

EMB-QM67

Reliability Prediction Report (MTBF)

| | |
|---------|---|
| Summary | Failure Rate: 19.162246 ppm MTBF: 52,186 Hours |
|---------|---|

| | | |
|------------|------------|---------------|
| Issue date | Approval | Test Engineer |
| 2011/10/28 | Jansin Lee | Jessica Chou |

Reliability Prediction (MTBF)

I . Model Name: EMB-QM67 (9697QM6714-D)

II . Prediction Date: Oct. 28, 2011

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: 26 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:

EMB-QM67 (9697QM6714-D):

- Failure Rate: 19.162246ppm
- MTBF: 52,186 Hours

AAEON Reliability Prediction Report

Part Number 9697QM6714-D
Reference Des
Date 10. 28, 2011
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 26.00



Description Top-level assembly
File Name EMB-QM67.RPJ
Time 11:52
Failure Rate 19.162246
MTBF 52,186

| Assembly Name | Part Number | Model | Method | Environment | Duty Cycle | Qty | Failure Rate | MTBF |
|---------------|--------------|-------------------|-----------------|-------------------------------------|------------|------|--------------|----------|
| EMB-QM67 | 9697QM6714-D | Telcordia Issue 1 | Method I Case 3 | GF, GU - Ground Fixed, Uncontrolled | 100.00 | 1.00 | 19.16 | 52185.95 |

AAEON Reliability Prediction Report

Part Number 9697QM6714-D
Reference Des
Date 10. 28, 2011
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 26.00

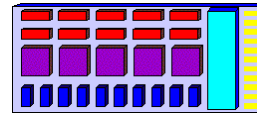


Description Top-level assembly
File Name EMB-QM67.RPJ
Time 11:52
Failure Rate 19.162246
MTBF 52,186

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Quantity | Failure Rate, Unit | Failure Rate, % | MTBF, Unit |
|-------------|-----------|---|-------------------|---------|-----------|----------|--------------------|-----------------|--------------|
| 1129710090 | Capacitor | C205,C206,C481, C482,C483,C484, C485,C487,C488, C489 | Telcordia Issue 1 | Level I | | 10.00 | 0.004625 | .2414 | 216222765.25 |
| 1124418090 | Capacitor | C121,C123,C142, C143 | Telcordia Issue 1 | Level I | | 4.00 | 0.004625 | .0965 | 216222765.25 |
| 1129722091 | Capacitor | C476 | Telcordia Issue 1 | Level I | | 1.00 | 0.004625 | .0241 | 216222765.25 |
| 1124427090 | Capacitor | C186,C189,C198, C203 | Telcordia Issue 1 | Level I | | 4.00 | 0.004625 | .0965 | 216222765.25 |
| 1124433090 | Capacitor | C190,C193,C477, C478 | Telcordia Issue 1 | Level I | | 4.00 | 0.004625 | .0965 | 216222765.25 |
| 1129747090 | Capacitor | C131,C185 | Telcordia Issue 1 | Level I | | 2.00 | 0.004625 | .0483 | 216222765.25 |
| 1121610180 | Capacitor | C221,C490,C491, C492,C493,C494 | Telcordia Issue 1 | Level I | | 6.00 | 0.004625 | .1448 | 216222765.25 |
| 1124418190 | Capacitor | C10,C11,C12,C13, C14,C15,C16,C17, C18,C19,C20,C21, C22,C225,C226,C227, C228,C229,C23,C230, C231,C24,C241,C242, C243,C244,C25,C258, C259,C26,C260,C261, C27,C28,C29,C30, C31,C32,C33,C34, C35,C36,C475,C5,C6, C7,C8,C9 | Telcordia Issue 1 | Level I | | 48.00 | 0.004625 | 1.1585 | 216222765.25 |
| 1124522190 | Capacitor | C224,C232,C233, C234 | Telcordia Issue 1 | Level I | | 4.00 | 0.004625 | .0965 | 216222765.25 |
| 1124433190 | Capacitor | C1,C128 | Telcordia Issue 1 | Level I | | 2.00 | 0.004625 | .0483 | 216222765.25 |
| 11C4568190 | Capacitor | C130,C175 | Telcordia Issue 1 | Level I | | 2.00 | 0.004625 | .0483 | 216222765.25 |
| 1129710390 | Capacitor | C141,C149,C325, C341,C344,C379,C4, C43,C444,C460,C468, C469,C472,C53 | Telcordia Issue 1 | Level I | | 14.00 | 0.004625 | .3379 | 216222765.25 |
| 1124518280 | Capacitor | C316,C38 | Telcordia Issue 1 | Level I | | 2.00 | 0.004625 | .0483 | 216222765.25 |
| 1129701790 | Capacitor | C148,C2,C207,C208, C280,C283,C289, C290,C318,C319, C320,C321,C329, C340,C421,C425, C445,C45,C450,C48, C51,C52,C56,C57, C58,C59,C73,C77, C79,C83 | Telcordia Issue 1 | Level I | | 30.00 | 0.004625 | .7241 | 216222765.25 |
| 11C4515380 | Inductor | C39 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 11C1533890 | Capacitor | C330,C70 | Telcordia Issue 1 | Level I | | 2.00 | 0.004625 | .0483 | 216222765.25 |
| 11C1547890 | Capacitor | C61 | Telcordia Issue 1 | Level I | | 1.00 | 0.004625 | .0241 | 216222765.25 |

AAEON Reliability Prediction Report

Part Number 9697QM6714-D
Reference Des
Date 10. 28, 2011
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 26.00



