004500 | 9.00 | .4213 | 0.040500 | 222224377.26 |
| 1129610080 | Capacitor | C293,C294,C295,C296 | Telcordia Issue 1 | Level I | | 0.004500 | 4.00 | .1873 | 0.018000 | 222224377.26 |
| 1121733380 | Capacitor | C307 | Telcordia Issue 1 | Level I | | 0.004500 | 1.00 | .0468 | 0.004500 | 222224377.26 |
| 1129747090 | Capacitor | C308,C309,C310,C311 | Telcordia Issue 1 | Level I | | 0.000702 | 4.00 | .0292 | 0.002807 | 1424951513.41 |
| 1124410190 | Capacitor | C312,C313,C314,C318,C345,C346,C351,C352,C391 | Telcordia Issue 1 | Level I | | 0.000236 | 9.00 | .0221 | 0.002120 | 4245808669.26 |
| 1129715090 | Capacitor | C321 | Telcordia Issue 1 | Level I | | 0.004500 | 1.00 | .0468 | 0.004500 | 222224377.26 |
| 1124447180 | Capacitor | C322 | Telcordia Issue 1 | Level I | | 0.004500 | 1.00 | .0468 | 0.004500 | 222224377.26 |
| 1122539980 | Capacitor | C392 | Telcordia Issue 1 | Level I | | 0.004500 | 1.00 | .0468 | 0.004500 | 222224377.26 |
| 1124522190 | Capacitor | C397 | Telcordia Issue 1 | Level I | | 0.004500 | 1.00 | .0468 | 0.004500 | 222224377.26 |
| 1301053040 | Semiconductor | D1,D10,D11,D14,D17,D18,D2,D7,D8,D9 | Telcordia Issue 1 | | | 0.007869 | 10.00 | .8187 | 0.078692 | 127077426.56 |
| 1301005443 | Semiconductor | D16,D3,D4 | Telcordia Issue 1 | Level I | | 0.027000 | 3.00 | .8427 | 0.080999 | 37037396.21 |
| 1301005442 | Semiconductor | D13,D22 | Telcordia Issue 1 | Level I | | 0.023608 | 2.00 | .4912 | 0.047215 | 42359142.19 |
| 1301003240 | Semiconductor | D15 | Telcordia Issue 1 | Level I | | 0.023608 | 1.00 | .2456 | 0.023608 | 42359142.19 |
| 1301005441 | Semiconductor | D19 | Telcordia Issue 1 | Level I | | 0.027000 | 1.00 | .2809 | 0.027000 | 37037396.21 |

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Temp. (°C) 24.60

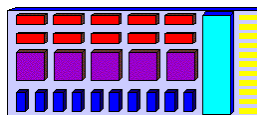


Description Top-level assembly
File Name XTX-945GSE.RPJ
Time 5:52 下午
Failure Rate 9.612189
MTBF 104,035

