



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

GENE-4312

Reliability Prediction Report

(MTBF)

Release Date: JUNE.11, 2002

Issue Stamp

QA Manager

QE Manager

Test Engineer

Reliability Prediction (MTBF)

I . Model Name: GENE-4312

II . Description: AIO SubCompact Board. GX1-300. TV/LCD/LVDS/Dual LAN/Audio.

III . Prediction Date: JUNE. 11. 2002

IV . Prediction Site: AAEON QE Dept.

V . Predicted by : Art Liao

VI . Equipment: Relx Ver.7.2 Visual Reliability Software

VII. Simulation Environment:

- Temperature: -20 degrees C(No temperature rise condition)
- Standard: Telcordia (Bellcore) Standard

VIII. 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.

IX. Prediction Result:

- Failure Rate: 7.123121ppm
- MTBF: 140.388Hours(**about 16.03 years**)

X. Prediction Table:

AAEON Reliability Prediction Report

Part Number 9697431200
Reference Des
Date 06. 11, 2002
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00

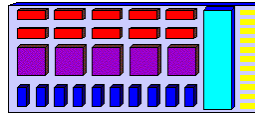


Description Top-level assembly
File Name Gene4312--20DC.RPJ
Time 3:36 PM
Failure Rate 7.123121
MTBF 140,388

| Assembly Name | Part Number | Model | Method | Environment | Duty Cycle | Qty | Failure Rate | MTBF |
|---------------|-------------|----------|-----------------|------------------------|------------|------|--------------|---------|
| GENE-4312T | 9697431200 | Bellcore | Method I Case 3 | GF, GU - Ground Fixed, | 100.00 | 1.00 | 7.123121 | 140,388 |

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Part Number 9697431200
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Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00

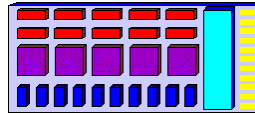


Description Top-level assembly
File Name Gene4312--20DC.RPJ
Time 3:36 PM
Failure Rate 7.123121
MTBF 140,388

