

AEC-6930

Reliability Prediction Report (MTBF)

Report NO : 09P070004

03-13-2009

Issue Date

Wenyuan Yang

Manager

Jessica Chou

Test Engineer

Reliability Prediction (MTBF)

I . **Model Name:** TF-AEC-6930-A1-1010

II . **Prediction Date:** Mar. 13, 2009

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

VII. Term and Definition:

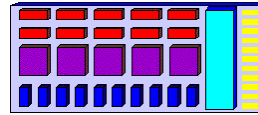
- Unit : An assembly of device.
- Duty Cycle : Used to specify the percentage of time that the element is in an on state, and it is equal to the percentage of total time the item is in the active environment.
- Quantity : The quantity of the selected item.
- Failure Rate : Used to specify that the failure 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-AEC-6930-A1-1010:
Failure Rate: 30.602305 ppm
MTBF: 32,677 Hours

AAEON Reliability Prediction Report

Part Number System
Reference Des
Date 03. 13, 2009
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.10

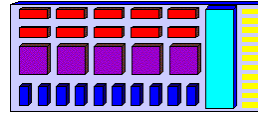


Description Top-level assembly
File Name TF-AEC-6930-A1-1010.RPJ
Time 4:22 下午
Failure Rate 30.602305
MTBF 32,677

| Assembly Name | Part Number | Model | Method | Environment | Duty Cycle | Qty | Failure Rate | MTBF |
|---------------------|----------------|-----------|-----------------|------------------------|------------|------|--------------|-----------|
| TF-AEC-6930-A1-1010 | System | Telcordia | Method I Case 3 | GF, GU - Ground Fixed, | 100.00 | 1.00 | 30.602305 | 32,677 |
| PER-V001 | 9697V00101-SMT | Telcordia | Method I Case 3 | GF, GU - Ground Fixed, | | 1.00 | 0.300189 | 3,331,237 |
| PER-T120-A10 | 9697T12002-D | Telcordia | Method I Case 3 | GF, GU - Ground Fixed, | | 1.00 | 15.337038 | 65,202 |
| PER-R07P-A11 | 9697R07P04-DIP | Telcordia | Method I Case 3 | GF, GU - Ground Fixed, | | 1.00 | 0.452548 | 2,209,710 |
| COM-965-A10 | 969796500B-S | Telcordia | Method I Case 3 | GF, GU - Ground Fixed, | | 1.00 | 13.562134 | 73,735 |

AAEON Reliability Prediction Report

Part Number System
Reference Des
Date 03. 13, 2009
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.10



Description Top-level assembly
File Name TF-AEC-6930-A1-1010.RPJ
Time 4:22 下午
Failure Rate 30.602305
MTBF 32,677

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Failure Rate, Unit | Quantity | Failure Rate, % | Failure Rate | MTBF, Unit |
|-------------|--------------------|---------------|-------------------|---------|-----------|--------------------|----------|-----------------|--------------|--------------|
| 1602606D00 | Connection | ROCKER SWITCH | Telcordia Issue 1 | Level I | | 0.001144 | 1.00 | .1204 | 0.001144 | 874201776.95 |
| 1652003201 | Connection | Block | Telcordia Issue 1 | Level I | | 0.001144 | 1.00 | .1204 | 0.001144 | 874201776.95 |
| 14D6A01G08 | Integrated Circuit | DDRII | Telcordia Issue 1 | Level I | 29.70 | 0.948109 | 1.00 | 99.7593 | 0.948109 | 1054731.12 |

AAEON Reliability Prediction Report

Part Number 9697V00101-SMT
Reference Des
Date 03. 13, 2009
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.10

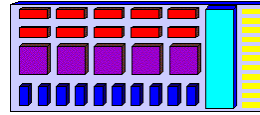


Description
File Name TF-AEC-6930-A1-1010.RPJ
Time 4:22 下午
Failure Rate 0.300189
MTBF 3,331,237

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Failure Rate, Unit | Quantity | Failure Rate, % | Failure Rate | MTBF, Unit |
|-------------|--------------------|--|-------------------|---------|-----------|--------------------|----------|-----------------|--------------|--------------|
| 1121501680 | Capacitor | C1,C10,C11,C13,C14, C17,C2,C4,C5,C7,C8 | Telcordia Issue 1 | Level I | | 0.005469 | 11.00 | 20.0411 | 0.060161 | 182842274.63 |
| 1129610051 | Capacitor | C12,C15,C16,C3,C6, C9 | Telcordia Issue 1 | Level I | | 0.004544 | 6.00 | 9.0829 | 0.027266 | 220055560.52 |
| 1121701080 | Capacitor | C18,C19 | Telcordia Issue 1 | Level I | | 0.004544 | 2.00 | 3.0276 | 0.009089 | 220055560.52 |
| 1212306030 | Inductor | FB1,FB2,FB3,FB4 | Telcordia Issue 1 | Level I | | 0.002272 | 4.00 | 3.0276 | 0.009089 | 440111121.05 |
| 14S2591200 | Integrated Circuit | Q1 | Telcordia Issue 1 | Level I | | 0.059802 | 1.00 | 19.9214 | 0.059802 | 16721916.86 |
| 105A504723 | Resistor | R1,R2 | Telcordia Issue 1 | Level I | | 0.002272 | 2.00 | 1.5138 | 0.004544 | 440111121.05 |
| 105A700003 | Resistor | R10,R12,R15,R16, R18,R19,R24,R3,R4, R5,R6,R7,R8,R9 | Telcordia Issue 1 | Level I | | 0.002272 | 14.00 | 10.5967 | 0.031810 | 440111121.05 |
| 105A501033 | Resistor | R11,R21,R22 | Telcordia Issue 1 | Level I | | 0.002272 | 3.00 | 2.2707 | 0.006816 | 440111121.05 |
| 105A708223 | Resistor | R13,R14 | Telcordia Issue 1 | Level I | | 0.002272 | 2.00 | 1.5138 | 0.004544 | 440111121.05 |
| 105A501223 | Resistor | R20 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .7569 | 0.002272 | 440111121.05 |
| 105A700133 | Resistor | R23,R25 | Telcordia Issue 1 | Level I | | 0.002272 | 2.00 | 1.5138 | 0.004544 | 440111121.05 |
| 105A747003 | Resistor | R26 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .7569 | 0.002272 | 440111121.05 |
| 118961018A | Capacitor | TC1,TC2 | Telcordia Issue 1 | Level I | | 0.004544 | 2.00 | 3.0276 | 0.009089 | 220055560.52 |
| 14S4730701 | Integrated Circuit | U1 | Telcordia Issue 1 | Level I | | 0.059802 | 1.00 | 19.9214 | 0.059802 | 16721916.86 |
| 105A505623 | Resistor | R27,R28 | Telcordia Issue 1 | Level I | | 0.002272 | 2.00 | 1.5138 | 0.004544 | 440111121.05 |
| 1124427080 | Capacitor | C20 | Telcordia Issue 1 | Level I | | 0.004544 | 1.00 | 1.5138 | 0.004544 | 220055560.52 |

AAEON Reliability Prediction Report

Part Number 9697T12002-D
Reference Des
Date 03. 13, 2009
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.10



Description
File Name TF-AEC-6930-A1-1010.RPJ
Time 4:22 下午
Failure Rate 15.337038
MTBF 65,202