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Failure Rate, Unit | Quantity | Failure Rate, % | Failure Rate | MTBF, Unit |
|-------------|--------------------|--|-------------------|---------|-----------|--------------------|----------|-----------------|--------------|--------------|
| 1305099140 | Semiconductor | D20,D21 | Telcordia Issue 1 | Level I | | 0.078692 | 2.00 | 1.6373 | 0.157384 | 12707742.66 |
| 12123C0007 | Inductor | FB1,FB2,FB5 | Telcordia Issue 1 | Level I | | 0.002250 | 3.00 | .0702 | 0.006750 | 444448754.52 |
| 12123C0006 | Inductor | FB3,FB4 | Telcordia Issue 1 | Level I | | 0.002250 | 2.00 | .0468 | 0.004500 | 444448754.52 |
| 121230805Z | Inductor | FB6 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |
| 1212306030 | Inductor | FB11,FB12,FB15,FB16,FB17,FB18,FB19,FB20,FB7,L8, L9 | Telcordia Issue 1 | Level I | | 0.002250 | 11.00 | .2575 | 0.024750 | 444448754.52 |
| 105A700003 | Resistor | FB10,FB8,FB9,R353,R354,R369,R373,R383,R386,R428,R458,R459,R467 | Telcordia Issue 1 | Level I | | 0.002250 | 13.00 | .3043 | 0.029250 | 444448754.52 |
| 1212306035 | Inductor | FB13,FB14 | Telcordia Issue 1 | Level I | | 0.002250 | 2.00 | .0468 | 0.004500 | 444448754.52 |
| 1304101340 | Semiconductor | LED1 | Telcordia Issue 1 | Level I | | 0.004701 | 1.00 | .0489 | 0.004701 | 212713271.32 |
| 1212308054 | Inductor | L1 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |
| 1211100102 | Inductor | L2,L5 | Telcordia Issue 1 | Level I | | 0.085499 | 2.00 | 1.7790 | 0.170998 | 11696019.86 |
| 121110100F | Inductor | L3,L4 | Telcordia Issue 1 | Level I | | 0.085499 | 2.00 | 1.7790 | 0.170998 | 11696019.86 |
| 121230805L | Inductor | L6,L7 | Telcordia Issue 1 | Level I | | 0.002250 | 2.00 | .0468 | 0.004500 | 444448754.52 |
| 1211000180 | Inductor | L10,L11,L14 | Telcordia Issue 1 | Level I | | 0.002250 | 3.00 | .0702 | 0.006750 | 444448754.52 |
| 1211000180 | Inductor | L12 | Telcordia Issue 1 | Level I | 15.30 | 0.002995 | 1.00 | .0312 | 0.002995 | 333926111.34 |
| 1211103370 | Inductor | L13 | Telcordia Issue 1 | Level I | 21.90 | 0.003359 | 1.00 | .0349 | 0.003359 | 297685601.27 |
| 1315030110 | Semiconductor | Q1,Q2 | Telcordia Issue 1 | Level I | | 0.000000 | 2.00 | .0000 | 0.000000 | .00 |
| 1314108610 | Integrated Circuit | Q3 | Telcordia Issue 1 | Level I | 14.80 | 0.162164 | 1.00 | 1.6871 | 0.162164 | 6166609.75 |
| 1310390411 | Semiconductor | Q6 | Telcordia Issue 1 | Level I | | 0.023608 | 1.00 | .2456 | 0.023608 | 42359142.19 |
| 1315731310 | Semiconductor | Q9 | Telcordia Issue 1 | Level I | 20.30 | 0.272141 | 1.00 | 2.8312 | 0.272141 | 3674559.61 |
| 1315662210 | Semiconductor | Q10 | Telcordia Issue 1 | Level I | 11.70 | 0.108848 | 1.00 | 1.1324 | 0.108848 | 9187150.58 |
| 1315662810 | Semiconductor | Q11,Q12 | Telcordia Issue 1 | Level I | | 0.078692 | 2.00 | 1.6373 | 0.157384 | 12707742.66 |
| 1315662810 | Semiconductor | Q13 | Telcordia Issue 1 | Level I | 22.60 | 0.144148 | 1.00 | 1.4996 | 0.144148 | 6937302.12 |
| 1315667910 | Semiconductor | Q39 | Telcordia Issue 1 | Level I | | 0.157384 | 1.00 | 1.6373 | 0.157384 | 6353871.33 |
| 1315667910 | Semiconductor | Q40 | Telcordia Issue 1 | Level I | 14.90 | 0.236889 | 1.00 | 2.4645 | 0.236889 | 4221382.86 |
| 1315700211 | Semiconductor | Q41,Q42,Q44,Q45, Q46,Q47,Q48 | Telcordia Issue 1 | Level I | | 0.078692 | 7.00 | 5.7307 | 0.550845 | 12707742.66 |
| 1311390610 | Semiconductor | Q43 | Telcordia Issue 1 | Level I | | 0.023608 | 1.00 | .2456 | 0.023608 | 42359142.19 |
| 1540782282 | Resistor | RP1,RP2,RP3,RP4, RP5 | Telcordia Issue 1 | Level I | | 0.006133 | 5.00 | .3190 | 0.030663 | 163061825.44 |

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Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 24.60



Description Top-level assembly
File Name XTX-945GSE.RPJ
Time 5:52 下午
Failure Rate 9.612189
MTBF 104,035