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Failure Rate, Unit | Quantity | Failure Rate, % | Failure Rate | MTBF, Unit |
|-------------|----------|--|-------------------|---------|-----------|--------------------|----------|-----------------|--------------|--------------|
| 105A500133 | Resistor | R59,R71,R88,R93,R98,R100,R102-103,R105,R122,R149-150,R162,R166,R260,R295,R311 | Bellcore Issue 6 | Level I | | 0.002268 | 17.00 | .5412 | 0.038551 | 440974090.03 |
| 105A502833 | Resistor | R127 | Bellcore Issue 6 | Level I | | 0.002268 | 1.00 | .0318 | 0.002268 | 440974090.03 |
| 105A521033 | Resistor | R130 | Bellcore Issue 6 | Level I | | 0.002268 | 1.00 | .0318 | 0.002268 | 440974090.03 |
| 105A560423 | Resistor | R134-135 | Bellcore Issue 6 | Level I | | 0.002268 | 2.00 | .0637 | 0.004535 | 440974090.03 |
| 105A511503 | Resistor | R197 | Bellcore Issue 6 | Level I | | 0.002268 | 1.00 | .0318 | 0.002268 | 440974090.03 |
| 105A518703 | Resistor | R200 | Bellcore Issue 6 | Level I | | 0.002268 | 1.00 | .0318 | 0.002268 | 440974090.03 |
| 105A549963 | Resistor | R303-304,R308-309,R319-320,R324-325 | Bellcore Issue 6 | Level I | | 0.002268 | 8.00 | .2547 | 0.018142 | 440974090.03 |
| 105A502033 | Resistor | R196 | Bellcore Issue 6 | Level I | | 0.002268 | 1.00 | .0318 | 0.002268 | 440974090.03 |
| 105A511823 | Resistor | R194 | Bellcore Issue 6 | Level I | | 0.002268 | 1.00 | .0318 | 0.002268 | 440974090.03 |
| 105A501033 | Resistor | R124,R126,R129,R133 | Bellcore Issue 6 | Level I | | 0.002268 | 4.00 | .1273 | 0.009071 | 440974090.03 |
| 105A590923 | Resistor | R131 | Bellcore Issue 6 | Level I | | 0.002268 | 1.00 | .0318 | 0.002268 | 440974090.03 |
| 105A507503 | Resistor | R152-154,R278-279,R282 | Bellcore Issue 6 | Level I | | 0.002268 | 6.00 | .1910 | 0.013606 | 440974090.03 |
| 105A705623 | Resistor | R301,R317 | Bellcore Issue 6 | Level I | | 0.002268 | 2.00 | .0637 | 0.004535 | 440974090.03 |
| 105A702203 | Resistor | R36,R62,R68,R140,R206-210,R212-213,R216,R283,R287-288,R294 | Bellcore Issue 6 | Level I | | 0.002268 | 16.00 | .5094 | 0.036283 | 440974090.03 |
| 105A701033 | Resistor | R6-8,R11,R14,R32,R34,R48,R56,R67,R77-79,R95,R104,R112,R116,R123,R132,R146-147,R155,R160-161,R163-165,R259,R276 | Bellcore Issue 6 | Level I | | 0.002268 | 29.00 | .9232 | 0.065764 | 440974090.03 |
| 105A733003 | Resistor | R37,R257,R258,R306-307,R322-323 | Bellcore Issue 6 | Level I | | 0.002268 | 7.00 | .2229 | 0.015874 | 440974090.03 |
| 105A710053 | Resistor | R50 | Bellcore Issue 6 | Level I | | 0.013606 | 1.00 | .1910 | 0.013606 | 73495681.67 |
| 105A702223 | Resistor | R51-52,R113,R156-157,R284 | Bellcore Issue 6 | Level I | | 0.002268 | 6.00 | .1910 | 0.013606 | 440974090.03 |
| 105A747003 | Resistor | R60,R285 | Bellcore Issue 6 | Level I | | 0.002268 | 2.00 | .0637 | 0.004535 | 440974090.03 |
| 105A704703 | Resistor | R64,R66,R69-70,R263 | Bellcore Issue 6 | Level I | | 0.002268 | 5.00 | .1592 | 0.011339 | 440974090.03 |
| 105A710033 | Resistor | R90-91,R141 | Bellcore Issue 6 | Level I | | 0.002268 | 3.00 | .0955 | 0.006803 | 440974090.03 |
| 105A702233 | Resistor | R111,R198 | Bellcore Issue 6 | Level I | | 0.002268 | 2.00 | .0637 | 0.004535 | 440974090.03 |
| 105A702723 | Resistor | R300,R316 | Bellcore Issue 6 | Level I | | 0.002268 | 2.00 | .0637 | 0.004535 | 440974090.03 |
| 105A705103 | Resistor | R195 | Bellcore Issue 6 | Level I | | 0.002268 | 1.00 | .0318 | 0.002268 | 440974090.03 |
| 105A700233 | Resistor | R261 | Bellcore Issue 6 | Level I | | 0.002268 | 1.00 | .0318 | 0.002268 | 440974090.03 |
| 105A736003 | Resistor | R281 | Bellcore Issue 6 | Level I | | 0.002268 | 1.00 | .0318 | 0.002268 | 440974090.03 |

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Temperature 25.00

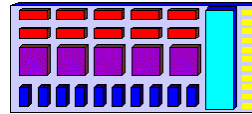


Description Top-level assembly
File Name Gene4312--20DC.RPJ
Time 3:36 PM
Failure Rate 7.123121
MTBF 140,388