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Failure Rate, Unit | Quantity | Failure Rate, % | Failure Rate | MTBF, Unit |
|-------------|---------------|--|-------------------|---------|-----------|--------------------|----------|-----------------|--------------|--------------|
| 11E9647680 | Capacitor | C104,C105,C108, C134,C135,C140, C141,C147,C148, C150,C165,C166, C171,C172,C178, C179,C181,C90,C92, C97,C99 | Telcordia Issue 1 | Level I | | 0.004544 | 21.00 | .6222 | 0.095430 | 220055560.52 |
| 1124701680 | Capacitor | C326,C330,C335, C342,C345,C346, C369,C370,C377 | Telcordia Issue 1 | Level I | | 0.004544 | 9.00 | .2667 | 0.040899 | 220055560.52 |
| 1129710390 | Capacitor | C197,C199,C239, C240 | Telcordia Issue 1 | Level I | | 0.004544 | 4.00 | .1185 | 0.018177 | 220055560.52 |
| 1124410190 | Capacitor | C200,C201,C208, C220,C221,C227, C228,C376 | Telcordia Issue 1 | Level I | | 0.004544 | 8.00 | .2370 | 0.036354 | 220055560.52 |
| 1129701790 | Capacitor | C110,C116,C184, C190,C207,C255, C362,C363 | Telcordia Issue 1 | Level I | | 0.004544 | 8.00 | .2370 | 0.036354 | 220055560.52 |
| 1124547190 | Capacitor | C241,C242,C243, C244 | Telcordia Issue 1 | Level I | | 0.004544 | 4.00 | .1185 | 0.018177 | 220055560.52 |
| 11E1647650 | Capacitor | C288,C289,C295, C297,C388 | Telcordia Issue 1 | Level I | | 0.042896 | 5.00 | 1.3985 | 0.214481 | 23312047.39 |
| 1124533190 | Capacitor | C314 | Telcordia Issue 1 | Level I | | 0.005469 | 1.00 | .0357 | 0.005469 | 182842274.63 |
| 1125501760 | Capacitor | C320 | Telcordia Issue 1 | Level I | | 0.004544 | 1.00 | .0296 | 0.004544 | 220055560.52 |
| 1144647680 | Capacitor | C322 | Telcordia Issue 1 | Level I | | 0.004544 | 1.00 | .0296 | 0.004544 | 220055560.52 |
| 1143610080 | Capacitor | C334,C341,C349, C378 | Telcordia Issue 1 | Level I | | 0.004544 | 4.00 | .1185 | 0.018177 | 220055560.52 |
| 1123710090 | Capacitor | C351,C352,C353, C391 | Telcordia Issue 1 | Level I | | 0.004544 | 4.00 | .1185 | 0.018177 | 220055560.52 |
| 11C4501060 | Capacitor | C355,C399 | Telcordia Issue 1 | Level I | | 0.004544 | 2.00 | .0593 | 0.009089 | 220055560.52 |
| 1121547661 | Capacitor | C358,C359,C381 | Telcordia Issue 1 | Level I | | 0.004544 | 3.00 | .0889 | 0.013633 | 220055560.52 |
| 1124522290 | Capacitor | C360 | Telcordia Issue 1 | Level I | | 0.004544 | 1.00 | .0296 | 0.004544 | 220055560.52 |
| 11C1522480 | Capacitor | C361,C364 | Telcordia Issue 1 | Level I | | 0.004544 | 2.00 | .0593 | 0.009089 | 220055560.52 |
| 1122522890 | Capacitor | C365,C403 | Telcordia Issue 1 | Level I | | 0.004544 | 2.00 | .0593 | 0.009089 | 220055560.52 |
| 1121722090 | Capacitor | C382 | Telcordia Issue 1 | Level I | | 0.004544 | 1.00 | .0296 | 0.004544 | 220055560.52 |
| 1124522190 | Capacitor | C339,C343,C383 | Telcordia Issue 1 | Level I | | 0.004544 | 3.00 | .0889 | 0.013633 | 220055560.52 |
| 1121647480 | Capacitor | C401 | Telcordia Issue 1 | Level I | | 0.004544 | 1.00 | .0296 | 0.004544 | 220055560.52 |
| 1301005440 | Semiconductor | D1,D2,D5,D8 | Telcordia Issue 1 | Level I | | 0.023950 | 4.00 | .6246 | 0.095799 | 41754194.40 |
| 1301005441 | Semiconductor | D4 | Telcordia Issue 1 | Level I | | 0.027266 | 1.00 | .1778 | 0.027266 | 36675926.75 |
| 1305120620 | Semiconductor | D6,D7 | Telcordia Issue 1 | Level I | | 0.079832 | 2.00 | 1.0410 | 0.159665 | 12526258.32 |
| 1301005442 | Semiconductor | D10,D17,D9 | Telcordia Issue 1 | Level I | | 0.023950 | 3.00 | .4685 | 0.071849 | 41754194.40 |
| 1301003640 | Semiconductor | D13,D15,D20,D22 | Telcordia Issue 1 | Level I | | 0.023950 | 4.00 | .6246 | 0.095799 | 41754194.40 |

AAEON Reliability Prediction Report

Part Number 9697T12002-D
Reference Des
Date 03. 13, 2009
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.10

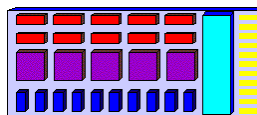


Description
File Name TF-AEC-6930-A1-1010.RPJ
Time 4:22 下午
Failure Rate 15.337038
MTBF 65,202