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Failure Rate, Unit | Quantity | Failure Rate, % | Failure Rate | MTBF, Unit |
|-------------|----------|---|-------------------|---------|-----------|--------------------|----------|-----------------|--------------|--------------|
| 105A700009 | Resistor | C114,C115,C116, C117,R128,R148, R149,R151,R155, R160,R161,R162, R164,R190,R202, R203,R239,R247, R248,R257,R258, R260,R267,R268, R269,R284,R285, R288,R289,R292, R293,R296,R297, R300,R301,R304, R305,R308,R309, | Telcordia Issue 1 | Level I | | 0.002250 | 73.00 | 1.7088 | 0.164248 | 444448754.52 |
| 105A501523 | Resistor | R63 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |
| 105A501039 | Resistor | R340,R349,R370, R404,R406,R407, R408,R411,R412, R415,R66,R68 | Telcordia Issue 1 | Level I | | 0.002250 | 12.00 | .2809 | 0.027000 | 444448754.52 |
| 105A549913 | Resistor | R67 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |
| 105A580663 | Resistor | R69,R71 | Telcordia Issue 1 | Level I | | 0.002250 | 2.00 | .0468 | 0.004500 | 444448754.52 |
| 1050510034 | Resistor | R132,R169,R249, R395,R402,R432, R433,R435,R436, R454,R457,R470,R72, R74 | Telcordia Issue 1 | Level I | | 0.002250 | 14.00 | .3277 | 0.031500 | 444448754.52 |
| 105A701039 | Resistor | R102,R103,R104, R105,R106,R119, R120,R121,R138, R141,R142,R143, R144,R145,R146, R147,R157,R159, R186,R188,R189, R207,R208,R237, R238,R275,R278, R279,R282,R363, R442,R443,R447, R449,R462,R527, R529,R531,R533, | Telcordia Issue 1 | Level I | | 0.002250 | 48.00 | 1.1236 | 0.107999 | 444448754.52 |
| 105A701009 | Resistor | R174,R272,R362, R364,R367,R368, R372,R398,R399,R88, R90 | Telcordia Issue 1 | Level I | | 0.002250 | 11.00 | .2575 | 0.024750 | 444448754.52 |
| 105A700103 | Resistor | R175,R89,R91,R92, R93 | Telcordia Issue 1 | Level I | | 0.002250 | 5.00 | .1170 | 0.011250 | 444448754.52 |

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| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Failure Rate, Unit | Quantity | Failure Rate, % | Failure Rate | MTBF, Unit |
|-------------|----------|--|-------------------|---------|-----------|--------------------|----------|-----------------|--------------|--------------|
| 105A510053 | Resistor | R422,R94 | Telcordia Issue 1 | Level I | | 0.013500 | 2.00 | .2809 | 0.027000 | 74074792.42 |
| 105A502033 | Resistor | R337,R98 | Telcordia Issue 1 | Level I | | 0.002250 | 2.00 | .0468 | 0.004500 | 444448754.52 |
| 105A701053 | Resistor | R108,R342 | Telcordia Issue 1 | Level I | | 0.002250 | 2.00 | .0468 | 0.004500 | 444448754.52 |
| 105A733033 | Resistor | R109 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |
| 105A704729 | Resistor | R111,R125,R126, R287,R414,R419, R420,R421,R445, R446,R450,R451, R468,R521 | Telcordia Issue 1 | Level I | | 0.002250 | 14.00 | .3277 | 0.031500 | 444448754.52 |
| 105A708229 | Resistor | R114,R115,R116, R130,R131,R135, R136,R137,R139, R152,R153,R154, R471 | Telcordia Issue 1 | Level I | | 0.002250 | 13.00 | .3043 | 0.029250 | 444448754.52 |
| 105A703309 | Resistor | R117,R118,R124, R176,R177,R178, R179,R180,R185, R262,R263,R438, R439,R452,R456, R537,R538 | Telcordia Issue 1 | Level I | | 0.002250 | 17.00 | .3979 | 0.038250 | 444448754.52 |
| 105A522663 | Resistor | R122 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |
| 105A700139 | Resistor | R129,R140,R197, R199,R201,R256, R261,R265,R266, R277,R389,R453, R455,R544 | Telcordia Issue 1 | Level I | | 0.002250 | 14.00 | .3277 | 0.031500 | 444448754.52 |
| 1050512164 | Resistor | R181,R182,R183, R184 | Telcordia Issue 1 | Level I | | 0.002250 | 4.00 | .0936 | 0.009000 | 444448754.52 |
| 105A701059 | Resistor | R192 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |
| 105A511503 | Resistor | R217 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |
| 105A518703 | Resistor | R221 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |
| 105A511103 | Resistor | R270,R271 | Telcordia Issue 1 | Level I | | 0.002250 | 2.00 | .0468 | 0.004500 | 444448754.52 |
| 105A561903 | Resistor | R273 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |
| 105A554903 | Resistor | R274 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |
| 105A701003 | Resistor | R334,R335,R382 | Telcordia Issue 1 | Level I | | 0.002250 | 3.00 | .0702 | 0.006750 | 444448754.52 |
| 105A501033 | Resistor | R336 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |
| 105A702263 | Resistor | R338,R341,R346, R350 | Telcordia Issue 1 | Level I | | 0.002250 | 4.00 | .0936 | 0.009000 | 444448754.52 |
| 105A502233 | Resistor | R339 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |
| 105A571533 | Resistor | R345 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |
| 105A507523 | Resistor | R348 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |