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Failure Rate, Unit | Quantity | Failure Rate, % | Failure Rate | MTBF, Unit |
|-------------|-----------|--|-------------------|---------|-----------|--------------------|----------|-----------------|--------------|--------------|
| 105A701823 | Resistor | R299,R315 | Bellcore Issue 6 | Level I | | 0.002268 | 2.00 | .0637 | 0.004535 | 440974090.03 |
| 105A768003 | Resistor | R33 | Bellcore Issue 6 | Level I | | 0.002268 | 1.00 | .0318 | 0.002268 | 440974090.03 |
| 105A701003 | Resistor | R12-13,R15-23,R80-83,R128,R136-R138 | Bellcore Issue 6 | Level I | | 0.002268 | 18.00 | .5730 | 0.040819 | 440974090.03 |
| 105A700003 | Resistor | C142-143,FB55,FB74,R38,R49,R1-25,R139,R191,R193,R272-273,R2-80,R291,R293,R298,R302,R305,R-310,R314,R318,R321,R326,R329,-R330 | Bellcore Issue 6 | Level I | | 0.002268 | 26.00 | .8277 | 0.058960 | 440974090.03 |
| 105A703303 | Resistor | R1-5,R9-10,R27,R41-46,R57-58,R-92,R144-145,R158-159,R275,R277 | Bellcore Issue 6 | Level I | | 0.002268 | 23.00 | .7322 | 0.052157 | 440974090.03 |
| 105A704723 | Resistor | R31,R35,R47,R54-55,R72-74,R89,-R94,R96-97,R109-110,R114-115,R-201-205,R267-270 | Bellcore Issue 6 | Level I | | 0.002268 | 25.00 | .7959 | 0.056693 | 440974090.03 |
| 105A701533 | Resistor | R84-87,R296,R312 | Bellcore Issue 6 | Level I | | 0.002268 | 6.00 | .1910 | 0.013606 | 440974090.03 |
| 105A710003 | Resistor | R53,R117,R119-121,R137 | Bellcore Issue 6 | Level I | | 0.002268 | 6.00 | .1910 | 0.013606 | 440974090.03 |
| 105A708203 | Resistor | R61,R63,R65,R75-76 | Bellcore Issue 6 | Level I | | 0.002268 | 5.00 | .1592 | 0.011339 | 440974090.03 |
| 105A704733 | Resistor | R99,R101,R106-108,R118,R262,R-264 | Bellcore Issue 6 | Level I | | 0.002268 | 8.00 | .2547 | 0.018142 | 440974090.03 |
| 105A706823 | Resistor | R265 | Bellcore Issue 6 | Level I | | 0.002268 | 1.00 | .0318 | 0.002268 | 440974090.03 |
| 106B501030 | Resistor | RT1 | Bellcore Issue 6 | Level I | | 0.011379 | 1.00 | .1598 | 0.011379 | 87878027.07 |
| 1124410080 | Capacitor | C181,C188 | Bellcore Issue 6 | Level I | | 0.001060 | 2.00 | .0298 | 0.002120 | 943198589.05 |
| 1124420080 | Capacitor | C5-6 | Bellcore Issue 6 | Level I | | 0.001060 | 2.00 | .0298 | 0.002120 | 943198589.05 |
| 1124468080 | Capacitor | C8 | Bellcore Issue 6 | Level I | | 0.001060 | 1.00 | .0149 | 0.001060 | 943198589.05 |
| 1129701080 | Capacitor | C9-12,C21-24,C33,C60,C63,C69,C-72,C76-78,C85,C158 | Bellcore Issue 6 | Level I | | 0.005466 | 18.00 | 1.3812 | 0.098381 | 182961702.19 |
| 1124447080 | Capacitor | R34-37,R133-134,R136,R183,R186 | Bellcore Issue 6 | Level I | | 0.001060 | 9.00 | .1340 | 0.009542 | 943198589.05 |
| 1124527180 | Capacitor | C61-62,C138,C184,C187 | Bellcore Issue 6 | Level I | | 0.001060 | 5.00 | .0744 | 0.005301 | 943198589.05 |
| 1124415080 | Capacitor | C66,C166-167,C176-177 | Bellcore Issue 6 | Level I | | 0.001060 | 5.00 | .0744 | 0.005301 | 943198589.05 |
| 1124547180 | Capacitor | C70,C73,C75,C84,C86,C90 | Bellcore Issue 6 | Level I | | 0.001060 | 6.00 | .0893 | 0.006361 | 943198589.05 |
| 1121733780 | Capacitor | C82,C87,C122 | Bellcore Issue 6 | Level I | | 0.002539 | 3.00 | .1069 | 0.007617 | 393852661.82 |
| 1124422080 | Capacitor | C161-162,C171-172 | Bellcore Issue 6 | Level I | | 0.001060 | 4.00 | .0595 | 0.004241 | 943198589.05 |
| 1124515281 | Capacitor | C107,C109 | Bellcore Issue 6 | Level I | | 0.001060 | 2.00 | .0298 | 0.002120 | 943198589.05 |
| 1121722660 | Capacitor | C125 | Bellcore Issue 6 | Level I | | 0.002539 | 1.00 | .0356 | 0.002539 | 393852661.82 |
| 1124433080 | Capacitor | C92-94,C128 | Bellcore Issue 6 | Level I | | 0.001060 | 4.00 | .0595 | 0.004241 | 943198589.05 |

