



OFT-07W03

Reliability Prediction Report

(MTBF)

MTBF Number : EMTBF-OFT0703

Release Date : 2020/09/30

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|---------------------|-------------|------------------|----------|-----------------------|-------------------|
| Initiated by | Kevin Huang | Job Title | Engineer | Originate Date | 2020/09/30 |
| Approved by | Simon Lin | Job Title | Manager | Revision | QD4-069 Rev.A2 |

Reliability Prediction(MTBF)

I. Model Name : OFT-07W03

Description :

- Cherry Trail Z8350 Intel Atom 1.44GHz, 2GB DDR3L Up to 4GB DDR3L, 32GB eMMC Up to 64GB eMMC, 2x USB Type A (2.0 x1, 3.0 x1), 1x HDMI, 1x Head phone jack, 1x Micro SD slot, 1 x 10/100 Ethernet, M.2 B-Key(3042) connector socket, 1 x 802.11 b/g/n/ac Wireless LAN and Bluetooth 5.0, 7” 800 x 1280 LCD Panel, Touch Screen 7”, Touch Controller, AT/ATX, DC jack_input 12V~24V.

II. Predication Date : 2020/9/30

III. Prediction Site : Avalue Technology Software – DQV Dept.

IV. Predicted by : Kevin Huang

V. Simulation Environment :

- Temperature : 30°C
- Standard : Telcordia Issue 4

VI. Prediction Result :

- Failure Rate : See next pages
- MTBF : See next pages

Parts Report



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|-----------------------------|----------------|---------------------------------|-------------------|
| Name | OFT-07W03 | Failure Rate | 25900.428117 |
| Description | Temperature:30 | Failure Rate, Percentage | 100.00 |
| Reference Designator | | MTBF | 38609.40 |
| Quantity | | Calculation Model | Telcordia Issue 4 |

| Tag | Part Number | Category | Subcategory | Type | Reference Designator | Description | Quantity | Failure Rate, Override | Failure Rate |
|--------------------------|--------------|------------|-------------|------|---------------------------|---|----------|------------------------|--------------|
| <input type="checkbox"/> | E1181656721H | Capacitor | Ceramic | | C87 | FP/RE 560uF 6.3V 20% 6.3x8x2.5x3.1 DIP | 1 | | 0.106306 |
| <input type="checkbox"/> | E1601010400R | Switch | Pushbutton | | SRST1 | TACT Switch 4P 90D BLK L=3.15/H=8.6 DIP | 1 | | 2.367048 |
| <input type="checkbox"/> | E1613310000R | Connection | IC Socket | | JAT1,JCMOS1 | PH 3Px1 2.0mm 180D(M) BLK DIP Pinrex | 2 | | 2.829906 |
| <input type="checkbox"/> | E1613510000R | Connection | IC Socket | | JMCU1 | PH 5Px1 2.0mm 180D(M) BLK DIP Pinrex | 1 | | 1.598488 |
| <input type="checkbox"/> | E1614310000R | Connection | IC Socket | | JBLP1 | PH 3Px1 2.54mm 180D(M) BLK DIP Pinrex | 1 | | 1.598488 |
| <input type="checkbox"/> | E165250530AR | Connection | IC Socket | | JHP1 | Audio-HD 5P 90D(F) 3.5 GRN DIP EP- F01R0C | 1 | | 1.598488 |
| <input type="checkbox"/> | E1653302121R | Connection | IC Socket | | JBLP1(1-2) | M-Jx1 2.54mm YEL Open CATCH 1132- 040-02 | 1 | | 1.598488 |
| <input type="checkbox"/> | E1653302123R | Connection | IC Socket | | JAT1(1-2),JCMOS1 (1-2) | M-Jx1 2.0mm BLK Close CATCH 1133- 001-02 | 2 | | 2.829906 |
| <input type="checkbox"/> | E1660210201H | Connection | IC Socket | | JPB1 | Wafer 2P B-W 1.25 180D(M) WHT DIP Pinrex | 1 | | 1.598488 |
| <input type="checkbox"/> | E1662221200R | Connection | IC Socket | | JPWR2 | Wafer 2Px2 B-W 2.0 90D(M) NAT DIP Pinrex | 1 | | 1.598488 |