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Failure Rate 9.612189
MTBF 104,035

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Failure Rate, Unit | Quantity | Failure Rate, % | Failure Rate | MTBF, Unit |
|-------------|--------------------|-------------------------------|-------------------|---------|-----------|--------------------|----------|-----------------|--------------|--------------|
| 105A503033 | Resistor | R351 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |
| 105A501533 | Resistor | R352 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |
| 1050547004 | Resistor | R360 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |
| 105A575033 | Resistor | R361 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |
| 105A700109 | Resistor | R366 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |
| 105A535713 | Resistor | R371 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |
| 105A518223 | Resistor | R387 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |
| 105A501633 | Resistor | R388 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |
| 105A702039 | Resistor | R393,R394 | Telcordia Issue 1 | Level I | | 0.002250 | 2.00 | .0468 | 0.004500 | 444448754.52 |
| 105A549903 | Resistor | R397 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |
| 1050530124 | Resistor | R400 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |
| 1050513034 | Resistor | R401,R403 | Telcordia Issue 1 | Level I | | 0.002250 | 2.00 | .0468 | 0.004500 | 444448754.52 |
| 1059700001 | Resistor | R405 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |
| 105A506823 | Resistor | R409,R410 | Telcordia Issue 1 | Level I | | 0.002250 | 2.00 | .0468 | 0.004500 | 444448754.52 |
| 106B501031 | Resistor | R417 | Telcordia Issue 1 | Level I | | 0.011144 | 1.00 | .1159 | 0.011144 | 89736670.86 |
| 105A702429 | Resistor | R448 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |
| 105A551119 | Resistor | R460 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |
| 1050501234 | Resistor | R461 | Telcordia Issue 1 | Level I | | 0.002250 | 1.00 | .0234 | 0.002250 | 444448754.52 |
| 105A704739 | Resistor | R516,R517,R518, R519 | Telcordia Issue 1 | Level I | | 0.002250 | 4.00 | .0936 | 0.009000 | 444448754.52 |
| 1189647180 | Capacitor | TC1,TC10,TC5,TC8, TC9 | Telcordia Issue 1 | Level I | | 0.004500 | 5.00 | .2341 | 0.022500 | 222224377.26 |
| 1189633160 | Capacitor | TC13,TC15,TC2,TC4, TC6 | Telcordia Issue 1 | Level I | | 0.004500 | 5.00 | .2341 | 0.022500 | 222224377.26 |
| 1189615150 | Capacitor | TC14,TC16,TC17, TC18,TC19,TC3 | Telcordia Issue 1 | Level I | | 0.004500 | 6.00 | .2809 | 0.027000 | 222224377.26 |
| 1189922180 | Capacitor | TC11,TC12,TC7 | Telcordia Issue 1 | Level I | | 0.004500 | 3.00 | .1404 | 0.013500 | 222224377.26 |
| 106B503331 | Resistor | TH1 | Telcordia Issue 1 | Level I | | 0.011144 | 1.00 | .1159 | 0.011144 | 89736670.86 |
| 14S4160020 | Integrated Circuit | U1 | Telcordia Issue 1 | Level I | 25.10 | 0.100079 | 1.00 | 1.0412 | 0.100079 | 9992058.34 |
| 14S4294503 | Integrated Circuit | U3 | Telcordia Issue 1 | Level I | 9.10 | 0.043035 | 1.00 | .4477 | 0.043035 | 23236687.58 |
| 14S428010D | Integrated Circuit | U4 | Telcordia Issue 1 | Level I | 4.90 | 0.033977 | 1.00 | .3535 | 0.033977 | 29431353.27 |
| 14S6201601 | Integrated Circuit | U5 | Telcordia Issue 1 | Level I | 10.10 | 0.045616 | 1.00 | .4746 | 0.045616 | 21922283.73 |
| 14S5A00700 | Integrated Circuit | U8 | Telcordia Issue 1 | Level I | 19.10 | 0.071024 | 1.00 | .7389 | 0.071024 | 14079662.56 |
| 14S3050100 | Integrated Circuit | U9 | Telcordia Issue 1 | Level I | 21.60 | 0.252552 | 1.00 | 2.6274 | 0.252552 | 3959576.15 |