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Date 06. 11, 2002
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Temperature 25.00



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File Name Gene4312--20DC.RPJ
Time 3:36 PM
Failure Rate 7.123121
MTBF 140,388

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Failure Rate, Unit | Quantity | Failure Rate, % | Failure Rate | MTBF, Unit |
|-------------|--------------------|--|-------------------|---------|-----------|--------------------|----------|-----------------|--------------|--------------|
| 1124501780 | Capacitor | C159,CP1-4,CP7,CP9,CP13-19 | Bellcore Issue 6 | Level I | | 0.001060 | 14.00 | .2084 | 0.014843 | 943198589.05 |
| 1124510180 | Capacitor | C7,C13-20,C25-32,C89,C98-101,C-123 | Bellcore Issue 6 | Level I | | 0.001060 | 23.00 | .3423 | 0.024385 | 943198589.05 |
| 1124522180 | Capacitor | C38-41,C113-119,C124 | Bellcore Issue 6 | Level I | | 0.001060 | 12.00 | .1786 | 0.012723 | 943198589.05 |
| 1124518180 | Capacitor | C42-49,C51-59 | Bellcore Issue 6 | Level I | | 0.001060 | 17.00 | .2530 | 0.018024 | 943198589.05 |
| 1122747880 | Capacitor | C64 | Bellcore Issue 6 | Level I | | 0.001598 | 1.00 | .0224 | 0.001598 | 625953979.55 |
| 1124510280 | Capacitor | C71,C74,C79-81,C131-132 | Bellcore Issue 6 | Level I | | 0.001060 | 7.00 | .1042 | 0.007422 | 943198589.05 |
| 1124522280 | Capacitor | C83,C88 | Bellcore Issue 6 | Level I | | 0.001060 | 2.00 | .0298 | 0.002120 | 943198589.05 |
| 1124515180 | Capacitor | C108,C137,C182,C185 | Bellcore Issue 6 | Level I | | 0.001060 | 4.00 | .0595 | 0.004241 | 943198589.05 |
| 1121501680 | Capacitor | BC3-22,BC24-28,BC31-57,BC60-80-,BC87-89,BC92-122,BC124-145,C3-,C140,C152-153,C155-156,C163-1-65,C168-170,C173-175,C178-180 | Bellcore Issue 6 | Level I | | 0.002539 | 147.00 | 5.2398 | 0.373236 | 393852661.82 |
| 1139710060 | Capacitor | C154,CT2-3,CT5-7,CT9-12,CT15-1-6,CT23-24,CT29,CT31,CT34,CT40-,CT42,CT48,CT50 | Bellcore Issue 6 | Level I | | 0.005466 | 21.00 | 1.6113 | 0.114778 | 182961702.19 |