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| <input type="checkbox"/> | E1662310201H | Connection | IC Socket | | JCOM1 | Wafer 3P B-W 2.0 180D(M) WHT DIP Pinrex | 1 | | 1.598488 |
| <input type="checkbox"/> | E1662411200H | Connection | IC Socket | | JSPK1 | Wafer 4P B-W 2.0 90D(M) NAT DIP CKM | 1 | | 1.598488 |
| <input type="checkbox"/> | E1662510201H | Connection | IC Socket | | JBL1 | Wafer 5P B-W 2.0 180D(M) WHT DIP Pinrex | 1 | | 1.598488 |
| <input type="checkbox"/> | E1662511201H | Connection | IC Socket | | JCOM2,JTP2 | Wafer 5P B-W 2.0 90D(M) NAT DIP CKM | 2 | | 2.829906 |
| <input type="checkbox"/> | E1662521200R | Connection | IC Socket | | JCAM1,JCOM3,JSEN 1 | Wafer 5Px2 B-W 2.0 90D(M) NAT DIP Pinrex | 3 | | 4.001146 |
| <input type="checkbox"/> | E1662611200H | Connection | IC Socket | | JTP1 | Wafer 6P B-W 2.0 90D(M) NAT DIP CKM | 1 | | 1.598488 |
| <input type="checkbox"/> | E1662621201R | Connection | IC Socket | | JTK1 | Wafer 6Px2 B-W 2.0 90D(M) NAT DIP Pinrex | 1 | | 1.598488 |
| <input type="checkbox"/> | E16D1400302R | Connection | IC Socket | | JUSB2 | USB-A 4P 90D(F) WHT DIP JKCR | 1 | | 1.598488 |
| <input type="checkbox"/> | E16D5900301R | Connection | IC Socket | | JUSB1 | USB3.0-A 9P 90D(F) BLU DIP Winwin | 1 | | 1.598488 |
| <input type="checkbox"/> | E16G2122300R | Connection | IC Socket | | JLAN1 | RJ45-I 12P 90D UP LED(Y/GO) Xfmr DIP UDE | 1 | | 1.598488 |
| <input type="checkbox"/> | E16H3361100R | Connection | General Purpose, Power | | JPWR1 | DC-J 3P 90D(M) 2.5mm BLK DIP JKCR | 1 | | 37.363353 |

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| <input type="checkbox"/> | E10187005CXH-P1 | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R231 | LPR 0.005 2W@70C 5% 2512 WHT SMD PDC | 1 | | 0.088615 |
| <input type="checkbox"/> | E102X501032H | Resistor | Thermistor | | RT1 | THR 10K 1% 0603 SMD SEMITEC 103KT1608-1P | 1 | | 2.515815 |
| <input type="checkbox"/> | E1050501010H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R91,R157 | CR 100 1/16W 1% 0402 SMD (HF) | 2 | | 0.164100 |
| <input type="checkbox"/> | E1050501030H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R284,R328 | CR 10K 1/16W 1% 0402 SMD (HF) | 2 | | 0.164100 |
| <input type="checkbox"/> | E1050501050H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R321,R322 | CR 1M 1/16W 1% 0402 SMD (HF) | 2 | | 0.164100 |
| <input type="checkbox"/> | E1050501230H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R223,R460 | CR 12K 1/16W 1% 0402 SMD (HF) | 2 | | 0.164100 |
| <input type="checkbox"/> | E1050501240H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R153 | CR 120K 1/16W 1% 0402 SMD (HF) | 1 | | 0.088615 |
| <input type="checkbox"/> | E1050501530H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R150,R285 | CR 15K 1/16W 1% 0402 SMD (HF) | 2 | | 0.164100 |
| <input type="checkbox"/> | E1050501840H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R57 | CR 180K 1/16W 1% 0402 SMD (HF) | 1 | | 0.088615 |
| <input type="checkbox"/> | E1050502020H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R393 | CR 2K 1/16W 1% 0402 SMD (HF) | 1 | | 0.088615 |
| <input type="checkbox"/> | E1050502030H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R212,R215 | CR 20K 1/16W 1% 0402 SMD (HF) | 2 | | 0.164100 |
| <input type="checkbox"/> | E1050502410H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R117,R178,R293,R355 | CR 240 1/16W 1% 0402 SMD (HF) | 4 | | 0.309817 |
| <input type="checkbox"/> | E1050502430H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R109 | CR 24K 1/16W 1% 0402 SMD (HF) | 1 | | 0.088615 |
| <input type="checkbox"/> | E1050503020H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R217 | CR 3K 1/16W 1% 0402 SMD (HF) | 1 | | 0.088615 |

