



AAEON Technology INC.
ISO-9001/ISO-14001 Certified
Industrial Automation PCs

MB-562C

Reliability Prediction Report

(MTBF)

Release Date: Nov. 02, 1999

Issue Stamp

QA Manager

QE Manager

Test Engineer

Reliability Prediction (MTBF)

I . Model Name: MB-562C

II . Description: Pentium MMX, K6 LPX Board with LCD, Ethernet, Audio, & 4 COMs

III. Prediction Date: Nov. 02, 1999

IV. Prediction Site: AAEON QE Dept.

V. Predicted by : Wen_Yuan Yang

VI. Equipment: Relx Ver.7.0 Visual Reliability Software

VII. Simulation Environment:

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

VIII. Prediction Result:

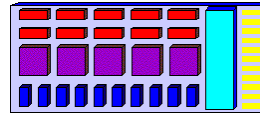
- **Failure Rate: 13.295073 ppm**
- **MTBF: 75,216. hours**

IX. 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.**

AAEON Reliability Prediction Report

Part Number 9697562001
Reference Des
Date 11. 2, 1999
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00

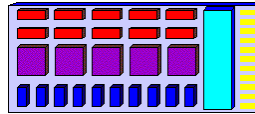


Description Top-level assembly
File Name 562c6WCPUAEl.rpj
Time 4:51 PM
Failure Rate 13.295073
MTBF 75,216

| Assembly Name | Part Number | Model | Method | Environment | Duty Cycle | Qty | Failure Rate | MTBF |
|---------------|-------------|----------|-----------------|------------------------|------------|------|--------------|--------|
| MB-562C | 9697562001 | Bellcore | Method I Case 3 | GF, GU - Ground Fixed, | 100.00 | 1.00 | 13.295073 | 75,216 |

AAEON Reliability Prediction Report

Part Number 9697562001
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Date 11. 2, 1999
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Temperature 25.00

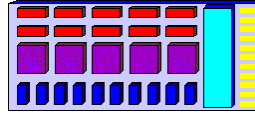


Description Top-level assembly
File Name 562c6WCPUAEl.rpj
Time 4:51 PM
Failure Rate 13.295073
MTBF 75,216