| 1111610100 | Capacitor | CT13-14,CT52 | Bellcore Issue 6 | Level I | | 0.027242 | 3.00 | 1.1473 | 0.081726 | 36707972.85 |
| 1189682080 | Capacitor | CT45,CT47 | Bellcore Issue 6 | Level I | | 0.004535 | 2.00 | .1273 | 0.009071 | 220487045.01 |
| 1231125050 | Miscellaneous | X2-3 | Bellcore Issue 6 | Level I | | 0.150000 | 2.00 | 4.2116 | 0.300000 | 6666666.67 |
| 1231232722 | Miscellaneous | X1 | Bellcore Issue 6 | Level I | | 0.150000 | 1.00 | 2.1058 | 0.150000 | 6666666.67 |
| 1231114350 | Miscellaneous | Y3 | Bellcore Issue 6 | Level I | | 0.150000 | 1.00 | 2.1058 | 0.150000 | 6666666.67 |
| 1211102762 | Inductor | L1 | Bellcore Issue 6 | Level I | 11.00 | 0.106084 | 1.00 | 1.4893 | 0.106084 | 9426502.32 |
| 1211101261 | Inductor | L2-7 | Bellcore Issue 6 | Level I | | 0.002268 | 6.00 | .1910 | 0.013606 | 440974090.03 |
| 1212306033 | Inductor | FB19-20,FB31-32,FB35,FB51-54,F-B57,FB61-64 | Bellcore Issue 6 | Level I | | 0.002268 | 14.00 | .4457 | 0.031748 | 440974090.03 |
| 1212306035 | Inductor | FB5-6,FB13,FB18,FB39-40 | Bellcore Issue 6 | Level I | | 0.002268 | 6.00 | .1910 | 0.013606 | 440974090.03 |
| 1212306030 | Inductor | FB1-4,FB21-30,FB33-34,FB36-38,-FB41-50,FB58-60,FB65-70 | Bellcore Issue 6 | Level I | | 0.002268 | 38.00 | 1.2098 | 0.086173 | 440974090.03 |
| 1212306031 | Inductor | FB7-12,FB14-17 | Bellcore Issue 6 | Level I | | 0.002268 | 10.00 | .3184 | 0.022677 | 440974090.03 |
| 1213106008 | Inductor | RP40-41,RP44,RP63(*4) | Bellcore Issue 6 | Level I | | 0.002268 | 16.00 | .5094 | 0.036283 | 440974090.03 |
| 1314838410 | Integrated Circuit | Q6 | Bellcore Issue 6 | Level I | 13.90 | 0.156847 | 1.00 | 2.2019 | 0.156847 | 6375650.01 |
| 1300414840 | Semiconductor | D2,D6 | Bellcore Issue 6 | Level I | | 0.023881 | 2.00 | .6705 | 0.047762 | 41874327.58 |
| 1302001242 | Semiconductor | D9 | Bellcore Issue 6 | Level I | | 0.027212 | 1.00 | .3820 | 0.027212 | 36747840.84 |
| 1300001240 | Semiconductor | D1 | Bellcore Issue 6 | Level I | | 0.023881 | 1.00 | .3353 | 0.023881 | 41874327.58 |

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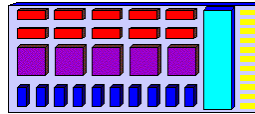