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| <input type="checkbox"/> | E1050504720H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R121,R126,R381,R382 | CR 4.7K 1/16W 1% 0402 SMD (HF) | 4 | | 0.309817 |
| <input type="checkbox"/> | E1050506810H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R399,R400,R401,R402,R403,R404,R405,R406 | CR 680 1/16W 1% 0402 SMD (HF) | 8 | | 0.593057 |
| <input type="checkbox"/> | E1050507530H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R334 | CR 75K 1/16W 1% 0402 SMD (HF) | 1 | | 0.088615 |
| <input type="checkbox"/> | E1050510220H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R146 | CR 10.2K 1/16W 1% 0402 SMD (HF) | 1 | | 0.088615 |
| <input type="checkbox"/> | E1050510530H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R287 | CR 105K 1/16W 1% 0402 SMD (HF) | 1 | | 0.088615 |
| <input type="checkbox"/> | E1050511300H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R127 | CR 113 1/16W 1% 0402 SMD (HF) | 1 | | 0.088615 |
| <input type="checkbox"/> | E1050512120H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R286,R412,R418 | CR 12.1K 1/16W 1% 0402 SMD (HF) | 3 | | 0.237496 |
| <input type="checkbox"/> | E1050512420H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R471 | CR 12.4K 1/16W 1% 0402 SMD (HF) | 1 | | 0.088615 |
| <input type="checkbox"/> | E1050518200H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R87 | CR 182 1/16W 1% 0402 SMD (HF) | 1 | | 0.088615 |
| <input type="checkbox"/> | E1050524910H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R106 | CR 2.49K 1/16W 1% 0402 SMD (HF) | 1 | | 0.088615 |
| <input type="checkbox"/> | E1050530100H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R351 | CR 301 1/16W 1% 0402 SMD (HF) | 1 | | 0.088615 |
| <input type="checkbox"/> | E1050540200H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R118,R139,R152,R346 | CR 402 1/16W 1% 0402 SMD (HF) | 4 | | 0.309817 |
| <input type="checkbox"/> | E10505499A0H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R108,R469,R470,R472,R473 | CR 49.9 1/16W 1% 0402 SMD (HF) | 5 | | 0.381454 |
| <input type="checkbox"/> | E1050560410H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R395 | CR 6.04K 1/16W 1% 0402 SMD (HF) | 1 | | 0.088615 |
| <input type="checkbox"/> | E10505806A0H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R95 | CR 80.6 1/16W 1% 0402 SMD (HF) | 1 | | 0.088615 |

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| <input type="checkbox"/> | E1050700000H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R12,R18,R38,R114,R136,R137,R141,R142,R160,R185,R188,R190,R191,R193,R195,R196,R197,R201,R260,R292,R298,R301,R305,R307,R313,R336,R353,R357,R376,R410,R417,R451,R452,R455,R464,R475 | CR 0 1/16W 5% 0402 SMD (HF) | 36 | | 2.525219 |
| <input type="checkbox"/> | E1050701000H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R72,R82,R306,R476 | CR 10 1/16W 5% 0402 SMD (HF) | 4 | | 0.309817 |
| <input type="checkbox"/> | E1050701010H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R347,R348,R350 | CR 100 1/16W 5% 0402 SMD (HF) | 3 | | 0.237496 |
| <input type="checkbox"/> | E1050701020H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R43,R63,R107,R143,R145,R159,R164,R181,R182,R199,R206,R235,R243,R249,R304,R356,R362,R365,R430,R434,R441,R442,R443,R457 | CR 1K 1/16W 5% 0402 SMD (HF) | 24 | | 1.702659 |