Description Top-level assembly
File Name EMB-QM67.RPJ
Time 11:52
Failure Rate 19.162246
MTBF 52,186

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Quantity | Failure Rate, Unit | Failure Rate, % | MTBF, Unit |
|-------------|-----------|--|-------------------|---------|-----------|----------|--------------------|-----------------|--------------|
| 1121501691 | Capacitor | BC1,BC10,BC100, BC102,BC105,BC106, BC107,BC108,BC109, BC11,BC111,BC112, BC113,BC114,BC115, BC116,BC118,BC119, BC12,BC120,BC123, BC125,BC126,BC127, BC128,BC129,BC13, BC131,BC132,BC133, BC134,BC135,BC138, BC139,BC14,BC140, BC141,BC142,BC1 | Telcordia Issue 1 | Level I | | 220.00 | 0.004625 | 5.3098 | 216222765.25 |
| 11C2510480 | Capacitor | BC103,BC104,BC110, BC122,BC124,BC136, BC137,BC143,BC173, BC174,BC42,BC45, BC51,BC52 | Telcordia Issue 1 | Level I | | 14.00 | 0.004625 | .3379 | 216222765.25 |
| 1129522790 | Capacitor | C127,C139,C144, C168,C169,C170, C172,C448,C473 | Telcordia Issue 1 | Level I | | 9.00 | 0.004625 | .2172 | 216222765.25 |
| 11E9501091 | Capacitor | C111,C112,C116, C133,C137,C140, C146,C165,C167, C173,C199,C204, C247,C248,C281, C282,C285,C286, C298,C299,C300, C309,C312,C331, C332,C333,C339, C343,C349,C350, C351,C352,C353, C354,C355,C362, C363,C364,C365, | Telcordia Issue 1 | Level I | | 87.00 | 0.004625 | 2.0998 | 216222765.25 |
| 11C1501080 | Capacitor | BC130,BC67,C171, C200,C211,C220, C263,C81 | Telcordia Issue 1 | Level I | | 8.00 | 0.004625 | .1931 | 216222765.25 |
| 11C2501050 | Capacitor | C287,C497,C498, C499 | Telcordia Issue 1 | Level I | | 4.00 | 0.004625 | .0965 | 216222765.25 |
| 11E9522680 | Capacitor | C245,C246,C262, C264,C277,C297, C307,C502,C503, C504,C505,C506, C507,C508,C509, C510,C511,C512, C513 | Telcordia Issue 1 | Level I | | 19.00 | 0.004625 | .4586 | 216222765.25 |

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Date 10. 28, 2011
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Description Top-level assembly
File Name EMB-QM67.RPJ
Time 11:52
Failure Rate 19.162246
MTBF 52,186

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Quantity | Failure Rate, Unit | Failure Rate, % | MTBF, Unit |
|-------------|------------|---|-------------------|---------|-----------|----------|--------------------|-----------------|--------------|
| 11C2522650 | Capacitor | TC30,TC56 | Telcordia Issue 1 | Level I | | 2.00 | 0.004625 | .0483 | 216222765.25 |
| 11E9610080 | Capacitor | C150,C178,C179, C209,C210,C249, C250,C251,C252, C253,C254,C276, C284,C288,C292, C293,C294,C295, C296,C301,C302, C386,C464,C474, TC23,TC26,TC29, TC31,TC36,TC37, TC38,TC41,TC48, TC49,TC52,TC54, TC55,TC57,TC58, | Telcordia Issue 1 | Level I | | 46.00 | 0.004625 | 1.1102 | 216222765.25 |
| 11E9510050 | Capacitor | TC1,TC121,TC122, TC123,TC13,TC14, TC15,TC16,TC17, TC18,TC32,TC33, TC35,TC44,TC45, TC46,TC47,TC5,TC51, TC53,TC62,TC63, TC64 | Telcordia Issue 1 | Level I | | 23.00 | 0.004625 | .5551 | 216222765.25 |
| 11E9622050 | Capacitor | C100,C101,C102, C103,C104,C105, C106,C107,C114, C115,C118,C119, C120,C147,C151, C152,C153,C154, C155,C156,C157, C158,C159,C160, C161,C166,C308, C313,C317,C366, C367,C371,C372, C373,C374,C375, C376,C377,C392, | Telcordia Issue 1 | Level I | | 57.00 | 0.004625 | 1.3757 | 216222765.25 |
| 1189610151 | Capacitor | C122,C256,C257, EC11 | Telcordia Issue 1 | Level I | | 4.00 | 0.004625 | .0965 | 216222765.25 |
| 1214309008 | Inductor | CM1,CM2,CM3,CM4, L19,L20,L21,L22 | Telcordia Issue 1 | Level I | | 8.00 | 0.002312 | .0965 | 432445530.49 |
| 165300420L | Connection | CN5 | Telcordia Issue 1 | Level I | | 1.00 | 0.004795 | .0250 | 208546327.90 |
| 1653005209 | Connection | CN4 | Telcordia Issue 1 | Level I | | 1.00 | 0.005994 | .0313 | 166837062.32 |
| 1653212100 | Connection | CN11 | Telcordia Issue 1 | Level I | | 1.00 | 0.007193 | .0375 | 139030885.26 |
| 1654030003 | Connection | CN10 | Telcordia Issue 1 | Level I | | 1.00 | 0.017982 | .0938 | 55612354.11 |
| 1654226303 | Connection | CN15 | Telcordia Issue 1 | Level I | | 1.00 | 0.001199 | .0063 | 834185311.58 |