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|-------------|--------------------|---------------------------|-------------------|---------|-----------|--------------------|----------|-----------------|--------------|--------------|
| 1315993310 | Semiconductor | Q2 | Bellcore Issue 6 | Level I | | 0.159207 | 1.00 | 2.2351 | 0.159207 | 6281149.14 |
| 1305099140 | Semiconductor | D3-5 | Bellcore Issue 6 | Level I | | 0.079603 | 3.00 | 3.3526 | 0.238810 | 12562298.27 |
| 1315160310 | Semiconductor | Q5,Q7 | Bellcore Issue 6 | Level I | | 0.079603 | 2.00 | 2.2351 | 0.159207 | 12562298.27 |
| 1310222210 | Semiconductor | Q1,Q3-4,Q8 | Bellcore Issue 6 | Level I | | 0.023881 | 4.00 | 1.3410 | 0.095524 | 41874327.58 |
| 14S5512500 | Integrated Circuit | U14 | Bellcore Issue 6 | Level I | | 0.064937 | 1.00 | .9116 | 0.064937 | 15399556.24 |
| 14S5801400 | Integrated Circuit | U6 | Bellcore Issue 6 | Level I | 9.00 | 0.063321 | 1.00 | .8890 | 0.063321 | 15792443.88 |
| 14S5837301 | Integrated Circuit | U19-20 | Bellcore Issue 6 | Level I | | 0.039070 | 2.00 | 1.0970 | 0.078141 | 25594900.53 |
| 14S3149100 | Integrated Circuit | U25 | Bellcore Issue 6 | Level I | 12.40 | 0.079118 | 1.00 | 1.1107 | 0.079118 | 12639337.65 |
| 14S5803200 | Integrated Circuit | U12 | Bellcore Issue 6 | Level I | | 0.037813 | 1.00 | .5309 | 0.037813 | 26445709.42 |
| 14S3700301 | Integrated Circuit | U27 | Bellcore Issue 6 | Level I | 15.40 | 0.175331 | 1.00 | 2.4614 | 0.175331 | 5703506.49 |
| 14S4048500 | Integrated Circuit | U7--8 | Bellcore Issue 6 | Level I | | 0.059366 | 2.00 | 1.6669 | 0.118732 | 16844654.92 |
| 14S4021300 | Integrated Circuit | U4-5 | Bellcore Issue 6 | Level I | | 0.059366 | 2.00 | 1.6669 | 0.118732 | 16844654.92 |
| 14S1488000 | Integrated Circuit | U11 | Bellcore Issue 6 | Level I | | 0.059366 | 1.00 | .8334 | 0.059366 | 16844654.92 |
| 14S4070600 | Integrated Circuit | U15 | Bellcore Issue 6 | Level I | | 0.059366 | 1.00 | .8334 | 0.059366 | 16844654.92 |
| 14S4636300 | Integrated Circuit | U18 | Bellcore Issue 6 | Level I | 7.70 | 0.102805 | 1.00 | 1.4433 | 0.102805 | 9727167.98 |