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Failure Rate, Unit | Quantity | Failure Rate, % | Failure Rate | MTBF, Unit |
|-------------|---------------|---|-------------------|---------|-----------|--------------------|----------|-----------------|--------------|--------------|
| 1301003640 | Semiconductor | D16 | Telcordia Issue 1 | Level I | 26.10 | 0.047713 | 1.00 | .3111 | 0.047713 | 20958479.20 |
| 1301003640 | Semiconductor | D14 | Telcordia Issue 1 | Level I | 25.00 | 0.046452 | 1.00 | .3029 | 0.046452 | 21527792.95 |
| 1300003240 | Semiconductor | D18 | Telcordia Issue 1 | Level I | | 0.023950 | 1.00 | .1562 | 0.023950 | 41754194.40 |
| 1301003440 | Semiconductor | D19 | Telcordia Issue 1 | Level I | | 0.023950 | 1.00 | .1562 | 0.023950 | 41754194.40 |
| 1301053040 | Semiconductor | D23 | Telcordia Issue 1 | Level I | | 0.023950 | 1.00 | .1562 | 0.023950 | 41754194.40 |
| 1301002240 | Semiconductor | D24,D25 | Telcordia Issue 1 | Level I | | 0.023950 | 2.00 | .3123 | 0.047899 | 41754194.40 |
| 1301003240 | Semiconductor | D26 | Telcordia Issue 1 | Level I | | 0.023950 | 1.00 | .1562 | 0.023950 | 41754194.40 |
| 1189647184 | Capacitor | EC1,EC2 | Telcordia Issue 1 | Level I | | 0.004544 | 2.00 | .0593 | 0.009089 | 220055560.52 |
| 1142547080 | Capacitor | C372,C373,EC10,EC3, EC4,EC5,EC6,EC7 | Telcordia Issue 1 | Level I | | 0.004544 | 8.00 | .2370 | 0.036354 | 220055560.52 |
| 121230603S | Inductor | FB1,FB10,FB11,FB12, FB13,FB14,FB17, FB18,FB19,FB2,FB24, FB25,FB26,FB27, FB28,FB29,FB3,FB34, FB35,FB4,FB5,FB9, L13 | Telcordia Issue 1 | Level I | | 0.002272 | 23.00 | .3407 | 0.052260 | 440111121.05 |
| 121230603J | Inductor | FB15,FB16,FB20, FB21,FB22,FB23, FB30,FB31,FB32, FB33,FB36,FB37,FB6, FB7,FB8 | Telcordia Issue 1 | Level I | | 0.002272 | 15.00 | .2222 | 0.034082 | 440111121.05 |
| 1212306033 | Inductor | L1,L2,L3 | Telcordia Issue 1 | Level I | | 0.002272 | 3.00 | .0444 | 0.006816 | 440111121.05 |
| 121230805L | Inductor | L4,L5,L6,L7,L8,L9 | Telcordia Issue 1 | Level I | | 0.002272 | 6.00 | .0889 | 0.013633 | 440111121.05 |
| 1211102266 | Inductor | L10 | Telcordia Issue 1 | Level I | 22.70 | 0.003434 | 1.00 | .0224 | 0.003434 | 291187340.83 |
| 1211102266 | Inductor | L11 | Telcordia Issue 1 | Level I | 23.00 | 0.003452 | 1.00 | .0225 | 0.003452 | 289715379.37 |
| 121110336H | Inductor | L12 | Telcordia Issue 1 | Level I | 24.40 | 0.134286 | 1.00 | .8756 | 0.134286 | 7446820.29 |
| 121110336H | Inductor | L14 | Telcordia Issue 1 | Level I | | 0.086342 | 1.00 | .5630 | 0.086342 | 11581871.61 |
| 121110100K | Inductor | L15,L16 | Telcordia Issue 1 | Level I | | 0.002272 | 2.00 | .0296 | 0.004544 | 440111121.05 |
| 121110336B | Inductor | L17 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0148 | 0.002272 | 440111121.05 |
| 1233324050 | Miscellaneous | OSC1 | Telcordia Issue 1 | Level I | | 0.360000 | 1.00 | 2.3473 | 0.360000 | 2777777.78 |
| 1310390410 | Semiconductor | Q1,Q3,Q52,Q54 | Telcordia Issue 1 | Level I | | 0.023950 | 4.00 | .6246 | 0.095799 | 41754194.40 |
| 1310390410 | Semiconductor | Q2 | Telcordia Issue 1 | Level I | 30.90 | 0.053521 | 1.00 | .3490 | 0.053521 | 18684398.86 |
| 1315700211 | Semiconductor | Q17,Q18,Q27,Q28, Q35,Q4,Q5,Q50,Q51, Q53,Q56,Q6 | Telcordia Issue 1 | Level I | | 0.079832 | 12.00 | 6.2462 | 0.957988 | 12526258.32 |
| 1315002010 | Semiconductor | Q7,Q8 | Telcordia Issue 1 | Level I | | 0.079832 | 2.00 | 1.0410 | 0.159665 | 12526258.32 |

AAEON Reliability Prediction Report

Part Number 9697T12002-D
Reference Des
Date 03. 13, 2009
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.10



Description
File Name TF-AEC-6930-A1-1010.RPJ
Time 4:22 下午
Failure Rate 15.337038
MTBF 65,202

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Failure Rate, Unit | Quantity | Failure Rate, % | Failure Rate | MTBF, Unit |
|-------------|----------|--|-------------------|---------|-----------|--------------------|----------|-----------------|--------------|--------------|
| 105A710039 | Resistor | R109,R110,R148, R202,R236,R370 | Telcordia Issue 1 | Level I | | 0.002272 | 6.00 | .0889 | 0.013633 | 440111121.05 |
| 105A703329 | Resistor | R124,R125,R134, R138,R142,R154, R178,R179,R188, R192,R196,R208, R212,R213,R222, R226,R230,R242 | Telcordia Issue 1 | Level I | | 0.002272 | 18.00 | .2667 | 0.040899 | 440111121.05 |
| 105A704709 | Resistor | R129,R131,R133, R184,R186,R187, R218,R220,R221 | Telcordia Issue 1 | Level I | | 0.002272 | 9.00 | .1333 | 0.020449 | 440111121.05 |
| 105A549919 | Resistor | R141,R195,R229 | Telcordia Issue 1 | Level I | | 0.002272 | 3.00 | .0444 | 0.006816 | 440111121.05 |
| 105A702239 | Resistor | R145,R199,R233, R261,R262,R277, R278,R315,R316, R326 | Telcordia Issue 1 | Level I | | 0.002272 | 10.00 | .1481 | 0.022722 | 440111121.05 |
| 105A700003 | Resistor | C111,C117,C185, C191,R149,R152, R203,R206,R237, R240,R412,R415, R417,R426,R440, R441,R443,R448, R472,R488,R493 | Telcordia Issue 1 | Level I | | 0.002272 | 21.00 | .3111 | 0.047715 | 440111121.05 |
| 1059700201 | Resistor | R150,R151,R204, R205,R238,R239 | Telcordia Issue 1 | Level I | | 0.002272 | 6.00 | .0889 | 0.013633 | 440111121.05 |
| 105A733009 | Resistor | R157,R166,R243, R252,R281,R396, R397 | Telcordia Issue 1 | Level I | | 0.002272 | 7.00 | .1037 | 0.015905 | 440111121.05 |
| 105A510009 | Resistor | R263,R342,R391 | Telcordia Issue 1 | Level I | | 0.002272 | 3.00 | .0444 | 0.006816 | 440111121.05 |
| 1050522004 | Resistor | R264 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0148 | 0.002272 | 440111121.05 |
| 105A702269 | Resistor | R273 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0148 | 0.002272 | 440111121.05 |
| 105A747039 | Resistor | R293,R294 | Telcordia Issue 1 | Level I | | 0.002272 | 2.00 | .0296 | 0.004544 | 440111121.05 |
| 105A756039 | Resistor | R295,R296 | Telcordia Issue 1 | Level I | | 0.002272 | 2.00 | .0296 | 0.004544 | 440111121.05 |
| 105A503039 | Resistor | R330 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0148 | 0.002272 | 440111121.05 |
| 105A506829 | Resistor | R102,R104,R329, R331 | Telcordia Issue 1 | Level I | | 0.002272 | 4.00 | .0593 | 0.009089 | 440111121.05 |
| 1050502204 | Resistor | R335,R336,R337, R338,R339,R365, R366 | Telcordia Issue 1 | Level I | | 0.002272 | 7.00 | .1037 | 0.015905 | 440111121.05 |
| 105A704739 | Resistor | R346,R347,R363, R367,R368 | Telcordia Issue 1 | Level I | | 0.002272 | 5.00 | .0741 | 0.011361 | 440111121.05 |
| 1054600289 | Resistor | R408,R416 | Telcordia Issue 1 | Level I | | 0.016408 | 2.00 | .2140 | 0.032815 | 60947424.88 |
| 1050597623 | Resistor | R409 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0148 | 0.002272 | 440111121.05 |

AAEON Reliability Prediction Report

Part Number 9697T12002-D
Reference Des
Date 03. 13, 2009
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.10



Description
File Name TF-AEC-6930-A1-1010.RPJ
Time 4:22 下午
Failure Rate 15.337038
MTBF 65,202