AAEON Reliability Prediction Report

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Reference Des
Date 10. 28, 2011
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 26.00

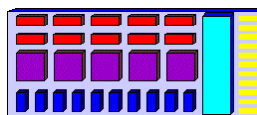


Description Top-level assembly
File Name EMB-QM67.RPJ
Time 11:52
Failure Rate 19.162246
MTBF 52,186

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Quantity | Failure Rate, Unit | Failure Rate, % | MTBF, Unit |
|-------------|--------------------|--|-------------------|---------|-----------|----------|--------------------|-----------------|--------------|
| 1654926900 | Connection | CN15_1 | Telcordia Issue 1 | Level I | | 1.00 | 0.031168 | .1627 | 32084050.45 |
| 1653924110 | Connection | CN14 | Telcordia Issue 1 | Level I | | 1.00 | 0.001199 | .0063 | 834185311.58 |
| 16515A099X | Connection | DIMM1 | Telcordia Issue 1 | Level I | | 1.00 | 0.001199 | .0063 | 834185311.58 |
| 16515A099Z | Connection | DIMM2 | Telcordia Issue 1 | Level I | | 1.00 | 0.001199 | .0063 | 834185311.58 |
| 1305100541 | Semiconductor | D13,D14,D15,D16, D17,D18,D19,D20, D41,D42,D43,D44, D45,D46,D47,D48, D53,D54,D55,D56,D7_ D8 | Telcordia Issue 1 | Level I | | 22.00 | 0.024575 | 2.8214 | 40691910.29 |
| 1301005442 | Semiconductor | D1,D21,D6 | Telcordia Issue 1 | Level I | | 3.00 | 0.024575 | .3847 | 40691910.29 |
| 1301005440 | Semiconductor | D10,D11,D12,D28,D5 | Telcordia Issue 1 | Level I | | 5.00 | 0.024575 | .6412 | 40691910.29 |
| 1301005450 | Semiconductor | D24,D25 | Telcordia Issue 1 | Level I | | 2.00 | 0.024575 | .2565 | 40691910.29 |
| 1301053040 | Semiconductor | D2,D3,D4 | Telcordia Issue 1 | Level I | | 3.00 | 0.024575 | .3847 | 40691910.29 |
| 1304001340 | Semiconductor | D9,LED1,LED2 | Telcordia Issue 1 | Level I | | 3.00 | 0.005342 | .0836 | 187200330.10 |
| 1752001601 | Miscellaneous | FS1,FS4,FS5,FS6 | Telcordia Issue 1 | Level I | | 4.00 | 0.003000 | .0626 | 333333333.33 |
| 1211100160 | Inductor | L24 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 1211103671 | Inductor | L15 | Telcordia Issue 1 | Level I | 44.90 | 1.00 | 0.187867 | .9804 | 5322918.62 |
| 1211103671 | Inductor | L12,L16,L7 | Telcordia Issue 1 | Level I | | 3.00 | 0.087872 | 1.3757 | 11380145.54 |
| 121110100F | Inductor | L10,L23 | Telcordia Issue 1 | Level I | | 2.00 | 0.087872 | .9171 | 11380145.54 |
| 1315700216 | Semiconductor | Q10,Q11,Q20,Q26, Q27,Q4,Q40,Q41,Q42, Q44,Q45,Q46,Q47, Q48,Q5,Q51,Q52,Q53, Q55,Q56,Q57,Q58, Q59,Q65,Q70,Q72, Q74,Q78,Q84,Q85, Q86 | Telcordia Issue 1 | Level I | | 31.00 | 0.081916 | 13.2521 | 12207573.09 |
| 14S3524700 | Integrated Circuit | Q82 | Telcordia Issue 1 | Level I | | 1.00 | 0.063856 | .3332 | 15660198.22 |
| 1315050311 | Integrated Circuit | Q16,Q18,Q22,Q24,Q3, Q34,Q35,Q37,Q38,Q6 | Telcordia Issue 1 | Level I | | 10.00 | 0.063856 | 3.3324 | 15660198.22 |
| 1315230511 | Semiconductor | Q79 | Telcordia Issue 1 | Level I | | 1.00 | 0.081916 | .4275 | 12207573.09 |
| 1315R30310 | Integrated Circuit | Q32 | Telcordia Issue 1 | Level I | 43.80 | 1.00 | 1.025343 | 5.3509 | 975283.14 |
| 1315R30310 | Integrated Circuit | Q17,Q19,Q2,Q23,Q25, Q31,Q33,Q36, Q49,Q73,Q76,Q77,Q8, Q80,Q87,Q88 | Telcordia Issue 1 | Level I | | 16.00 | 0.063856 | 5.3318 | 15660198.22 |
| 1310390410 | Semiconductor | Q21,Q39,Q43,Q81 | Telcordia Issue 1 | Level I | | 4.00 | 0.024575 | .5130 | 40691910.29 |
| 1540733082 | Resistor | RP5 | Telcordia Issue 1 | Level I | | 1.00 | 0.006537 | .0341 | 152970720.28 |
| 1540710280 | Resistor | RP1,RP3,RP4 | Telcordia Issue 1 | Level I | | 3.00 | 0.006537 | .1023 | 152970720.28 |
| 1540722280 | Resistor | RP2 | Telcordia Issue 1 | Level I | | 1.00 | 0.006537 | .0341 | 152970720.28 |

AAEON Reliability Prediction Report

Part Number 9697QM6714-D
Reference Des
Date 10. 28, 2011
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 26.00