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Failure Rate, Unit | Quantity | Failure Rate, % | Failure Rate | MTBF, Unit |
|-------------|--------------------|---|-------------------|----------|-----------|--------------------|----------|-----------------|--------------|---------------|
| PENTIUM | Integrated Circuit | CPU | Bellcore Issue 6 | Level I | | 0.039296 | 1.00 | .2956 | 0.039296 | 25448028.36 |
| 101A516929 | Resistor | R122 | Bellcore Issue 6 | Level II | | 0.000403 | 1.00 | .0030 | 0.000403 | 2481946497.45 |
| 101A547039 | Resistor | R198 | Bellcore Issue 6 | Level II | | 0.000395 | 1.00 | .0030 | 0.000395 | 2530819417.20 |
| 101A590929 | Resistor | R116 | Bellcore Issue 6 | Level II | | 0.000403 | 1.00 | .0030 | 0.000403 | 2481946497.45 |
| 101A700009 | Resistor | R57,R61,R136,R137,R138,R140,R-154,R185,R225,R226 | Bellcore Issue 6 | Level I | | 0.001209 | 10.00 | .0909 | 0.012087 | 827315499.15 |
| 101A701009 | Resistor | R19,R121,R157,R174,R218,R14,R-15,R16,R17,R21,R29 | Bellcore Issue 6 | Level I | | 0.001209 | 11.00 | .1000 | 0.013296 | 827315499.15 |
| 101A701059 | Resistor | R18,R35 | Bellcore Issue 6 | Level I | | 0.001209 | 2.00 | .0182 | 0.002417 | 827315499.15 |
| 101A702229 | Resistor | R32,R33,R34,R36,R37,R45,R118,-R142 | Bellcore Issue 6 | Level I | | 0.001209 | 8.00 | .0727 | 0.009670 | 827315499.15 |
| 101A703309 | Resistor | R8,R11-R13,R20,R22,R23-R28,R4-0,R55,R60,R63,R68,R69,R70-R79-,R84-R97,R99,R100,R107,R109-R-115,R131,R133,R147,R150-R153,-R156,R206,R215 | Bellcore Issue 6 | Level I | | 0.001209 | 62.00 | .5637 | 0.074941 | 827315499.15 |
| 101A703329 | Resistor | R30,R52,R155 | Bellcore Issue 6 | Level I | | 0.001209 | 3.00 | .0273 | 0.003626 | 827315499.15 |
| 101A703339 | Resistor | R161,R170,R171 | Bellcore Issue 6 | Level I | | 0.001209 | 3.00 | .0273 | 0.003626 | 827315499.15 |
| 101A704709 | Resistor | R167 | Bellcore Issue 6 | Level I | | 0.001209 | 1.00 | .0091 | 0.001209 | 827315499.15 |
| 101A704729 | Resistor | R2,R5,R7,R9,R38,R41,R42,R47,R-49,R54,R124,R132,R135,R145,R1-46,R148,R158,R160,R178,R179,R-180,R181,R188,R190,R191,R195,-R197,R199,R200,R201,R202,R203-,R208,R210,R221 | Bellcore Issue 6 | Level I | | 0.001209 | 35.00 | .3182 | 0.042306 | 827315499.15 |
| 101A707539 | Resistor | R163 | Bellcore Issue 6 | Level I | | 0.001209 | 1.00 | .0091 | 0.001209 | 827315499.15 |
| 101A710019 | Resistor | R62,R98,R105,R117,R144,R149,R-166,R176,R130,R143 | Bellcore Issue 6 | Level I | | 0.001209 | 10.00 | .0909 | 0.012087 | 827315499.15 |
| 101A710029 | Resistor | R4,R6,R31,R43,R50,R51,R123,R1-29,R159,R164,R165,R204,R207, | Bellcore Issue 6 | Level I | | 0.001209 | 13.00 | .1182 | 0.015713 | 827315499.15 |
| 101A715009 | Resistor | R213,R214,R217 | Bellcore Issue 6 | Level I | | 0.001209 | 3.00 | .0273 | 0.003626 | 827315499.15 |
| 101A715029 | Resistor | R125-R128 | Bellcore Issue 6 | Level I | | 0.001209 | 4.00 | .0364 | 0.004835 | 827315499.15 |
| 101A722009 | Resistor | R162,R219,R220 | Bellcore Issue 6 | Level I | | 0.001209 | 3.00 | .0273 | 0.003626 | 827315499.15 |
| 101A722039 | Resistor | R169,R172,R196 | Bellcore Issue 6 | Level I | | 0.001209 | 3.00 | .0273 | 0.003626 | 827315499.15 |
| 101A33009 | Resistor | R173,R177,R187,R193,R209,R211-,R212 | Bellcore Issue 6 | Level I | | 0.001209 | 7.00 | .0636 | 0.008461 | 827315499.15 |

AAEON Reliability Prediction Report

Part Number 9697562001
Reference Des
Date 11. 2, 1999
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00

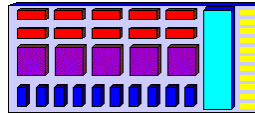


Description Top-level assembly
File Name 562c6WCPUAEI.rpj
Time 4:51 PM
Failure Rate 13.295073
MTBF 75,216