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Failure Rate, Unit | Quantity | Failure Rate, % | Failure Rate | MTBF, Unit |
|-------------|--------------------|---|-------------------|---------|-----------|--------------------|----------|-----------------|--------------|-------------|
| 105A518223 | Resistor | R410 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0148 | 0.002272 | 44011121.05 |
| 105A705153 | Resistor | R478 | Telcordia Issue 1 | Level I | | 0.013633 | 1.00 | .0889 | 0.013633 | 73351853.51 |
| 1059501001 | Resistor | R418 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0148 | 0.002272 | 44011121.05 |
| 105A515033 | Resistor | R419 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0148 | 0.002272 | 44011121.05 |
| 105A547523 | Resistor | R421 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0148 | 0.002272 | 44011121.05 |
| 1059700001 | Resistor | R422,R456 | Telcordia Issue 1 | Level I | | 0.002272 | 2.00 | .0296 | 0.004544 | 44011121.05 |
| 105A556223 | Resistor | R427 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0148 | 0.002272 | 44011121.05 |
| 105A701033 | Resistor | R413,R414,R423, R424,R425,R428, R445,R446,R491, R492 R431,R479 | Telcordia Issue 1 | Level I | | 0.002272 | 10.00 | .1481 | 0.022722 | 44011121.05 |
| 105A524913 | Resistor | R432 | Telcordia Issue 1 | Level I | | 0.002272 | 2.00 | .0296 | 0.004544 | 44011121.05 |
| 105A534823 | Resistor | R310,R312,R434, R476 | Telcordia Issue 1 | Level I | | 0.002272 | 4.00 | .0593 | 0.009089 | 44011121.05 |
| 105A502039 | Resistor | R442,R444 | Telcordia Issue 1 | Level I | | 0.002272 | 2.00 | .0296 | 0.004544 | 44011121.05 |
| 105A512413 | Resistor | R450 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0148 | 0.002272 | 44011121.05 |
| 1059700101 | Resistor | R452 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0148 | 0.002272 | 44011121.05 |
| 105A539203 | Resistor | R453 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0148 | 0.002272 | 44011121.05 |
| 105A710033 | Resistor | R454 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0148 | 0.002272 | 44011121.05 |
| 105A502033 | Resistor | R455,R457,R465 | Telcordia Issue 1 | Level I | | 0.002272 | 3.00 | .0444 | 0.006816 | 44011121.05 |
| 105A524303 | Resistor | R459 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0148 | 0.002272 | 44011121.05 |
| 1059710051 | Resistor | R460 | Telcordia Issue 1 | Level I | | 0.013633 | 1.00 | .0889 | 0.013633 | 73351853.51 |
| 105A515433 | Resistor | R461 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0148 | 0.002272 | 44011121.05 |
| 105A700133 | Resistor | R463 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0148 | 0.002272 | 44011121.05 |
| 105A702263 | Resistor | R468 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0148 | 0.002272 | 44011121.05 |
| 105A516923 | Resistor | R475 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0148 | 0.002272 | 44011121.05 |
| 105A507523 | Resistor | R477 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0148 | 0.002272 | 44011121.05 |
| 14S4910400 | Integrated Circuit | U1 | Telcordia Issue 1 | Level I | 30.30 | 0.132522 | 1.00 | .8641 | 0.132522 | 7545889.17 |
| 14S4871203 | Integrated Circuit | U2 | Telcordia Issue 1 | Level I | 37.40 | 0.185520 | 1.00 | 1.2096 | 0.185520 | 5390260.76 |
| 14S4121601 | Integrated Circuit | U3 | Telcordia Issue 1 | Level I | | 0.026337 | 1.00 | .1717 | 0.026337 | 37969565.62 |
| 14S4021301 | Integrated Circuit | U4,U5,U6,U7 | Telcordia Issue 1 | Level I | | 0.059802 | 4.00 | 1.5597 | 0.239207 | 16721916.86 |
| 14S5A12503 | Integrated Circuit | U13,U19,U20,U8 | Telcordia Issue 1 | Level I | | 0.059802 | 4.00 | 1.5597 | 0.239207 | 16721916.86 |

AAEON Reliability Prediction Report

Part Number 9697T12002-D
Reference Des
Date 03. 13, 2009
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.10

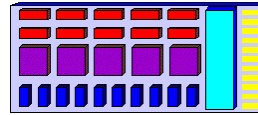


Description
File Name TF-AEC-6930-A1-1010.RPJ
Time 4:22 下午
Failure Rate 15.337038
MTBF 65,202

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Failure Rate, Unit | Quantity | Failure Rate, % | Failure Rate | MTBF, Unit |
|-------------|--------------------|-----------------|-------------------|---------|-----------|--------------------|----------|-----------------|--------------|--------------|
| 14S5A01400 | Integrated Circuit | U14,U9 | Telcordia Issue 1 | Level I | | 0.059802 | 2.00 | .7798 | 0.119604 | 16721916.86 |
| 14S4048501 | Integrated Circuit | U10,U12,U15,U17 | Telcordia Issue 1 | Level I | | 0.059802 | 4.00 | 1.5597 | 0.239207 | 16721916.86 |
| 14S5A12505 | Integrated Circuit | U11,U16 | Telcordia Issue 1 | Level I | | 0.059802 | 2.00 | .7798 | 0.119604 | 16721916.86 |
| 14S2488500 | Integrated Circuit | U18 | Telcordia Issue 1 | Level I | | 0.059802 | 1.00 | .3899 | 0.059802 | 16721916.86 |
| 14S5A00401 | Integrated Circuit | U21 | Telcordia Issue 1 | Level I | | 0.026337 | 1.00 | .1717 | 0.026337 | 37969565.62 |
| 14S4825730 | Integrated Circuit | U25 | Telcordia Issue 1 | Level I | 27.20 | 0.113894 | 1.00 | .7426 | 0.113894 | 8780131.46 |
| 14S4825730 | Integrated Circuit | U28 | Telcordia Issue 1 | Level I | 39.00 | 0.199740 | 1.00 | 1.3023 | 0.199740 | 5006513.89 |
| 14S4825730 | Integrated Circuit | U22 | Telcordia Issue 1 | Level I | 37.30 | 0.184661 | 1.00 | 1.2040 | 0.184661 | 5415325.35 |
| 14S6308001 | Integrated Circuit | U23,U26,U29 | Telcordia Issue 1 | Level I | | 0.036146 | 3.00 | .7070 | 0.108437 | 27665759.41 |
| 14S5A00601 | Integrated Circuit | U24,U27,U30 | Telcordia Issue 1 | Level I | | 0.026337 | 3.00 | .5152 | 0.079011 | 37969565.62 |
| 1315970110 | Semiconductor | U32,U33,U34 | Telcordia Issue 1 | Level I | | 0.159665 | 3.00 | 3.1231 | 0.478994 | 6263129.16 |
| 14S4911216 | Integrated Circuit | U36 | Telcordia Issue 1 | Level I | | 0.059802 | 1.00 | .3899 | 0.059802 | 16721916.86 |
| 14S4152000 | Integrated Circuit | U37 | Telcordia Issue 1 | Level I | 38.30 | 0.193406 | 1.00 | 1.2610 | 0.193406 | 5170474.06 |
| 14S2221600 | Integrated Circuit | U38 | Telcordia Issue 1 | Level I | | 0.059802 | 1.00 | .3899 | 0.059802 | 16721916.86 |
| 14S5A00700 | Integrated Circuit | U41,U42 | Telcordia Issue 1 | Level I | | 0.025394 | 2.00 | .3311 | 0.050788 | 39379309.36 |
| 14S3372801 | Integrated Circuit | U43 | Telcordia Issue 1 | Level I | 30.40 | 0.449353 | 1.00 | 2.9299 | 0.449353 | 2225423.83 |
| 14S3378000 | Integrated Circuit | U44 | Telcordia Issue 1 | Level I | 30.20 | 0.443971 | 1.00 | 2.8948 | 0.443971 | 2252396.84 |
| 1315177810 | Semiconductor | U45 | Telcordia Issue 1 | Level I | 25.80 | 0.315778 | 1.00 | 2.0589 | 0.315778 | 3166778.19 |
| 1314193110 | Integrated Circuit | U46 | Telcordia Issue 1 | Level I | | 0.059802 | 1.00 | .3899 | 0.059802 | 16721916.86 |
| 14S4650601 | Integrated Circuit | U48 | Telcordia Issue 1 | Level I | | 0.059802 | 1.00 | .3899 | 0.059802 | 16721916.86 |
| 14S3348100 | Integrated Circuit | U49 | Telcordia Issue 1 | Level I | | 0.059802 | 1.00 | .3899 | 0.059802 | 16721916.86 |
| 1231325058 | Miscellaneous | Y1,Y2,Y3 | Telcordia Issue 1 | Level I | | 0.150000 | 3.00 | 2.9341 | 0.450000 | 6666666.67 |
| 1759100006 | Miscellaneous | BZ1 | Telcordia Issue 1 | Level I | | 0.150000 | 1.00 | .9780 | 0.150000 | 6666666.67 |
| 1653925216 | Connection | CFD1 | Telcordia Issue 1 | Level I | | 0.028598 | 1.00 | .1865 | 0.028598 | 34968071.08 |
| 16540M0201 | Connection | CN1,CN11 | Telcordia Issue 1 | Level I | | 0.125829 | 2.00 | 1.6409 | 0.251658 | 7947288.88 |
| 1654030003 | Connection | CN13,CN3 | Telcordia Issue 1 | Level I | | 0.017159 | 2.00 | .2238 | 0.034317 | 58280118.46 |
| 105A501033 | Resistor | R458 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0148 | 0.002272 | 440111121.05 |
| 105A705129 | Resistor | R309 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0148 | 0.002272 | 440111121.05 |
| 16540F0200 | Connection | CN12 | Telcordia Issue 1 | Level I | | 0.085793 | 1.00 | .5594 | 0.085793 | 11656023.69 |
| 14S3088801 | Integrated Circuit | U31 | Telcordia Issue 1 | Level I | 29.10 | 0.415397 | 1.00 | 2.7085 | 0.415397 | 2407335.94 |
| 14S4070610 | Integrated Circuit | U40 | Telcordia Issue 1 | Level I | | 0.059802 | 1.00 | .3899 | 0.059802 | 16721916.86 |