Description Top-level assembly
File Name EMB-QM67.RPJ
Time 11:52
Failure Rate 19.162246
MTBF 52,186

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Quantity | Failure Rate, Unit | Failure Rate, % | MTBF, Unit |
|-------------|----------|---|-------------------|---------|-----------|----------|--------------------|-----------------|--------------|
| 106B701031 | Resistor | RT1,RT2,RT3,RT4 | Telcordia Issue 1 | Level I | | 4.00 | 0.011988 | .2502 | 83418531.16 |
| 106B747030 | Resistor | RT5,RT6 | Telcordia Issue 1 | Level I | | 2.00 | 0.011988 | .1251 | 83418531.16 |
| 105A700009 | Resistor | R101,R117,R12,R125, R13,R133,R157,R161, R164,R165,R166, R169,R184,R186, R207,R208,R214, R216,R218,R227, R229,R24,R245,R249, R251,R257,R259,R26, R264,R267,R269, R271,R272,R273, R274,R282,R284, R296,R298,R305, R310,R315,R317, | Telcordia Issue 1 | Level I | | 144.00 | 0.002312 | 1.7377 | 432445530.49 |
| 105A700003 | Resistor | R105,R182,R183, R323,R334,R391, R392,R393,R396, R397,R398,R45,R450, R476,R49,R587,R588, R596,R626,R654, R665,R708,R770, R841,R886,R888, R931 | Telcordia Issue 1 | Level I | | 27.00 | 0.002312 | .3258 | 432445530.49 |
| 1059700001 | Resistor | L25,L26,L27,L28, R179,R321,R322, R345,R561,R599,R68, R853 | Telcordia Issue 1 | Level I | | 12.00 | 0.002312 | .1448 | 432445530.49 |
| 105A700109 | Resistor | R311 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 1059702261 | Resistor | R717,R852,R874, R878 | Telcordia Issue 1 | Level I | | 4.00 | 0.002312 | .0483 | 432445530.49 |
| 105A701009 | Resistor | R116,R250,R254, R268,R291,R292, R406,R730,R744, R792,R832,R857, R872,R873 | Telcordia Issue 1 | Level I | | 14.00 | 0.002312 | .1689 | 432445530.49 |
| 105A701003 | Resistor | R23,R30 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 1050502204 | Resistor | R459,R460,R465, R466,R467,R468 | Telcordia Issue 1 | Level I | | 6.00 | 0.002312 | .0724 | 432445530.49 |
| 105A522663 | Resistor | R213 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 1050524904 | Resistor | R189,R198 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 105A503309 | Resistor | R153,R225,R275, R278,R289,R687, R749,R753,R795 | Telcordia Issue 1 | Level I | | 9.00 | 0.002312 | .1086 | 432445530.49 |
| 1050704304 | Resistor | R777,R787 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |

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Date 10. 28, 2011
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 26.00



Description Top-level assembly
File Name EMB-QM67.RPJ
Time 11:52
Failure Rate 19.162246
MTBF 52,186

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Quantity | Failure Rate, Unit | Failure Rate, % | MTBF, Unit |
|-------------|----------|--|-------------------|---------|-----------|----------|--------------------|-----------------|--------------|
| 105A549969 | Resistor | R177 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 105A505109 | Resistor | R771,R775,R780, R781,R782 | Telcordia Issue 1 | Level I | | 5.00 | 0.002312 | .0603 | 432445530.49 |
| 1050505604 | Resistor | R304,R789 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 105A507509 | Resistor | R309,R793,R904, R907,R908 | Telcordia Issue 1 | Level I | | 5.00 | 0.002312 | .0603 | 432445530.49 |
| 105A507503 | Resistor | R479,R913,R914, R915, R916, R917 | Telcordia Issue 1 | Level I | | 6.00 | 0.002312 | .0724 | 432445530.49 |
| 105A590963 | Resistor | R294 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 105A510009 | Resistor | R100,R203,R266, R279,R5,R507 | Telcordia Issue 1 | Level I | | 6.00 | 0.002312 | .0724 | 432445530.49 |
| 105A513009 | Resistor | R314,R774,R93 | Telcordia Issue 1 | Level I | | 3.00 | 0.002312 | .0362 | 432445530.49 |
| 105A515009 | Resistor | R285,R286,R287, R469,R470,R471 | Telcordia Issue 1 | Level I | | 6.00 | 0.002312 | .0724 | 432445530.49 |
| 1050520004 | Resistor | R576,R661,R92 | Telcordia Issue 1 | Level I | | 3.00 | 0.002312 | .0362 | 432445530.49 |
| 105A733009 | Resistor | R147 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 105A733003 | Resistor | R4,R6,R923,R927 | Telcordia Issue 1 | Level I | | 4.00 | 0.002312 | .0483 | 432445530.49 |
| 105A539003 | Resistor | R149,R901 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 1050549904 | Resistor | R320 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 105A575009 | Resistor | R143,R167 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 105A500139 | Resistor | R104,R110,R118, R142,R158,R170, R171,R173,R197, R205,R223,R261,R32, R341,R35,R369,R39, R40,R44,R481,R518, R519,R533,R536,R54, R56,R608,R629,R64, R65,R675,R693,R74, R772,R808,R81,R83, R84,R859,R910,R99 | Telcordia Issue 1 | Level I | | 41.00 | 0.002312 | .4948 | 432445530.49 |
| 105A500133 | Resistor | R112,R589,R623, R713,R921 | Telcordia Issue 1 | Level I | | 5.00 | 0.002312 | .0603 | 432445530.49 |
| 105A501529 | Resistor | R230 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |