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| <input type="checkbox"/> | E1050701030H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R1,R11,R21,R62,R74,R111,R113,R124,R129,R134,R147,R151,R158,R163,R167,R168,R169,R170,R186,R202,R203,R205,R211,R221,R224,R226,R227,R228,R244,R245,R248,R250,R259,R262,R266,R268,R269,R270,R299,R300,R303,R325,R330,R339,R341,R343,R349,R359,R361,R364,R389,R390,R407,R423,R424,R426,R431,R436,R438,R447,R450,R453,R454,R456,R458,R459,R461,R463,R466,R467,R468 | CR 10K 1/16W 5% 0402 SMD (HF) | 71 | | 4.907603 |
| <input type="checkbox"/> | E1050701040H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R31,R64,R102,R115,R130,R242,R267,R291,R332,R342,R344,R444,R445,R446 | CR 100K 1/16W 5% 0402 SMD (HF) | 14 | | 1.012075 |
| <input type="checkbox"/> | E1050701050H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R415 | CR 1M 1/16W 5% 0402 SMD (HF) | 1 | | 0.088615 |
| <input type="checkbox"/> | E1050701060H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R110,R462 | CR 10M 1/16W 5% 0402 SMD (HF) | 2 | | 0.164100 |

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| <input type="checkbox"/> | E1050702030H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R88,R140,R175,R179,R180,R366,R368,R369,R413 | CR 20K 1/16W 5% 0402 SMD (HF) | 9 | | 0.663306 |
| <input type="checkbox"/> | E1050702040H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R93,R116,R220 | CR 200K 1/16W 5% 0402 SMD (HF) | 3 | | 0.237496 |
| <input type="checkbox"/> | E1050702200H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R58,R61,R71,R75,R77,R83,R138,R240,R241,R296,R297,R309,R310,R408,R409,R437 | CR 22 1/16W 5% 0402 SMD (HF) | 16 | | 1.150766 |
| <input type="checkbox"/> | E1050702220H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R25,R34,R41,R46,R60,R70,R78,R79,R80,R81,R89,R90,R120,R122,R204,R210,R214,R229,R230,R308,R315,R316,R317,R425,R427,R428,R429 | CR 2.2K 1/16W 5% 0402 SMD (HF) | 27 | | 1.908766 |
| <input type="checkbox"/> | E1050703300H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R192,R236,R237,R302 | CR 33 1/16W 5% 0402 SMD (HF) | 4 | | 0.309817 |
| <input type="checkbox"/> | E1050703310H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R8,R477,R478 | CR 330 1/16W 5% 0402 SMD (HF) | 3 | | 0.237496 |
| <input type="checkbox"/> | E1050703320H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R22,R24,R36 | CR 3.3K 1/16W 5% 0402 SMD (HF) | 3 | | 0.237496 |
| <input type="checkbox"/> | E1050704700H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R209 | CR 47 1/16W 5% 0402 SMD (HF) | 1 | | 0.088615 |
| <input type="checkbox"/> | E1050704710H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R246,R247,R255,R256,R372,R373 | CR 470 1/16W 5% 0402 SMD (HF) | 6 | | 0.452604 |
| <input type="checkbox"/> | E1050704720H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R420,R422,R439 | CR 4.7K 1/16W 5% 0402 SMD (HF) | 3 | | 0.237496 |