AAEON Reliability Prediction Report

Part Number 9697T12002-D
Reference Des
Date 03. 13, 2009
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.10



Description
File Name TF-AEC-6930-A1-1010.RPJ
Time 4:22 下午
Failure Rate 15.337038
MTBF 65,202

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Failure Rate, Unit | Quantity | Failure Rate, % | Failure Rate | MTBF, Unit |
|-------------|------------------|--|-------------------|---------|-----------|--------------------|----------|-----------------|--------------|--------------|
| 16549B5301 | Connection | CNB1 | Telcordia Issue 1 | Level I | | 0.131549 | 1.00 | .8577 | 0.131549 | 7601754.58 |
| 1752015001 | Miscellaneous | FS1 | Telcordia Issue 1 | Level I | | 0.003000 | 1.00 | .0196 | 0.003000 | 33333333.33 |
| 1124568180 | Capacitor | C371,C379 | Telcordia Issue 1 | Level I | | 0.004544 | 2.00 | .0593 | 0.009089 | 220055560.52 |
| 1050520034 | Resistor | R435 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0148 | 0.002272 | 440111121.05 |
| 105A701053 | Resistor | R487 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0148 | 0.002272 | 440111121.05 |
| 105A503333 | Resistor | R490 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0148 | 0.002272 | 440111121.05 |
| 105A564963 | Resistor | R714,R715,R718, R723 | Telcordia Issue 1 | Level I | | 0.002272 | 4.00 | .0593 | 0.009089 | 440111121.05 |
| 1652528201 | Connection | CN5,CN6 | Telcordia Issue 1 | Level I | | 0.001144 | 2.00 | .0149 | 0.002288 | 874201776.95 |
| 1111610194 | Capacitor | C196,C198,C209, C211, C233, C234, C235, C237, C307, C311, C312, C313 | Telcordia Issue 1 | Level I | | 0.042896 | 12.00 | 3.3563 | 0.514755 | 23312047.39 |
| 1655102010 | Connection | SW1 | Telcordia Issue 1 | Level I | | 0.001144 | 1.00 | .0075 | 0.001144 | 874201776.95 |
| 1601123600 | Switching Device | S1 | Telcordia Issue 1 | Level I | | 0.028598 | 1.00 | .1865 | 0.028598 | 34968071.08 |
| 1654609300 | Connection | AUDIO1 | Telcordia Issue 1 | Level I | | 0.005148 | 1.00 | .0336 | 0.005148 | 194267061.54 |
| 1750220323 | Connection | BT1 | Telcordia Issue 1 | Level I | | 0.001144 | 1.00 | .0075 | 0.001144 | 874201776.95 |
| 1750119011 | Miscellaneous | BT1 | Telcordia Issue 1 | Level I | | 0.900000 | 1.00 | 5.8681 | 0.900000 | 1111111.11 |
| 1654430301 | Connection | CN2 | Telcordia Issue 1 | Level I | | 0.017159 | 1.00 | .1119 | 0.017159 | 58280118.46 |
| 1655005021 | Connection | CN4 | Telcordia Issue 1 | Level I | | 0.002860 | 1.00 | .0186 | 0.002860 | 349680710.78 |
| 1655304020 | Connection | CN7 | Telcordia Issue 1 | Level I | | 0.002288 | 1.00 | .0149 | 0.002288 | 437100888.47 |
| 1653622201 | Connection | CN8 | Telcordia Issue 1 | Level I | | 0.025166 | 1.00 | .1641 | 0.025166 | 39736444.41 |
| 1654606306 | Connection | CN9 | Telcordia Issue 1 | Level I | | 0.003432 | 1.00 | .0224 | 0.003432 | 291400592.32 |
| 1655003010 | Connection | CN10 | Telcordia Issue 1 | Level I | | 0.001716 | 1.00 | .0112 | 0.001716 | 582801184.63 |
| 16540F0201 | Connection | CN12 | Telcordia Issue 1 | Level I | | 0.085793 | 1.00 | .5594 | 0.085793 | 11656023.69 |
| 1654418100 | Connection | COM1,COM2 | Telcordia Issue 1 | Level I | | 0.005148 | 2.00 | .0671 | 0.010295 | 194267061.54 |
| 1181647110 | Capacitor | EC11,EC12,EC15, EC16,EC17,EC8,EC9 | Telcordia Issue 1 | Level I | | 0.004544 | 7.00 | .2074 | 0.031810 | 220055560.52 |
| 1189647193 | Capacitor | EC13,EC14,EC22 | Telcordia Issue 1 | Level I | | 0.004544 | 3.00 | .0889 | 0.013633 | 220055560.52 |
| 111961029H | Capacitor | EC19,EC20 | Telcordia Issue 1 | Level I | | 0.071494 | 2.00 | .9323 | 0.142988 | 13987228.43 |
| 1653003100 | Connection | JBAT1,JP10,JP11, JP12,JP14,JP7,JP9, JV6,JV7,JV9 | Telcordia Issue 1 | Level I | | 0.001716 | 10.00 | .1119 | 0.017159 | 582801184.63 |
| 1653003101 | Connection | JP13,JV5 | Telcordia Issue 1 | Level I | | 0.001716 | 2.00 | .0224 | 0.003432 | 582801184.63 |
| 1653003201 | Connection | JV1,JV2,JV3,JV4 | Telcordia Issue 1 | Level I | | 0.001144 | 4.00 | .0298 | 0.004576 | 874201776.95 |

AAEON Reliability Prediction Report

Part Number 969796500B-S
Reference Des
Date 03. 13, 2009
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.10