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Date 10. 28, 2011
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 26.00



Description Top-level assembly
File Name EMB-QM67.RPJ
Time 11:52
Failure Rate 19.162246
MTBF 52,186

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Quantity | Failure Rate, Unit | Failure Rate,% | MTBF, Unit |
|-------------|--------------------|---|-------------------|---------|-----------|----------|--------------------|----------------|--------------|
| 105A501039 | Resistor | R102,R114,R144, R145,R146,R148, R154,R160,R163, R172,R178,R181, R185,R190,R221, R226,R233,R241, R246,R260,R281,R29, R293,R297,R303, R307,R313,R324, R326,R336,R338, R357,R363,R373, R445,R446,R453, R477,R512,R513, | Telcordia Issue 1 | Level I | | 96.00 | 0.002312 | 1.1585 | 432445530.49 |
| 105A501033 | Resistor | R17,R187,R38,R480, R486,R493,R494, R577,R635,R636,R69, R70,R86,R87,R88, R89,R932,R933 | Telcordia Issue 1 | Level I | | 18.00 | 0.002312 | .2172 | 432445530.49 |
| 105A501139 | Resistor | R150,R364,R801 | Telcordia Issue 1 | Level I | | 3.00 | 0.002312 | .0362 | 432445530.49 |
| 105A501539 | Resistor | R212,R306,R529, R652,R758,R98 | Telcordia Issue 1 | Level I | | 6.00 | 0.002312 | .0724 | 432445530.49 |
| 105A518223 | Resistor | R582 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 105A502033 | Resistor | R244,R482,R930 | Telcordia Issue 1 | Level I | | 3.00 | 0.002312 | .0362 | 432445530.49 |
| 1050502234 | Resistor | R128,R136 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 105A502233 | Resistor | R462,R463 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 105A503033 | Resistor | R640 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 1050504734 | Resistor | R155,R690 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 1050510034 | Resistor | R103,R107,R108, R109,R113,R119, R124,R18,R219,R220, R232,R248,R375,R52, R53,R57,R61,R613, R637,R644,R658, R666,R738,R824, R825,R828 | Telcordia Issue 1 | Level I | | 26.00 | 0.002312 | .3138 | 432445530.49 |
| 1050533034 | Resistor | R196,R736 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 105A547033 | Resistor | R515 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 105A701053 | Resistor | R202,R283 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 105A701069 | Resistor | R210 | Telcordia Issue 1 | Level I | | 1.00 | 0.013875 | .0724 | 72074255.08 |
| 14S5A00401 | Integrated Circuit | U52 | Telcordia Issue 1 | Level I | | 1.00 | 0.027762 | .1449 | 36019927.89 |
| 14S5A00702 | Integrated Circuit | U19,U56,U66 | Telcordia Issue 1 | Level I | | 3.00 | 0.063856 | .9997 | 15660198.22 |
| 14S5A00821 | Integrated Circuit | U21,U24,U30,U40 | Telcordia Issue 1 | Level I | | 4.00 | 0.027762 | .5795 | 36019927.89 |

AAEON Reliability Prediction Report

Part Number 9697QM6714-D
Reference Des
Date 10. 28, 2011
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 26.00



Description Top-level assembly
File Name EMB-QM67.RPJ
Time 11:52
Failure Rate 19.162246
MTBF 52,186