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Failure Rate, Unit | Quantity | Failure Rate, % | Failure Rate | MTBF, Unit |
|-------------|-----------|---|-------------------|---------|-----------|--------------------|----------|-----------------|--------------|--------------|
| 101A747009 | Resistor | R44,R64,R65 | Bellcore Issue 6 | Level I | | 0.001209 | 3.00 | .0273 | 0.003626 | 827315499.15 |
| 101A756009 | Resistor | R205 | Bellcore Issue 6 | Level I | | 0.001209 | 1.00 | .0091 | 0.001209 | 827315499.15 |
| 101A782009 | Resistor | R80 | Bellcore Issue 6 | Level I | | 0.001209 | 1.00 | .0091 | 0.001209 | 827315499.15 |
| 105A528713 | Resistor | R104 | Bellcore Issue 6 | Level I | | 0.001209 | 1.00 | .0091 | 0.001209 | 827315499.15 |
| 105A571533 | Resistor | R103 | Bellcore Issue 6 | Level I | | 0.001209 | 1.00 | .0091 | 0.001209 | 827315499.15 |
| 1111622191 | Capacitor | EC2-EC5 | Bellcore Issue 6 | Level I | | 0.027242 | 4.00 | .8196 | 0.108968 | 36707972.85 |
| 1111647190 | Capacitor | EC17,EC18 | Bellcore Issue 6 | Level I | | 0.045403 | 2.00 | .6830 | 0.090807 | 22024783.71 |
| 1119610290 | Capacitor | EC20 | Bellcore Issue 6 | Level I | | 0.071121 | 1.00 | .5349 | 0.071121 | 14060484.33 |
| 1119610291 | Capacitor | EC6-EC11 | Bellcore Issue 6 | Level I | | 0.075338 | 6.00 | 3.4000 | 0.452029 | 13273483.15 |
| 1121701050 | Capacitor | C12,C26,C30,BC10,BC13,BC14,B-C16,BC17,BC20,BC24,BC54,BC57--BC59,C107,C109,C113,C116,C117,BC166,BC169,BC175 | Bellcore Issue 6 | Level I | | 0.002539 | 23.00 | .4392 | 0.058397 | 393852661.82 |
| 1122701680 | Capacitor | BC1,BC5,C13,C14,C27,C28,C61,C64,C76,C79,C84,BC18,BC19,BC21-BC23,BC25-BC30,BC32-BC37,BC39,BC40,BC42,BC44-BC48,BC50--BC53,BC55,BC56,BC60-BC64,BC66,BC68,BC70-BC74,BC77-BC98,-C114,C162,BC100,BC101,BC167,-BC168,BC103-BC165,BC176-BC204,BC170-BC174 | Bellcore Issue 6 | Level I | | 0.001598 | 180.00 | 2.1629 | 0.287561 | 625953979.55 |
| 1124501780 | Capacitor | BC2-BC4,BC6-BC9,C81,C82,BC11-,BC12,BC15,BC38,BC41,BC43,BC49,BC65,BC69,BC75,BC76,BC99,-C165,C166,BC102 | Bellcore Issue 6 | Level I | | 0.001060 | 24.00 | .1914 | 0.025445 | 943198589.05 |
| 1124510080 | Capacitor | C1-C8,C15-C24,C67 | Bellcore Issue 6 | Level I | | 0.001060 | 20.00 | .1595 | 0.021204 | 943198589.05 |
| 1124510280 | Capacitor | C25,C29,C33--C38,C77,C80,C83,-C96,C97,C110,C111,C115,C118 | Bellcore Issue 6 | Level I | | 0.001060 | 17.00 | .1356 | 0.018024 | 943198589.05 |
| 1124518180 | Capacitor | C43-C59,C119-C159 | Bellcore Issue 6 | Level I | | 0.001060 | 58.00 | .4625 | 0.061493 | 943198589.05 |
| 1124520080 | Capacitor | C9,C11,C164 | Bellcore Issue 6 | Level I | | 0.001060 | 3.00 | .0239 | 0.003181 | 943198589.05 |
| 1124522080 | Capacitor | C39,C40 | Bellcore Issue 6 | Level I | | 0.001060 | 2.00 | .0159 | 0.002120 | 943198589.05 |
| 1124533080 | Capacitor | C10 | Bellcore Issue 6 | Level I | | 0.001060 | 1.00 | .0080 | 0.001060 | 943198589.05 |
| 1124547080 | Capacitor | C31,C32,C41,C42,C62,C63,C68,C69,C71,C72,C85,C87,C88,C89,C100-C103,C160,C161,C163 | Bellcore Issue 6 | Level I | | 0.001060 | 21.00 | .1675 | 0.022265 | 943198589.05 |