| 14S1307800 | Integrated Circuit | U26 | Bellcore Issue 6 | Level I | | 0.059366 | 1.00 | .8334 | 0.059366 | 16844654.92 |
| 14S3181900 | Integrated Circuit | U10 | Bellcore Issue 6 | Level I | 18.70 | 0.215069 | 1.00 | 3.0193 | 0.215069 | 4649676.96 |
| 14S2143000 | Integrated Circuit | U24 | Bellcore Issue 6 | Level I | | 0.059366 | 1.00 | .8334 | 0.059366 | 16844654.92 |
| 14S2252600 | Integrated Circuit | U9 | Bellcore Issue 6 | Level I | | 0.059366 | 1.00 | .8334 | 0.059366 | 16844654.92 |
| 14S4378100 | Integrated Circuit | U13 | Bellcore Issue 6 | Level I | 2.40 | 0.045199 | 1.00 | .6345 | 0.045199 | 22124364.40 |
| 14S4813904 | Integrated Circuit | U28 | Bellcore Issue 6 | Level I | 9.90 | 0.069019 | 1.00 | .9689 | 0.069019 | 14488727.73 |
| 14S4813904 | Integrated Circuit | U30 | Bellcore Issue 6 | Level I | 8.80 | 0.064948 | 1.00 | .9118 | 0.064948 | 15396822.86 |
| 14S4553011 | Integrated Circuit | U2 | Bellcore Issue 6 | Level I | 15.40 | 0.092938 | 1.00 | 1.3047 | 0.092938 | 10759848.03 |
| 14S4397701 | Integrated Circuit | U3 | Bellcore Issue 6 | Level I | 9.30 | 0.066772 | 1.00 | .9374 | 0.066772 | 14976396.03 |
| 14S4030000 | Integrated Circuit | U1 | Bellcore Issue 6 | Level I | | 0.039296 | 1.00 | .5517 | 0.039296 | 25448028.36 |
| 14S6202003 | Integrated Circuit | U21 | Bellcore Issue 6 | Level I | | 0.136173 | 1.00 | 1.9117 | 0.136173 | 7343591.05 |
| 14S6334610 | Integrated Circuit | U29,U31 | Bellcore Issue 6 | Level I | | 0.030598 | 2.00 | .8591 | 0.061196 | 32681842.61 |
| 1540733180 | Resistor | RP51 | Bellcore Issue 6 | Level I | | 0.006246 | 1.00 | .0877 | 0.006246 | 160102772.00 |
| 1540710380 | Resistor | RP50,RP53-59 | Bellcore Issue 6 | Level I | | 0.006246 | 8.00 | .7015 | 0.049968 | 160102772.00 |
| 1540701380 | Resistor | RP15 | Bellcore Issue 6 | Level I | | 0.006246 | 1.00 | .0877 | 0.006246 | 160102772.00 |
| 1540747282 | Resistor | RP35,RP37-39,RP42-43,RP52 | Bellcore Issue 6 | Level I | | 0.006246 | 7.00 | .6138 | 0.043722 | 160102772.00 |