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Quantity | Failure Rate, Unit | Failure Rate, % | MTBF, Unit |
|-------------|--------------------|---------------------------------|-------------------|---------|-----------|----------|--------------------|-----------------|--------------|
| 14S5912300 | Integrated Circuit | U55 | Telcordia Issue 1 | Level I | | 1.00 | 0.027762 | .1449 | 36019927.89 |
| 14S5A12509 | Integrated Circuit | U74 | Telcordia Issue 1 | Level I | | 1.00 | 0.063856 | .3332 | 15660198.22 |
| 14S5A12506 | Integrated Circuit | U73 | Telcordia Issue 1 | Level I | | 1.00 | 0.027762 | .1449 | 36019927.89 |
| 14S4048502 | Integrated Circuit | U45,U72 | Telcordia Issue 1 | Level I | | 2.00 | 0.063856 | .6665 | 15660198.22 |
| 14S3089200 | Integrated Circuit | U51 | Telcordia Issue 1 | Level I | | 1.00 | 0.027762 | .1449 | 36019927.89 |
| 14S6334607 | Integrated Circuit | U67 | Telcordia Issue 1 | Level I | | 1.00 | 0.024678 | .1288 | 40521517.74 |
| 14S2200900 | Integrated Circuit | U41 | Telcordia Issue 1 | Level I | | 1.00 | 0.063856 | .3332 | 15660198.22 |
| 14S4QM6700 | Integrated Circuit | U27 | Telcordia Issue 1 | Level I | 18.20 | 1.00 | 0.075600 | .3945 | 13227427.32 |
| 14S4121601 | Integrated Circuit | U10 | Telcordia Issue 1 | Level I | | 1.00 | 0.027762 | .1449 | 36019927.89 |
| 14S9620800 | Integrated Circuit | U42 | Telcordia Issue 1 | Level I | | 1.00 | 0.027762 | .1449 | 36019927.89 |
| 14S4872800 | Semiconductor | U11 | Telcordia Issue 1 | Level I | | 1.00 | 0.163833 | .8550 | 6103786.54 |
| 14S4195710 | Integrated Circuit | U54 | Telcordia Issue 1 | Level I | | 1.00 | 0.063856 | .3332 | 15660198.22 |
| 14S9144200 | Integrated Circuit | U43,U44 | Telcordia Issue 1 | Level I | | 2.00 | 0.027762 | .2898 | 36019927.89 |
| 14S3052400 | Integrated Circuit | U47,U48,U49,U50 | Telcordia Issue 1 | Level I | | 4.00 | 0.063856 | 1.3330 | 15660198.22 |
| 14S4811102 | Integrated Circuit | U38 | Telcordia Issue 1 | Level I | | 1.00 | 0.027762 | .1449 | 36019927.89 |
| 14S4963501 | Integrated Circuit | U53 | Telcordia Issue 1 | Level I | | 1.00 | 0.063856 | .3332 | 15660198.22 |
| 14S3111600 | Integrated Circuit | U8 | Telcordia Issue 1 | Level I | | 1.00 | 0.034420 | .1796 | 29052723.87 |
| 14S4257900 | Integrated Circuit | U39 | Telcordia Issue 1 | Level I | | 1.00 | 0.027762 | .1449 | 36019927.89 |
| 1231332722 | Miscellaneous | Y1 | Telcordia Issue 1 | Level I | | 1.00 | 0.150000 | .7828 | 6666666.67 |
| 123132505D | Miscellaneous | Y2,Y3,Y4 | Telcordia Issue 1 | Level I | | 3.00 | 0.150000 | 2.3484 | 6666666.67 |
| 1651609883 | Connection | U26 | Telcordia Issue 1 | Level I | 35.90 | 1.00 | 0.006328 | .0330 | 158033940.71 |
| 14S4622800 | Integrated Circuit | U9 | Telcordia Issue 1 | Level I | | 1.00 | 0.063856 | .3332 | 15660198.22 |
| 1211103370 | Inductor | L2,L4 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 1301003440 | Semiconductor | D22,D23 | Telcordia Issue 1 | Level I | | 2.00 | 0.024575 | .2565 | 40691910.29 |
| 14S3587000 | Integrated Circuit | U20 | Telcordia Issue 1 | Level I | 39.10 | 1.00 | 0.787872 | 4.1116 | 1269241.44 |
| 14S3587000 | Integrated Circuit | U32 | Telcordia Issue 1 | Level I | | 1.00 | 0.063856 | .3332 | 15660198.22 |
| 1211000180 | Inductor | L3 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 1189633184 | Capacitor | C357 | Telcordia Issue 1 | Level I | 31.60 | 1.00 | 0.008067 | .0421 | 123968142.81 |
| 1189633184 | Capacitor | C338,C358, C449,EC18,EC19, EC20 | Telcordia Issue 1 | Level I | | 6.00 | 0.004625 | .1448 | 216222765.25 |
| 1211106872 | Inductor | L13,L6 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 1211105673 | Inductor | L1 | Telcordia Issue 1 | Level I | | 1.00 | 0.087872 | .4586 | 11380145.54 |
| 14S3121800 | Integrated Circuit | U17 | Telcordia Issue 1 | Level I | | 1.00 | 0.063856 | .3332 | 15660198.22 |
| 1189647180 | Capacitor | EC21,EC22,EC23, EC24,EC25 | Telcordia Issue 1 | Level I | | 5.00 | 0.004625 | .1207 | 216222765.25 |
| 1315482110 | Semiconductor | U12,U15,U16 | Telcordia Issue 1 | Level I | | 3.00 | 0.081916 | 1.2825 | 12207573.09 |
| 1314895510 | Integrated Circuit | U28 | Telcordia Issue 1 | Level I | | 1.00 | 0.063856 | .3332 | 15660198.22 |

AAEON Reliability Prediction Report

Part Number 9697QM6714-D
Reference Des
Date 10. 28, 2011
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 26.00



Description Top-level assembly
File Name EMB-QM67.RPJ
Time 11:52
Failure Rate 19.162246
MTBF 52,186