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Part Number 9697562001
Reference Des
Date 11. 2, 1999
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00

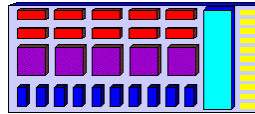


Description Top-level assembly
File Name 562c6WCPUAEI.rpj
Time 4:51 PM
Failure Rate 13.295073
MTBF 75,216

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Failure Rate, Unit | Quantity | Failure Rate, % | Failure Rate | MTBF, Unit |
|-------------|--------------------|---|-------------------|---------|-----------|--------------------|----------|-----------------|--------------|--------------|
| 1124547180 | Capacitor | C78,BC31 | Bellcore Issue 6 | Level I | | 0.001060 | 2.00 | .0159 | 0.002120 | 943198589.05 |
| 1141601090 | Capacitor | TC7 | Bellcore Issue 6 | Level I | | 0.001637 | 1.00 | .0123 | 0.001637 | 610743359.67 |
| 1141610050 | Capacitor | TC1-TC4,TC8-TC36,TC38,TC39,T-C41,TC42,TC45-TC48 | Bellcore Issue 6 | Level I | | 0.002357 | 41.00 | .7269 | 0.096640 | 424256814.77 |
| 1141647080 | Capacitor | TC5,TC6 | Bellcore Issue 6 | Level I | | 0.002357 | 2.00 | .0355 | 0.004714 | 424256814.77 |
| 1149610180 | Capacitor | TC37,TC40,TC43,TC44 | Bellcore Issue 6 | Level I | | 0.001404 | 4.00 | .0422 | 0.005617 | 712185876.89 |
| 1189622110 | Capacitor | EC1,EC19 | Bellcore Issue 6 | Level I | | 0.028376 | 2.00 | .4269 | 0.056753 | 35240428.38 |
| 1189633110 | Capacitor | EC12-EC16 | Bellcore Issue 6 | Level I | | 0.045203 | 5.00 | 1.7000 | 0.226015 | 22122471.91 |
| 1211102761 | Inductor | L13 | Bellcore Issue 6 | Level I | 15.40 | 0.114812 | 1.00 | .8636 | 0.114812 | 8709906.14 |
| 1212308050 | Inductor | L1-L3,L6-L11,L14-L20,L23-L25,L27-L32,L5 | Bellcore Issue 6 | Level I | | 0.002268 | 26.00 | .4435 | 0.058960 | 440974090.03 |
| 1231120050 | Miscellaneous | Y3 | Bellcore Issue 6 | Level I | | 0.150000 | 1.00 | 1.1282 | 0.150000 | 6666666.67 |
| 1231143180 | Miscellaneous | Y1 | Bellcore Issue 6 | Level I | | 0.150000 | 1.00 | 1.1282 | 0.150000 | 6666666.67 |
| 1231327680 | Miscellaneous | Y2 | Bellcore Issue 6 | Level I | | 0.150000 | 1.00 | 1.1282 | 0.150000 | 6666666.67 |
| 1252000020 | Integrated Circuit | U48 | Bellcore Issue 6 | Level I | 15.30 | 0.172146 | 1.00 | 1.2948 | 0.172146 | 5809016.07 |
| 1300001240 | Semiconductor | D4 | Bellcore Issue 6 | Level I | | 0.002801 | 1.00 | .0211 | 0.002801 | 357030107.40 |