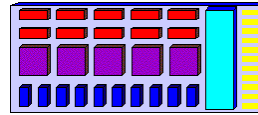


Description
File Name TF-AEC-6930-A1-1010.RPJ
Time 4:22 下午
Failure Rate 13.562134
MTBF 73,735

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Failure Rate, Unit | Quantity | Failure Rate, % | Failure Rate | MTBF, Unit |
|-------------|---------------|---|-------------------|---------|-----------|--------------------|----------|-----------------|--------------|--------------|
| 1129522790 | Capacitor | C163,C164,C211, C213,C214,C231, C234,C275,C283, C285,C288 | Telcordia Issue 1 | Level I | | 0.004544 | 11.00 | .3686 | 0.049987 | 220055560.52 |
| 1121533480 | Capacitor | C165 | Telcordia Issue 1 | Level I | | 0.004544 | 1.00 | .0335 | 0.004544 | 220055560.52 |
| 1124533280 | Capacitor | C183 | Telcordia Issue 1 | Level I | | 0.005469 | 1.00 | .0403 | 0.005469 | 182842274.63 |
| 1124533080 | Capacitor | C369,C370,C464 | Telcordia Issue 1 | Level I | | 0.004544 | 3.00 | .1005 | 0.013633 | 220055560.52 |
| 11E1501080 | Capacitor | C457 | Telcordia Issue 1 | Level I | | 0.005469 | 1.00 | .0403 | 0.005469 | 182842274.63 |
| 16515A099C | Connection | DIMM1 | Telcordia Issue 1 | Level I | | 0.114390 | 1.00 | .8435 | 0.114390 | 8742017.77 |
| 16515A099B | Connection | DIMM2 | Telcordia Issue 1 | Level I | | 0.114390 | 1.00 | .8435 | 0.114390 | 8742017.77 |
| 1301053040 | Semiconductor | D17,D19,D2,D4 | Telcordia Issue 1 | Level I | | 0.023950 | 4.00 | .7064 | 0.095799 | 41754194.40 |
| 1301005442 | Semiconductor | D14,D5,D6 | Telcordia Issue 1 | Level I | | 0.023950 | 3.00 | .5298 | 0.071849 | 41754194.40 |
| 1300001440 | Semiconductor | D12,D18,D22 | Telcordia Issue 1 | Level I | | 0.023950 | 3.00 | .5298 | 0.071849 | 41754194.40 |
| 1301005440 | Semiconductor | D13,D15,D16 | Telcordia Issue 1 | Level I | | 0.023950 | 3.00 | .5298 | 0.071849 | 41754194.40 |
| 1305099140 | Semiconductor | D20,D21 | Telcordia Issue 1 | Level I | | 0.079832 | 2.00 | 1.1773 | 0.159665 | 12526258.32 |
| 1212306033 | Inductor | FB1,FB7 | Telcordia Issue 1 | Level I | | 0.002272 | 2.00 | .0335 | 0.004544 | 440111121.05 |
| 121230603G | Inductor | FB2 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0168 | 0.002272 | 440111121.05 |
| 121230603Z | Inductor | FB3,FB4,FB5 | Telcordia Issue 1 | Level I | | 0.002272 | 3.00 | .0503 | 0.006816 | 440111121.05 |
| 121230603S | Inductor | FB6 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0168 | 0.002272 | 440111121.05 |
| 121230805X | Inductor | FB8 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0168 | 0.002272 | 440111121.05 |
| 1304001340 | Semiconductor | LED2 | Telcordia Issue 1 | Level I | | 0.004921 | 1.00 | .0363 | 0.004921 | 203197151.95 |
| 121110336B | Inductor | L1,L2 | Telcordia Issue 1 | Level I | | 0.002272 | 2.00 | .0335 | 0.004544 | 440111121.05 |
| 1211000180 | Inductor | L3 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0168 | 0.002272 | 440111121.05 |
| 1211105673 | Inductor | L4 | Telcordia Issue 1 | Level I | 39.30 | 0.170418 | 1.00 | 1.2566 | 0.170418 | 5867935.05 |
| 1211105673 | Inductor | L5 | Telcordia Issue 1 | Level I | | 0.086342 | 1.00 | .6366 | 0.086342 | 11581871.61 |
| 1211101064 | Inductor | L6 | Telcordia Issue 1 | Level I | | 0.086342 | 1.00 | .6366 | 0.086342 | 11581871.61 |
| 121110010F | Inductor | L11,L13,L7,L8 | Telcordia Issue 1 | Level I | | 0.002272 | 4.00 | .0670 | 0.009089 | 440111121.05 |
| 121110100P | Inductor | L10,L15,L9 | Telcordia Issue 1 | Level I | | 0.086342 | 3.00 | 1.9099 | 0.259025 | 11581871.61 |
| 121110336L | Inductor | L12 | Telcordia Issue 1 | Level I | 46.40 | 0.189530 | 1.00 | 1.3975 | 0.189530 | 5276215.03 |
| 1211100164 | Inductor | L14 | Telcordia Issue 1 | Level I | | 0.086342 | 1.00 | .6366 | 0.086342 | 11581871.61 |
| 1315731310 | Semiconductor | Q1,Q6 | Telcordia Issue 1 | Level I | | 0.159665 | 2.00 | 2.3546 | 0.319329 | 6263129.16 |
| 1315889612 | Semiconductor | Q2,Q4,Q5 | Telcordia Issue 1 | Level I | | 0.079832 | 3.00 | 1.7659 | 0.239497 | 12526258.32 |

AAEON Reliability Prediction Report

Part Number 969796500B-S
Reference Des
Date 03. 13, 2009
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.10



Description
File Name TF-AEC-6930-A1-1010.RPJ
Time 4:22 下午
Failure Rate 13.562134
MTBF 73,735