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| <input type="checkbox"/> | E10507047A0H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R320,R323 | CR 4.7 1/16W 5% 0402 SMD (HF) | 2 | | 0.164100 |
| <input type="checkbox"/> | E1050705100H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R172,R360,R363,R367,R371 | CR 51 1/16W 5% 0402 SMD (HF) | 5 | | 0.381454 |
| <input type="checkbox"/> | E1051501211H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R257 | CR 120 1/10W 1% 0603 SMD (HF) | 1 | | 0.088615 |
| <input type="checkbox"/> | E1051531621H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R282 | CR 31.6K 1/10W 1% 0603 SMD (HF) | 1 | | 0.088615 |
| <input type="checkbox"/> | E1051700001H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R225,R396 | CR 0 1/10W 5% 0603 SMD (HF) | 2 | | 0.164100 |
| <input type="checkbox"/> | E1051701021H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R218 | CR 1K 1/10W 5% 0603 SMD (HF) | 1 | | 0.088615 |
| <input type="checkbox"/> | E1051702711H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R397,R398 | CR 270 1/10W 5% 0603 SMD (HF) | 2 | | 0.164100 |
| <input type="checkbox"/> | E1051703311H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R123,R135 | CR 330 1/10W 5% 0603 SMD (HF) | 2 | | 0.164100 |
| <input type="checkbox"/> | E1051707531H | Resistor | Fixed | Film (Carbon, Oxide, Metal) | R394 | CR 75K 1/10W 5% 0603 SMD (HF) | 1 | | 0.088615 |
| <input type="checkbox"/> | E1060700002H | Resistor | Network | | RN8 | NETR 0 1/16W 5% 4P2R 0402X2 SMD (HF) | 1 | | 0.169800 |
| <input type="checkbox"/> | E1060701031H | Resistor | Network | | RN6,RN7,RN9 | NETR 10K 1/16W 5% 8P4R 0402X4 SMD (HF) | 3 | | 0.409306 |

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| <input type="checkbox"/> | E1121610600H | Capacitor | Ceramic | | C4,C5,C28,C96,C97,C119,C120,C142,C145,C154,C186,C213,C219,C222,C226,C229,C233,C245,C280,C284,C300,C319,C321,C334,C337,C339,C340,C367,C384,C412,C413,C414 | MLCC 10uF 6.3V 20% X5R 0402 SMD (HF) | 32 | | 3.078344 |
| <input type="checkbox"/> | E1121610610H | Capacitor | Ceramic | | C395,C396,C403,C405 | MLCC 10uF 6.3V 20% X5R 0603 SMD (HF) | 4 | | 0.400379 |
| <input type="checkbox"/> | E1121622500H | Capacitor | Ceramic | | C144,C166,C170,C171,C172,C175,C239,C380 | MLCC 2.2uF 6.3V 20% X5R 0402 SMD (HF) | 8 | | 0.786635 |
| <input type="checkbox"/> | E1121622610H | Capacitor | Ceramic | | C261,C289,C290,C291,C292,C294,C299,C302,C312,C316,C325,C351,C352,C353,C354,C358,C359,C360 | MLCC 22uF 6.3V 20% X5R 0603 SMD (HF) | 18 | | 1.744355 |

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| <input type="checkbox"/> | E1121647500H | Capacitor | Ceramic | | C67,C73,C75,C79,C81,C82,C83,C84,C86,C90,C92,C109,C156,C164,C167,C174,C184,C265,C269,C275,C305,C309,C317,C322,C323,C324,C328,C331,C335,C338,C349,C350,C372,C387,C417,C422,C428 | MLCC 4.7uF 6.3V 20% X5R 0402 SMD (HF) | 37 | | 3.553814 |
| <input type="checkbox"/> | E1121647620H | Capacitor | Ceramic | | C61,C62,C130,C131,C196,C197,C199,C200,C210,C211,C379 | MLCC 47uF 6.3V 20% X5R 0805 SMD (HF) | 11 | | 1.074721 |
| <input type="checkbox"/> | E1122510500H | Capacitor | Ceramic | | C2,C7,C15,C35,C38,C39,C72,C78,C89,C91,C93,C99,C110,C111,C113,C114,C115,C139,C206,C274,C277,C301,C303,C304,C307,C310,C311,C313,C315,C320,C326,C327,C329,C330,C332,C333,C336,C341,C342,C343,C345,C347,C348,C357,C363,C371,C373,C431 | MLCC 1uF 10V 10% X5R 0402 SMD (HF) | 48 | | 4.598745 |