| 1300001440 | Semiconductor | D5 | Bellcore Issue 6 | Level I | | 0.002801 | 1.00 | .0211 | 0.002801 | 357030107.40 |
| 1300164000 | Semiconductor | U44 | Bellcore Issue 6 | Level I | 15.00 | 0.036000 | 1.00 | .2708 | 0.036000 | 27777777.78 |
| 1300414800 | Semiconductor | D1,D3,D6-D17 | Bellcore Issue 6 | Level I | | 0.023881 | 14.00 | 2.5147 | 0.334334 | 41874327.58 |
| 1304100200 | Semiconductor | D2 | Bellcore Issue 6 | Level I | | 0.003563 | 1.00 | .0268 | 0.003563 | 280653302.08 |
| 1310390410 | Semiconductor | Q2,Q3 | Bellcore Issue 6 | Level I | | 0.005092 | 2.00 | .0766 | 0.010183 | 196396984.17 |
| 1311390610 | Semiconductor | Q1 | Bellcore Issue 6 | Level I | | 0.005741 | 1.00 | .0432 | 0.005741 | 174188498.97 |
| 1315450300 | Semiconductor | Q4,Q5 | Bellcore Issue 6 | Level I | 12.00 | 0.099736 | 2.00 | 1.5003 | 0.199472 | 10026444.80 |
| 1428274125 | Integrated Circuit | U32 | Bellcore Issue 6 | Level I | | 0.068574 | 1.00 | .5158 | 0.068574 | 14582731.04 |
| 1428474008 | Integrated Circuit | U23 | Bellcore Issue 6 | Level I | | 0.064937 | 1.00 | .4884 | 0.064937 | 15399556.24 |
| 1428474244 | Integrated Circuit | U25 | Bellcore Issue 6 | Level I | 4.40 | 0.080163 | 1.00 | .6030 | 0.080163 | 12474566.98 |
| 1428474245 | Integrated Circuit | U10,U11,U13,U14 | Bellcore Issue 6 | Level I | 23.00 | 0.177255 | 4.00 | 5.3330 | 0.709022 | 5641577.26 |
| 1440474004 | Integrated Circuit | U3,U24 | Bellcore Issue 6 | Level I | 13.00 | 0.115258 | 2.00 | 1.7338 | 0.230515 | 8676209.89 |
| 14D1151700 | Integrated Circuit | U5 | Bellcore Issue 6 | Level I | 25.70 | 0.335142 | 1.00 | 2.5208 | 0.335142 | 2983810.94 |
| 14D3000110 | Integrated Circuit | U49 | Bellcore Issue 6 | Level I | 3.00 | 0.039373 | 1.00 | .2961 | 0.039373 | 25398365.86 |
| 14D3780500 | Integrated Circuit | U8 | Bellcore Issue 6 | Level I | 23.00 | 0.156496 | 1.00 | 1.1771 | 0.156496 | 6389929.53 |
| 14D6202000 | Integrated Circuit | U20 | Bellcore Issue 6 | Level I | | 0.136173 | 1.00 | 1.0242 | 0.136173 | 7343591.05 |

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Temperature 25.00

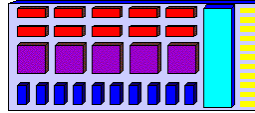


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File Name 562c6WCPUAEI.rpj
Time 4:51 PM
Failure Rate 13.295073
MTBF 75,216