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Failure Rate, Unit | Quantity | Failure Rate, % | Failure Rate | MTBF, Unit |
|-------------|--------------------|--|-------------------|---------|-----------|--------------------|----------|-----------------|--------------|--------------|
| 1315889612 | Semiconductor | Q3 | Telcordia Issue 1 | Level I | 52.90 | 0.290110 | 1.00 | 2.1391 | 0.290110 | 3446963.00 |
| 1315662810 | Semiconductor | Q20,Q7 | Telcordia Issue 1 | Level I | | 0.079832 | 2.00 | 1.1773 | 0.159665 | 12526258.32 |
| 1315662210 | Semiconductor | Q23,Q8 | Telcordia Issue 1 | Level I | | 0.079832 | 2.00 | 1.1773 | 0.159665 | 12526258.32 |
| 1311006910 | Semiconductor | Q10,Q9 | Telcordia Issue 1 | Level I | | 0.023950 | 2.00 | .3532 | 0.047899 | 41754194.40 |
| 1315446310 | Semiconductor | Q11,Q15 | Telcordia Issue 1 | Level I | | 0.079832 | 2.00 | 1.1773 | 0.159665 | 12526258.32 |
| 1315441012 | Semiconductor | Q12 | Telcordia Issue 1 | Level I | 40.80 | 0.223777 | 1.00 | 1.6500 | 0.223777 | 4468728.55 |
| 1315441012 | Semiconductor | Q27 | Telcordia Issue 1 | Level I | 44.90 | 0.244856 | 1.00 | 1.8054 | 0.244856 | 4084033.43 |
| 1315230111 | Semiconductor | Q13 | Telcordia Issue 1 | Level I | | 0.159665 | 1.00 | 1.1773 | 0.159665 | 6263129.16 |
| 1315700216 | Semiconductor | Q14,Q21,Q22,Q25, Q29,Q31,Q38,Q42, Q43,Q44,Q45,Q46, Q49,Q50 | Telcordia Issue 1 | Level I | | 0.079832 | 14.00 | 8.2410 | 1.117652 | 12526258.32 |
| 1311390610 | Semiconductor | Q16,Q41 | Telcordia Issue 1 | Level I | | 0.023950 | 2.00 | .3532 | 0.047899 | 41754194.40 |
| 1310390410 | Semiconductor | Q17,Q34,Q35,Q36, Q37,Q39,Q40,Q47 | Telcordia Issue 1 | Level I | | 0.023950 | 8.00 | 1.4127 | 0.191598 | 41754194.40 |
| 1315998410 | Semiconductor | Q18,Q19 | Telcordia Issue 1 | Level I | | 0.079832 | 2.00 | 1.1773 | 0.159665 | 12526258.32 |
| 1315013810 | Semiconductor | Q26 | Telcordia Issue 1 | Level I | | 0.079832 | 1.00 | .5886 | 0.079832 | 12526258.32 |
| 131411171C | Integrated Circuit | Q28 | Telcordia Issue 1 | Level I | | 0.059802 | 1.00 | .4409 | 0.059802 | 16721916.86 |
| 1314108412 | Semiconductor | Q30 | Telcordia Issue 1 | Level I | 49.60 | 0.162459 | 1.00 | 1.1979 | 0.162459 | 6155402.29 |
| 1315270210 | Semiconductor | Q32,Q33 | Telcordia Issue 1 | Level I | | 0.079832 | 2.00 | 1.1773 | 0.159665 | 12526258.32 |
| 1540782282 | Resistor | RP1,RP2,RP3,RP4, RP5,RP6,RP7,RP8 | Telcordia Issue 1 | Level I | | 0.012549 | 8.00 | .7402 | 0.100394 | 79686328.81 |
| 106B747030 | Resistor | RT1 | Telcordia Issue 1 | Level I | | 0.011439 | 1.00 | .0843 | 0.011439 | 87420177.69 |
| 106B501032 | Resistor | RT2 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0168 | 0.002272 | 440111121.05 |
| 105A700009 | Resistor | R1,R10,R101,R108, R12,R13,R132,R133, R147,R16,R165,R166, R17,R178,R18,R182, R183,R184,R19,R20, R200,R201,R21,R229, R233,R258,R271, R272,R276,R277,R31, R32,R331,R342,R343, R346,R35,R354,R365, R368,R384,R418, R427,R428,R438, R450,R455,R463, | Telcordia Issue 1 | Level I | | 0.002272 | 63.00 | 1.0555 | 0.143146 | 440111121.05 |

AAEON Reliability Prediction Report

Part Number 969796500B-S
Reference Des
Date 03. 13, 2009
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.10

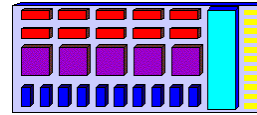


Description
File Name TF-AEC-6930-A1-1010.RPJ
Time 4:22 下午
Failure Rate 13.562134
MTBF 73,735

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Failure Rate, Unit | Quantity | Failure Rate, % | Failure Rate | MTBF, Unit |
|-------------|----------|--|-------------------|---------|-----------|--------------------|----------|-----------------|--------------|-------------|
| 105A501413 | Resistor | R2,R22,R445,R448 | Telcordia Issue 1 | Level I | | 0.002272 | 4.00 | .0670 | 0.009089 | 44011121.05 |
| 105A511523 | Resistor | R3 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0168 | 0.002272 | 44011121.05 |
| 105A701009 | Resistor | R136,R15,R209,R212, R213,R215,R230, R332,R333,R379, R395,R6,R7 | Telcordia Issue 1 | Level I | | 0.002272 | 13.00 | .2178 | 0.029538 | 44011121.05 |
| 105A535713 | Resistor | R8 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0168 | 0.002272 | 44011121.05 |
| 105A501633 | Resistor | R14 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0168 | 0.002272 | 44011121.05 |
| 105A500139 | Resistor | R23,R255,R273,R275, R278,R290,R291, R352,R36,R37,R387, R414,R430,R434, R435,R436,R45,R456, R475,R479,R494, R513,R54,R81 | Telcordia Issue 1 | Level I | | 0.002272 | 24.00 | .4021 | 0.054532 | 44011121.05 |
| 105A701039 | Resistor | R105,R106,R113, R143,R144,R164, R210,R211,R234, R235,R239,R24,R25, R266,R267,R268, R269,R270,R282, R284,R289,R294, R298,R299,R302, R303,R304,R305, R306,R317,R323, R334,R345,R350, R353,R358,R359, R360,R361,R362, | Telcordia Issue 1 | Level I | | 0.002272 | 78.00 | 1.3068 | 0.177228 | 44011121.05 |
| 105A501039 | Resistor | R205,R214,R236,R26, R281,R507 | Telcordia Issue 1 | Level I | | 0.002272 | 6.00 | .1005 | 0.013633 | 44011121.05 |
| 105A702229 | Resistor | R167,R27,R308,R344, R457,R495,R508, R509 | Telcordia Issue 1 | Level I | | 0.002272 | 8.00 | .1340 | 0.018177 | 44011121.05 |
| 105A507523 | Resistor | R29 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0168 | 0.002272 | 44011121.05 |
| 105A540213 | Resistor | R263,R30 | Telcordia Issue 1 | Level I | | 0.002272 | 2.00 | .0335 | 0.004544 | 44011121.05 |
| 105A700109 | Resistor | R177,R181,R206, R207,R34,R386,R501, R90,R91,R92 | Telcordia Issue 1 | Level I | | 0.002272 | 10.00 | .1675 | 0.022722 | 44011121.05 |
| 105A502003 | Resistor | R39,R40 | Telcordia Issue 1 | Level I | | 0.002272 | 2.00 | .0335 | 0.004544 | 44011121.05 |
| 105A530113 | Resistor | R41 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0168 | 0.002272 | 44011121.05 |
| 105A500239 | Resistor | R109,R137,R146,R43, R432,R96 | Telcordia Issue 1 | Level I | | 0.002272 | 6.00 | .1005 | 0.013633 | 44011121.05 |
| 105A532413 | Resistor | R319,R44 | Telcordia Issue 1 | Level I | | 0.002272 | 2.00 | .0335 | 0.004544 | 44011121.05 |
| 105A545303 | Resistor | R318,R46 | Telcordia Issue 1 | Level I | | 0.002272 | 2.00 | .0335 | 0.004544 | 44011121.05 |

AAEON Reliability Prediction Report

Part Number 969796500B-S
Reference Des
Date 03. 13, 2009
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.10



Description
File Name TF-AEC-6930-A1-1010.RPJ
Time 4:22 下午
Failure Rate 13.562134
MTBF 73,735