AAEON Reliability Prediction Report

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Environment GF, GU - Ground Fixed, Uncontrolled
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| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Failure Rate, Unit | Quantity | Failure Rate, % | Failure Rate | MTBF, Unit |
|-------------|---------------|----------------------------|-------------------|---------|-----------|--------------------|----------|-----------------|--------------|--------------|
| 1540710080 | Resistor | RP7-9,RP10-14,RP16-28 | Bellcore Issue 6 | Level I | | 0.006246 | 21.00 | 1.8414 | 0.131166 | 160102772.00 |
| 1540727280 | Resistor | RP64-66 | Bellcore Issue 6 | Level I | | 0.004684 | 3.00 | .1973 | 0.014053 | 213470362.66 |
| 1540733082 | Resistor | RP1-6,RP29-34,RP36,RP45-49 | Bellcore Issue 6 | Level I | | 0.006246 | 18.00 | 1.5783 | 0.112428 | 160102772.00 |
| 1653132220 | Connection | CN1 | Bellcore Issue 6 | Level I | | 0.036414 | 1.00 | .5112 | 0.036414 | 27461883.46 |
| 1653007101 | Connection | JP2 | Bellcore Issue 6 | Level I | | 0.003983 | 1.00 | .0559 | 0.003983 | 251080077.35 |
| 1653003201 | Connection | JP4,JP8,JP12*2 | Bellcore Issue 6 | Level I | | 0.003414 | 4.00 | .1917 | 0.013655 | 292926756.90 |
| 1653002101 | Connection | JP13 | Bellcore Issue 6 | Level I | | 0.001138 | 1.00 | .0160 | 0.001138 | 878780270.71 |
| 1653003100 | Connection | J17-18 | Bellcore Issue 6 | Level I | | 0.001707 | 2.00 | .0479 | 0.003414 | 585853513.81 |
| 1653003101 | Connection | JP11 | Bellcore Issue 6 | Level I | | 0.001707 | 1.00 | .0240 | 0.001707 | 585853513.81 |
| 1653006101 | Connection | JP3 | Bellcore Issue 6 | Level I | | 0.003414 | 1.00 | .0479 | 0.003414 | 292926756.90 |
| 1653005202 | Connection | J5,J7 | Bellcore Issue 6 | Level I | | 0.005690 | 2.00 | .1598 | 0.011379 | 175756054.14 |
| 1653013202 | Connection | J10 | Bellcore Issue 6 | Level I | | 0.014793 | 1.00 | .2077 | 0.014793 | 67598482.36 |
| 1653925212 | Connection | J3 | Bellcore Issue 6 | Level I | | 0.028449 | 1.00 | .3994 | 0.028449 | 35151210.83 |
| 1651203291 | Connection | U21 | Bellcore Issue 6 | Level I | | 0.018207 | 1.00 | .2556 | 0.018207 | 54923766.92 |
| 1651572990 | Connection | J1 | Bellcore Issue 6 | Level I | 9.30 | 0.131255 | 1.00 | 1.8427 | 0.131255 | 7618754.12 |
| 1652510200 | Connection | LAN1-2 | Bellcore Issue 6 | Level I | | 0.006828 | 2.00 | .1917 | 0.013655 | 146463378.45 |
| 1653002101 | Connection | J13,JP10 | Bellcore Issue 6 | Level I | | 0.001138 | 2.00 | .0320 | 0.002276 | 878780270.71 |
| 1654606301 | Connection | J8 | Bellcore Issue 6 | Level I | | 0.005121 | 1.00 | .0719 | 0.005121 | 195284504.60 |
| 1656304020 | Connection | P1 | Bellcore Issue 6 | Level I | | 0.002276 | 1.00 | .0320 | 0.002276 | 439390135.35 |
| 1653002200 | Connection | J19 | Bellcore Issue 6 | Level I | | 0.002276 | 1.00 | .0320 | 0.002276 | 439390135.35 |
| 1653120225 | Connection | CN1 | Bellcore Issue 6 | Level I | | 0.022759 | 1.00 | .3195 | 0.022759 | 43939013.54 |
| 1653004201 | Connection | JP1 | Bellcore Issue 6 | Level I | | 0.004552 | 1.00 | .0639 | 0.004552 | 219695067.68 |
| 1654409103 | Connection | J4 | Bellcore Issue 6 | Level I | | 0.006259 | 1.00 | .0879 | 0.006259 | 159778231.04 |
| 1654515302 | Connection | J16 | Bellcore Issue 6 | Level I | | 0.009672 | 1.00 | .1358 | 0.009672 | 103385914.20 |
| 1653017201 | Connection | J9 | Bellcore Issue 6 | Level I | | 0.019345 | 1.00 | .2716 | 0.019345 | 51692957.10 |
| 1653010203 | Connection | J15 | Bellcore Issue 6 | Level I | | 0.011379 | 1.00 | .1598 | 0.011379 | 87878027.07 |
| 1653007204 | Connection | JP5 | Bellcore Issue 6 | Level I | | 0.007966 | 1.00 | .1118 | 0.007966 | 125540038.67 |
| 1653022202 | Connection | J2,J14 | Bellcore Issue 6 | Level I | | 0.025035 | 2.00 | .7029 | 0.050069 | 39944557.76 |
| 1752311000 | Miscellaneous | F1-5 | Bellcore Issue 6 | Level I | | 0.030000 | 5.00 | 2.1058 | 0.150000 | 33333333.33 |
| 1759100002 | Miscellaneous | SP1 | Bellcore Issue 6 | Level I | | 0.150000 | 1.00 | 2.1058 | 0.150000 | 6666666.67 |
| 1750119013 | Miscellaneous | BT1 | Bellcore Issue 6 | Level I | | 0.900000 | 1.00 | 12.6349 | 0.900000 | 1111111.11 |