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Failure Rate, Unit | Quantity | Failure Rate, % | Failure Rate | MTBF, Unit |
|-------------|--------------------|--|-------------------|---------|-----------|--------------------|----------|-----------------|--------------|--------------|
| 14S1456000 | Integrated Circuit | U9 | Bellcore Issue 6 | Level I | 23.00 | 0.171467 | 1.00 | 1.2897 | 0.171467 | 5832011.23 |
| 14S3515600 | Integrated Circuit | U45 | Bellcore Issue 6 | Level I | 10.00 | 0.120485 | 1.00 | .9062 | 0.120485 | 8299772.79 |
| 14S4048500 | Integrated Circuit | U46,U47 | Bellcore Issue 6 | Level I | | 0.039668 | 2.00 | .5967 | 0.079337 | 25209006.03 |
| 14S4066900 | Integrated Circuit | U37 | Bellcore Issue 6 | Level I | 12.00 | 0.077420 | 1.00 | .5823 | 0.077420 | 12916624.12 |
| 14S4071100 | Integrated Circuit | U12 | Bellcore Issue 6 | Level I | 26.00 | 0.160276 | 1.00 | 1.2055 | 0.160276 | 6239240.09 |
| 14S4418500 | Integrated Circuit | U18,U26,U29,U34 | Bellcore Issue 6 | Level I | 21.00 | 0.133077 | 4.00 | 4.0038 | 0.532307 | 7514454.42 |
| 14S4555001 | Integrated Circuit | U36 | Bellcore Issue 6 | Level I | 38.00 | 0.284957 | 1.00 | 2.1433 | 0.284957 | 3509296.30 |
| 14S4558200 | Integrated Circuit | U15 | Bellcore Issue 6 | Level I | 17.00 | 0.101144 | 1.00 | .7608 | 0.101144 | 9886920.11 |
| 14S4802910 | Integrated Circuit | U28 | Bellcore Issue 6 | Level I | 12.00 | 0.077420 | 1.00 | .5823 | 0.077420 | 12916624.12 |
| 14S4821700 | Integrated Circuit | U7 | Bellcore Issue 6 | Level I | 23.00 | 0.283084 | 1.00 | 2.1292 | 0.283084 | 3532517.66 |
| 14S4866900 | Integrated Circuit | U30 | Bellcore Issue 6 | Level I | 17.00 | 0.101144 | 1.00 | .7608 | 0.101144 | 9886920.11 |
| 14S5513800 | Integrated Circuit | U27 | Bellcore Issue 6 | Level I | 3.00 | 0.074382 | 1.00 | .5595 | 0.074382 | 13444079.84 |
| 14S5513800 | Integrated Circuit | U22 | Bellcore Issue 6 | Level I | 3.20 | 0.076885 | 1.00 | .5783 | 0.076885 | 13006492.19 |
| 14S5701410 | Integrated Circuit | U39 | Bellcore Issue 6 | Level I | 3.00 | 0.045117 | 1.00 | .3394 | 0.045117 | 22164547.86 |