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Failure Rate, Unit | Quantity | Failure Rate, % | Failure Rate | MTBF, Unit |
|-------------|----------|---|-------------------|---------|-----------|--------------------|----------|-----------------|--------------|-------------|
| 105A705609 | Resistor | R150,R151,R152, R153,R154,R155, R156,R157,R158, R159,R160,R161, R162,R163,R185, R186,R187,R188, R189,R190,R191, R192,R193,R194, R195,R196,R197, R198,R216,R217, R218,R219,R220, R221,R222,R223, R224,R225,R226, | Telcordia Issue 1 | Level I | | 0.002272 | 58.00 | .9717 | 0.131785 | 44011121.05 |
| 1050520004 | Resistor | R168,R453,R474, R476,R477,R478, R492,R493 | Telcordia Issue 1 | Level I | | 0.002272 | 8.00 | .1340 | 0.018177 | 44011121.05 |
| 105A547503 | Resistor | R169,R439,R451, R461 | Telcordia Issue 1 | Level I | | 0.002272 | 4.00 | .0670 | 0.009089 | 44011121.05 |
| 105A549933 | Resistor | R171 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0168 | 0.002272 | 44011121.05 |
| 105A516513 | Resistor | R176 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0168 | 0.002272 | 44011121.05 |
| 105A556213 | Resistor | R179 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0168 | 0.002272 | 44011121.05 |
| 105A575033 | Resistor | R202 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0168 | 0.002272 | 44011121.05 |
| 1059700001 | Resistor | R203 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0168 | 0.002272 | 44011121.05 |
| 105A514733 | Resistor | R204 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0168 | 0.002272 | 44011121.05 |
| 105A501133 | Resistor | R208 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0168 | 0.002272 | 44011121.05 |
| 105A700003 | Resistor | R232,R237,R259, R260,R261,R264, R279,R280,R283, R330 | Telcordia Issue 1 | Level I | | 0.002272 | 10.00 | .1675 | 0.022722 | 44011121.05 |
| 105A536513 | Resistor | R262,R265 | Telcordia Issue 1 | Level I | | 0.002272 | 2.00 | .0335 | 0.004544 | 44011121.05 |
| 105A700103 | Resistor | R286,R288 | Telcordia Issue 1 | Level I | | 0.002272 | 2.00 | .0335 | 0.004544 | 44011121.05 |
| 105A526113 | Resistor | R287 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0168 | 0.002272 | 44011121.05 |
| 105A564903 | Resistor | R307 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0168 | 0.002272 | 44011121.05 |
| 105A733033 | Resistor | R313,R349 | Telcordia Issue 1 | Level I | | 0.002272 | 2.00 | .0335 | 0.004544 | 44011121.05 |
| 105A702033 | Resistor | R326,R388 | Telcordia Issue 1 | Level I | | 0.002272 | 2.00 | .0335 | 0.004544 | 44011121.05 |
| 105A708223 | Resistor | R335,R351 | Telcordia Issue 1 | Level I | | 0.002272 | 2.00 | .0335 | 0.004544 | 44011121.05 |
| 105A515009 | Resistor | R399,R400,R405, R406,R412,R413 | Telcordia Issue 1 | Level I | | 0.002272 | 6.00 | .1005 | 0.013633 | 44011121.05 |
| 105A704723 | Resistor | R402,R424 | Telcordia Issue 1 | Level I | | 0.002272 | 2.00 | .0335 | 0.004544 | 44011121.05 |

AAEON Reliability Prediction Report

Part Number 969796500B-S
Reference Des
Date 03. 13, 2009
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.10



Description
File Name TF-AEC-6930-A1-1010.RPJ
Time 4:22 下午
Failure Rate 13.562134
MTBF 73,735

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Failure Rate, Unit | Quantity | Failure Rate, % | Failure Rate | MTBF, Unit |
|-------------|--------------------|--|-------------------|----------|-----------|--------------------|----------|-----------------|--------------|--------------|
| 105A523713 | Resistor | R403 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0168 | 0.002272 | 440111121.05 |
| 105A522103 | Resistor | R415 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0168 | 0.002272 | 440111121.05 |
| 105A501323 | Resistor | R419 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0168 | 0.002272 | 440111121.05 |
| 105A518703 | Resistor | R441 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0168 | 0.002272 | 440111121.05 |
| 105A511503 | Resistor | R443 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0168 | 0.002272 | 440111121.05 |
| 105A512103 | Resistor | R454 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0168 | 0.002272 | 440111121.05 |
| 105A549969 | Resistor | R484,R485,R486, R487,R488,R489, R490,R491 | Telcordia Issue 1 | Level I | | 0.002272 | 8.00 | .1340 | 0.018177 | 440111121.05 |
| 105A517423 | Resistor | R503 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0168 | 0.002272 | 440111121.05 |
| 105A507533 | Resistor | R505 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0168 | 0.002272 | 440111121.05 |
| 105A747033 | Resistor | R510 | Telcordia Issue 1 | Level I | | 0.002272 | 1.00 | .0168 | 0.002272 | 440111121.05 |
| 1600000203 | Connection | S1 | Telcordia Issue 1 | Level I | | 0.001144 | 1.00 | .0084 | 0.001144 | 874201776.95 |
| 1189622150 | Capacitor | TC1,TC15,TC20,TC22, TC25,TC26,TC3,TC30 | Telcordia Issue 1 | Level I | | 0.004544 | 8.00 | .2681 | 0.036354 | 220055560.52 |
| 1189633160 | Capacitor | TC12,TC13,TC14, TC16,TC17,TC18, TC19,TC2,TC21,TC23, TC24,TC4,TC7,TC8, TC9 | Telcordia Issue 1 | Level I | | 0.004544 | 15.00 | .5026 | 0.068165 | 220055560.52 |
| 1142522080 | Capacitor | TC11,TC29,TC5,TC6 | Telcordia Issue 1 | Level I | | 0.004544 | 4.00 | .1340 | 0.018177 | 220055560.52 |
| 1189610151 | Capacitor | TC10,TC28 | Telcordia Issue 1 | Level I | | 0.004544 | 2.00 | .0670 | 0.009089 | 220055560.52 |
| 1189615161 | Capacitor | TC27 | Telcordia Issue 1 | Level I | | 0.042896 | 1.00 | .3163 | 0.042896 | 23312047.39 |
| 14S3626201 | Integrated Circuit | U1 | Telcordia Issue 1 | Level I | 30.50 | 0.452065 | 1.00 | 3.3333 | 0.452065 | 2212070.87 |
| 14S2262100 | Integrated Circuit | U2 | Telcordia Issue 1 | Level I | 37.60 | 0.686746 | 1.00 | 5.0637 | 0.686746 | 1456142.26 |
| 14S4195710 | Integrated Circuit | U3 | Telcordia Issue 1 | Level I | | 0.059802 | 1.00 | .4409 | 0.059802 | 16721916.86 |
| 14S2048600 | Integrated Circuit | U4 | Telcordia Issue 1 | Level I | | 0.059802 | 1.00 | .4409 | 0.059802 | 16721916.86 |
| 14S2041500 | Integrated Circuit | U5 | Telcordia Issue 1 | Level I | 25.40 | 0.331009 | 1.00 | 2.4407 | 0.331009 | 3021064.16 |
| 14S4296501 | Integrated Circuit | U8 | Telcordia Issue 1 | Level II | 40.50 | 0.071308 | 1.00 | .5258 | 0.071308 | 14023688.23 |
| 14S4256610 | Inductor | U10 | Telcordia Issue 1 | Level I | | 0.136329 | 1.00 | 1.0052 | 0.136329 | 7335185.35 |
| 14S9103200 | Integrated Circuit | U11 | Telcordia Issue 1 | Level I | | 0.059802 | 1.00 | .4409 | 0.059802 | 16721916.86 |
| 14S3950500 | Integrated Circuit | U12 | Telcordia Issue 1 | Level I | 38.60 | 0.727374 | 1.00 | 5.3633 | 0.727374 | 1374808.82 |
| 14S4751100 | Integrated Circuit | U16 | Telcordia Issue 1 | Level I | | 0.026337 | 1.00 | .1942 | 0.026337 | 37969565.62 |
| 14S4963500 | Integrated Circuit | U17 | Telcordia Issue 1 | Level I | | 0.059802 | 1.00 | .4409 | 0.059802 | 16721916.86 |
| 14S5A00821 | Integrated Circuit | U18,U19,U20,U23, U25,U26 | Telcordia Issue 1 | Level I | | 0.026337 | 6.00 | 1.1652 | 0.158021 | 37969565.62 |