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Quantity | Failure Rate, Unit | Failure Rate, % | MTBF, Unit |
|-------------|--------------------|---|-------------------|---------|-----------|----------|--------------------|-----------------|--------------|
| 1315441012 | Semiconductor | Q14 | Telcordia Issue 1 | Level I | | 1.00 | 0.081916 | .4275 | 12207573.09 |
| 1122522890 | Capacitor | C126,C201,C315, C356,C390,C84 | Telcordia Issue 1 | Level I | | 6.00 | 0.004625 | .1448 | 216222765.25 |
| 1124468090 | Capacitor | C430 | Telcordia Issue 1 | Level I | | 1.00 | 0.004625 | .0241 | 216222765.25 |
| 11E9547680 | Capacitor | C265,C266,C267, C268,C269,C360 | Telcordia Issue 1 | Level I | | 6.00 | 0.004625 | .1448 | 216222765.25 |
| 11E1547090 | Capacitor | C239,C240 | Telcordia Issue 1 | Level I | | 2.00 | 0.004625 | .0483 | 216222765.25 |
| 1124582880 | Capacitor | C135,C44,C54 | Telcordia Issue 1 | Level I | | 3.00 | 0.004625 | .0724 | 216222765.25 |
| 1124522290 | Capacitor | C125 | Telcordia Issue 1 | Level I | | 1.00 | 0.004625 | .0241 | 216222765.25 |
| 11E1510050 | Capacitor | C176,C177,C86,C87, TC11,TC12,TC21, TC22,TC24,TC25, TC27,TC28,TC3,TC34, TC4,TC43 | Telcordia Issue 1 | Level I | | 16.00 | 0.004625 | .3862 | 216222765.25 |
| 11E1647650 | Capacitor | C164,C183,C188, C235,C236,C237, C238,C459 | Telcordia Issue 1 | Level I | | 8.00 | 0.004625 | .1931 | 216222765.25 |
| 11E9622080 | Capacitor | C395,C410 | Telcordia Issue 1 | Level I | | 2.00 | 0.004625 | .0483 | 216222765.25 |
| 11C4501790 | Capacitor | C195 | Telcordia Issue 1 | Level I | | 1.00 | 0.004625 | .0241 | 216222765.25 |
| 14S2083600 | Integrated Circuit | U36 | Telcordia Issue 1 | Level I | | 1.00 | 0.027762 | .1449 | 36019927.89 |
| 1181610180 | Capacitor | EC7 | Telcordia Issue 1 | Level I | | 1.00 | 0.004625 | .0241 | 216222765.25 |
| 1212306030 | Inductor | FB1,FB11,FB2,FB22, FB24,FB25,FB26,FB7, FB9 | Telcordia Issue 1 | Level I | | 9.00 | 0.002312 | .1086 | 432445530.49 |
| 105A566513 | Resistor | R11,R20 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 105A702263 | Resistor | R14,R36,R574,R575, R624,R653 | Telcordia Issue 1 | Level I | | 6.00 | 0.002312 | .0724 | 432445530.49 |
| 1050507530 | Resistor | R16,R19,R71 | Telcordia Issue 1 | Level I | | 3.00 | 0.002312 | .0362 | 432445530.49 |
| 105A575003 | Resistor | R21 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 1050505164 | Resistor | R27 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 1050548714 | Resistor | R85 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 105A535713 | Resistor | R37,R41,R766,R798 | Telcordia Issue 1 | Level I | | 4.00 | 0.002312 | .0483 | 432445530.49 |
| 105A503333 | Resistor | R42,R572 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 105A504723 | Resistor | R503 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 1050520034 | Resistor | R673,R97 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 105A503039 | Resistor | R106,R646,R838 | Telcordia Issue 1 | Level I | | 3.00 | 0.002312 | .0362 | 432445530.49 |
| 1050700002 | Resistor | R111 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 1050514324 | Resistor | R126,R618 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 1050584514 | Resistor | R137,R138 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 1059501001 | Resistor | R204 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 1050501234 | Resistor | R234,R238,R692 | Telcordia Issue 1 | Level I | | 3.00 | 0.002312 | .0362 | 432445530.49 |
| 105A510213 | Resistor | R235,R811 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 1050532414 | Resistor | R387 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |

AAEON Reliability Prediction Report

Part Number 9697QM6714-D
Reference Des
Date 10. 28, 2011
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 26.00



Description Top-level assembly
File Name EMB-QM67.RPJ
Time 11:52
Failure Rate 19.162246
MTBF 52,186

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Quantity | Failure Rate, Unit | Failure Rate, % | MTBF, Unit |
|-------------|--------------------|-----------------------------------|-------------------|---------|-----------|----------|--------------------|-----------------|--------------|
| 105A580623 | Resistor | R237 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 105A566519 | Resistor | R239,R240 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 105A502039 | Resistor | R243,R649,R839 | Telcordia Issue 1 | Level I | | 3.00 | 0.002312 | .0362 | 432445530.49 |
| 105A560403 | Resistor | R253 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 105A700239 | Resistor | R280 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 1050538314 | Resistor | R299,R339 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 1050527424 | Resistor | R300,R340 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 1050540224 | Resistor | R302,R844 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 1050505633 | Resistor | R308 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 1050564904 | Resistor | R348 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 105A715003 | Resistor | R389,R394 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 105A501533 | Resistor | R491,R492,R849 | Telcordia Issue 1 | Level I | | 3.00 | 0.002312 | .0362 | 432445530.49 |
| 105A705139 | Resistor | R524,R525,R537, R538,R918,R919 | Telcordia Issue 1 | Level I | | 6.00 | 0.002312 | .0724 | 432445530.49 |
| 1054700289 | Resistor | R534 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 105A544213 | Resistor | R566 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 105A522123 | Resistor | R573 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 105A571513 | Resistor | R598 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 105A549923 | Resistor | R627 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 105A506823 | Resistor | R641 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 105A532429 | Resistor | R645 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 105A525563 | Resistor | R667 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 1050524934 | Resistor | R695 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 105A549963 | Resistor | R709 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 105A537463 | Resistor | R711 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 105A511823 | Resistor | R754 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 105A706209 | Resistor | R788 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 105A588703 | Resistor | R810,R860 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 105A727033 | Resistor | R812,R881 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 105A560413 | Resistor | R823 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 1050540214 | Resistor | R846 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 14S4021301 | Integrated Circuit | U1,U4,U46,U5,U6,U7 | Telcordia Issue 1 | Level I | | 6.00 | 0.063856 | 1.9994 | 15660198.22 |
| 1314780511 | Integrated Circuit | U2 | Telcordia Issue 1 | Level I | | 1.00 | 0.063856 | .3332 | 15660198.22 |
| 14S5A00704 | Integrated Circuit | U13,U60,U61 | Telcordia Issue 1 | Level I | | 3.00 | 0.027762 | .4346 | 36019927.89 |
| 14S9108500 | Integrated Circuit | U14,U29,U34,U35, U59 | Telcordia Issue 1 | Level I | | 5.00 | 0.063856 | 1.6662 | 15660198.22 |
| 14S5A00802 | Integrated Circuit | U57,U58,U63,U64 | Telcordia Issue 1 | Level I | | 4.00 | 0.027762 | .5795 | 36019927.89 |