| 14S6024000 | Integrated Circuit | U17 | Bellcore Issue 6 | Level I | 21.00 | 1.272729 | 1.00 | 9.5729 | 1.272729 | 785713.30 |
| 14S6025610 | Integrated Circuit | U16 | Bellcore Issue 6 | Level I | 18.00 | 0.620262 | 1.00 | 4.6654 | 0.620262 | 1612221.44 |
| 14S6125802 | Integrated Circuit | U40-U43 | Bellcore Issue 6 | Level I | 13.00 | 0.200684 | 4.00 | 6.0378 | 0.802736 | 4982959.13 |
| 14S6334600 | Integrated Circuit | U33 | Bellcore Issue 6 | Level I | 3.00 | 0.038024 | 1.00 | .2860 | 0.038024 | 26299236.28 |
| 14S6336600 | Integrated Circuit | U6 | Bellcore Issue 6 | Level I | 23.00 | 0.194999 | 1.00 | 1.4667 | 0.194999 | 5128238.97 |
| 14S8203250 | Integrated Circuit | U31 | Bellcore Issue 6 | Level I | 17.50 | 0.103835 | 1.00 | .7810 | 0.103835 | 9630627.77 |
| 14S8416800 | Integrated Circuit | U35 | Bellcore Issue 6 | Level I | 12.00 | 0.077420 | 1.00 | .5823 | 0.077420 | 12916624.12 |
| 14S9055500 | Integrated Circuit | U38 | Bellcore Issue 6 | Level I | 3.00 | 0.054381 | 1.00 | .4090 | 0.054381 | 18388737.76 |
| 14S9486101 | Integrated Circuit | U4 | Bellcore Issue 6 | Level I | 24.60 | 0.312974 | 1.00 | 2.3541 | 0.312974 | 3195151.78 |
| 1500747210 | Resistor | RP1-RP7 | Bellcore Issue 6 | Level I | | 0.028107 | 7.00 | 1.4799 | 0.196749 | 35578393.78 |
| 154070008 | Resistor | RN14-RN17,RN19,RN29,RN32-RN-34,RN54,RN55 | Bellcore Issue 6 | Level I | | 0.006246 | 11.00 | .5168 | 0.068706 | 160102772.00 |
| 1540701308 | Resistor | RN56,RN57,RN60,RN61,RN65 | Bellcore Issue 6 | Level I | | 0.006246 | 5.00 | .2349 | 0.031230 | 160102772.00 |
| 1540710008 | Resistor | RN9,RN10 | Bellcore Issue 6 | Level I | | 0.006246 | 2.00 | .0940 | 0.012492 | 160102772.00 |
| 1540710308 | Resistor | RN1,RN5,RN20,RN22 | Bellcore Issue 6 | Level I | | 0.006246 | 4.00 | .1879 | 0.024984 | 160102772.00 |
| 1540733008 | Resistor | RN2-RN4,RN6-RN8,RN21,RN23--RN28,RN30,RN31,RN39,RN41,RN-43,RN45,RN58,RN59,RN62,RN63 | Bellcore Issue 6 | Level I | | 0.006246 | 23.00 | 1.0805 | 0.143658 | 160102772.00 |

AAEON Reliability Prediction Report

Part Number 9697562001
Reference Des
Date 11. 2, 1999
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00



Description Top-level assembly
File Name 562c6WCPUAEI.rpj
Time 4:51 PM
Failure Rate 13.295073
MTBF 75,216

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Failure Rate, Unit | Quantity | Failure Rate, % | Failure Rate | MTBF, Unit |
|-------------|------------------|---|-------------------|---------|-----------|--------------------|----------|-----------------|--------------|--------------|
| 1540747208 | Resistor | RN11,RN13,RN18,RN35-RN38,RN-40,RN42,RN44,RN46-RN53,RN64 | Bellcore Issue 6 | Level I | | 0.006246 | 19.00 | .8926 | 0.118674 | 160102772.00 |
| 1600000300 | Switching Device | S1 | Bellcore Issue 6 | Level I | | 0.024815 | 1.00 | .1867 | 0.024815 | 40297682.24 |
| 1600000400 | Switching Device | SW4 | Bellcore Issue 6 | Level I | | 0.033087 | 1.00 | .2489 | 0.033087 | 30223261.68 |
| 1600000600 | Switching Device | SWA | Bellcore Issue 6 | Level I | | 0.041359 | 1.00 | .3111 | 0.041359 | 24178609.34 |
| 1651003222 | Connection | U19,U20 | Bellcore Issue 6 | Level I | | 0.018207 | 2.00 | .2739 | 0.036414 | 54923766.92 |
| 1651572000 | Connection | SIMM1,SIMM2 | Bellcore Issue 6 | Level I | | 0.040966 | 2.00 | .6163 | 0.081932 | 24410563.08 |
| 1651584490 | Connection | DIMM1 | Bellcore Issue 6 | Level I | | 0.095587 | 1.00 | .7190 | 0.095587 | 10461669.89 |
| 1651605920 | Connection | U21 | Bellcore Issue 6 | Level I | | 0.182640 | 1.00 | 1.3737 | 0.182640 | 5475266.48 |
| 1652508202 | Connection | CN23 | Bellcore Issue 6 | Level I | | 0.004552 | 1.00 | .0342 | 0.004552 | 219695067.68 |
| 1653002100 | Connection | CN7 | Bellcore Issue 6 | Level I | | 0.001138 | 1.00 | .0086 | 0.001138 | 878780270.71 |
| 1653002200 | Connection | (JP12,JP13),JP14,(JP9,JP10),(SW-2,SW3) | Bellcore Issue 6 | Level I | | 0.002276 | 4.00 | .0685 | 0.009104 | 439390135.35 |
| 1653003100 | Connection | JP1,JP5,JP6,JP8 | Bellcore Issue 6 | Level I | | 0.001707 | 4.00 | .0514 | 0.006828 | 585853513.81 |
| 1653003200 | Connection | JP11,JP17 | Bellcore Issue 6 | Level I | | 0.003414 | 2.00 | .0514 | 0.006828 | 292926756.90 |
| 1653004100 | Connection | CN8,CN12 | Bellcore Issue 6 | Level I | | 0.002276 | 2.00 | .0342 | 0.004552 | 439390135.35 |
| 1653005100 | Connection | JP4,JP15 | Bellcore Issue 6 | Level I | | 0.002845 | 2.00 | .0428 | 0.005690 | 351512108.28 |
| 1653007200 | Connection | (JP18,JP19,CN22) | Bellcore Issue 6 | Level I | | 0.003983 | 1.00 | .0300 | 0.003983 | 251080077.35 |
| 1653207200 | Connection | CN20 | Bellcore Issue 6 | Level I | | 0.007966 | 1.00 | .0599 | 0.007966 | 125540038.67 |
| 1653213201 | Connection | CN16 | Bellcore Issue 6 | Level I | | 0.014793 | 1.00 | .1113 | 0.014793 | 67598482.36 |
| 1653217202 | Connection | J1 | Bellcore Issue 6 | Level I | | 0.019345 | 1.00 | .1455 | 0.019345 | 51692957.10 |
| 1653220203 | Connection | CN5 | Bellcore Issue 6 | Level I | | 0.022759 | 1.00 | .1712 | 0.022759 | 43939013.54 |
| 1653222200 | Connection | CN6,CN18 | Bellcore Issue 6 | Level I | | 0.025035 | 2.00 | .3766 | 0.050069 | 39944557.76 |
| 1654294200 | Connection | CN13 | Bellcore Issue 6 | Level I | | 0.106966 | 1.00 | .8046 | 0.106966 | 9348726.28 |
| 1654415500 | Connection | (CN9,CN10) | Bellcore Issue 6 | Level I | | 0.008535 | 1.00 | .0642 | 0.008535 | 117170702.76 |
| 1654418100 | Connection | (CN14,CN15) | Bellcore Issue 6 | Level I | | 0.010241 | 1.00 | .0770 | 0.010241 | 97642252.30 |
| 1654449501 | Connection | (CN17,CN19,CN21) | Bellcore Issue 6 | Level I | | 0.027880 | 1.00 | .2097 | 0.027880 | 35868582.48 |
| 1654612300 | Connection | CN4 | Bellcore Issue 6 | Level I | | 0.006828 | 1.00 | .0514 | 0.006828 | 146463378.45 |
| 1654808300 | Connection | (CN2,CN3) | Bellcore Issue 6 | Level I | | 0.004552 | 1.00 | .0342 | 0.004552 | 219695067.68 |
| 1655112010 | Connection | CN1 | Bellcore Issue 6 | Level I | | 0.006828 | 1.00 | .0514 | 0.006828 | 146463378.45 |
| 1655304020 | Connection | CN11 | Bellcore Issue 6 | Level I | | 0.002845 | 1.00 | .0214 | 0.002845 | 351512108.28 |
| 1655305020 | Connection | JP7 | Bellcore Issue 6 | Level I | | 0.002845 | 1.00 | .0214 | 0.002845 | 351512108.28 |