AAEON Reliability Prediction Report

Part Number 9697QM6714-D
Reference Des
Date 10. 28, 2011
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 26.00



Description Top-level assembly
File Name EMB-QM67.RPJ
Time 11:52
Failure Rate 19.162246
MTBF 52,186

| Part Number | Category | Location | Calculation Model | Quality | Tem. Rise | Quantity | Failure Rate, Unit | Failure Rate,% | MTBF, Unit |
|-------------|--------------------|--|-------------------|---------|-----------|----------|--------------------|----------------|--------------|
| 1121647480 | Capacitor | C465 | Telcordia Issue 1 | Level I | | 1.00 | 0.004625 | .0241 | 216222765.25 |
| 1189633162 | Capacitor | EC15,EC16 | Telcordia Issue 1 | Level I | | 2.00 | 0.004625 | .0483 | 216222765.25 |
| 121230603S | Inductor | FB10,FB23,FB3,FB4, FB6 | Telcordia Issue 1 | Level I | | 5.00 | 0.002312 | .0603 | 432445530.49 |
| 12123C0007 | Inductor | FB5 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 1212306035 | Inductor | FB12,FB13,FB14, FB15,FB16,FB8 | Telcordia Issue 1 | Level I | | 6.00 | 0.002312 | .0724 | 432445530.49 |
| 12123D0001 | Inductor | FB17,FB18,FB19 | Telcordia Issue 1 | Level I | | 3.00 | 0.002312 | .0362 | 432445530.49 |
| 1212308054 | Inductor | FB20,FB21 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 1752310000 | Miscellaneous | FS2,FS3 | Telcordia Issue 1 | Level I | | 2.00 | 0.003000 | .0313 | 333333333.33 |
| 1311390610 | Semiconductor | Q83 | Telcordia Issue 1 | Level I | | 1.00 | 0.024575 | .1282 | 40691910.29 |
| 11C1522480 | Capacitor | C136,C311,C37 | Telcordia Issue 1 | Level I | | 3.00 | 0.004625 | .0724 | 216222765.25 |
| 1050533214 | Resistor | R301 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 105A747003 | Resistor | R405,R892 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 121110226U | Inductor | L17 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 14S3102000 | Integrated Circuit | U75 | Telcordia Issue 1 | Level I | | 1.00 | 0.063856 | .3332 | 15660198.22 |
| 1211100114 | Inductor | L11,L9 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 12123C0010 | Inductor | FB28,FB29 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 1315970211 | Semiconductor | U68,U69,U70,U71 | Telcordia Issue 1 | Level I | | 4.00 | 0.163833 | 3.4199 | 6103786.54 |
| 105A503423 | Resistor | R454,R900 | Telcordia Issue 1 | Level I | | 2.00 | 0.002312 | .0241 | 432445530.49 |
| 11E9547650 | Capacitor | C291 | Telcordia Issue 1 | Level I | | 1.00 | 0.004625 | .0241 | 216222765.25 |
| 1315230111 | Semiconductor | Q90 | Telcordia Issue 1 | Level I | | 1.00 | 0.000000 | .0000 | .00 |
| 105A590923 | Resistor | R236 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 1050702734 | Resistor | R902 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 1124510180 | Capacitor | C108 | Telcordia Issue 1 | Level I | | 1.00 | 0.004625 | .0241 | 216222765.25 |
| 1311138610 | Semiconductor | Q89 | Telcordia Issue 1 | Level I | | 1.00 | 0.024575 | .1282 | 40691910.29 |
| 165320520C | Connection | COM1,COM3,COM4, COM5,COM6,DIO1, USB3,USB4 | Telcordia Issue 1 | Level I | | 8.00 | 0.005994 | .2502 | 166837062.32 |
| 1211104760 | Inductor | L18 | Telcordia Issue 1 | Level I | | 1.00 | 0.002312 | .0121 | 432445530.49 |
| 175011901C | Miscellaneous | BAT1 | Telcordia Issue 1 | Level I | | 1.00 | 0.900000 | 4.6967 | 1111111.11 |
| 1655902030 | Connection | BAT1 | Telcordia Issue 1 | Level I | | 1.00 | 0.001199 | .0063 | 834185311.58 |
| 175910000B | Miscellaneous | BZ1 | Telcordia Issue 1 | Level I | | 1.00 | 0.150000 | .7828 | 6666666.67 |
| 1654439501 | Connection | CN1 | Telcordia Issue 1 | Level I | | 1.00 | 0.023376 | .1220 | 42778733.93 |
| 1655305020 | Connection | CN12 | Telcordia Issue 1 | Level I | | 1.00 | 0.002997 | .0156 | 333674124.63 |
| 1654434300 | Connection | CN13 | Telcordia Issue 1 | Level I | | 1.00 | 0.001199 | .0063 | 834185311.58 |
| 1655404020 | Connection | CN3 | Telcordia Issue 1 | Level I | | 1.00 | 0.002398 | .0125 | 417092655.79 |
| 1169656191 | Capacitor | C132,C145 | Telcordia Issue 1 | Level I | | 2.00 | 0.005501 | .0574 | 181774505.62 |
| 1655004014 | Connection | FAN1,FAN2 | Telcordia Issue 1 | Level I | | 2.00 | 0.001199 | .0125 | 834185311.58 |