Parts Report



| | | | |
|-----------------------------|----------------|---------------------------------|-------------------|
| Name | OFT-07W03 | Failure Rate | 25900.428117 |
| Description | Temperature:30 | Failure Rate, Percentage | 100.00 |
| Reference Designator | | MTBF | 38609.40 |
| Quantity | | Calculation Model | Telcordia Issue 4 |

| Tag | Part Number | Category | Subcategory | Type | Reference Designator | Description | Quantity | Failure Rate, Override | Failure Rate |
|--------------------------|--------------|-----------|-------------|------|--|--------------------------------------|----------|------------------------|--------------|
| <input type="checkbox"/> | E1123510400H | Capacitor | Ceramic | | C1,C3,C9,C12,C13,C16,C17,C18,C20,C21,C24,C26,C27,C29,C31,C36,C37,C49,C53,C60,C71,C74,C76,C77,C80,C94,C95,C100,C101,C102,C103,C106,C112,C121,C122,C132,C143,C146,C147,C148,C155,C157,C162,C163,C169,C182,C183,C185,C187,C188,C189,C190,C191,C192,C193,C194,C195,C201,C204,C214,C216,C217,C218,C221,C223,C230,C235,C236,C237,C238,C240,C241,C243,C244,C247,C248,C252,C253,C256,C257,C258,C262,C264,C266,C272,C276,C278,C281,C283,C285,C287,C288,C296,C306,C308,C318,C344,C346,C370,C381,C382,C385,C386,C397,C399,C400,C401,C402,C404,C406,C407,C408, | MLCC 100nF 16V 10% X7R 0402 SMD (HF) | 129 | | 12.271585 |

Parts Report



| | | | |
|-----------------------------|----------------|---------------------------------|-------------------|
| Name | OFT-07W03 | Failure Rate | 25900.428117 |
| Description | Temperature:30 | Failure Rate, Percentage | 100.00 |
| Reference Designator | | MTBF | 38609.40 |
| Quantity | | Calculation Model | Telcordia Issue 4 |

| Tag | Part Number | Category | Subcategory | Type | Reference Designator | Description | Quantity | Failure Rate, Override | Failure Rate |
|-----|-------------|----------|-------------|------|--|-------------|----------|------------------------|--------------|
| | | | | | C409,C415,C416,C418,C419,C420,C421,C423,C424,C425,C426,C429,C433,C439,C440,C441,C442 | | | | |

Parts Report



| | | | |
|-----------------------------|----------------|---------------------------------|-------------------|
| Name | OFT-07W03 | Failure Rate | 25900.428117 |
| Description | Temperature:30 | Failure Rate, Percentage | 100.00 |
| Reference Designator | | MTBF | 38609.40 |
| Quantity | | Calculation Model | Telcordia Issue 4 |

| Tag | Part Number | Category | Subcategory | Type | Reference Designator | Description | Quantity | Failure Rate, Override | Failure Rate |
|--------------------------|--------------|-----------|-------------|------|---|---|----------|------------------------|--------------|
| <input type="checkbox"/> | E1123510620H | Capacitor | Ceramic | | C242,C273 | MLCC 10uF 16V 10% X5R 0805 SMD (HF) | 2 | | 0.205183 |
| <input type="checkbox"/> | E1123522400H | Capacitor | Ceramic | | C104 | MLCC 220nF 16V 10% X5R 0402 SMD (HF) | 1 | | 0.106306 |
| <input type="checkbox"/> | E1123522510H | Capacitor | Ceramic | | C173 | MLCC 2.2uF 16V 10% X5R 0603 SMD (HF) | 1 | | 0.106306 |
| <input type="checkbox"/> | E1125510300H | Capacitor | Ceramic | | C70,C108,C388,C430 | MLCC 10nF 25V 10% X7R 0402 SMD (HF) | 4 | | 0.400379 |
| <input type="checkbox"/> | E1125547300H | Capacitor | Ceramic | | C48 | MLCC 47nF 25V 10% X7R 0402 SMD (HF) | 1 | | 0.106306 |
| <input type="checkbox"/> | E1127410100H | Capacitor | Ceramic | | C33,C40,C41,C45,C50,C55,C57,C231,C232 | MLCC 100pF 50V 5% NPO 0402 SMD (HF) | 9 | | 0.882770 |
| <input type="checkbox"/> | E1127415000H | Capacitor | Ceramic | | C394,C398,C427,C432 | MLCC 15pF 50V 5% NPO 0402 SMD (HF) | 4 | | 0.400379 |
| <input type="checkbox"/> | E1127418000H | Capacitor | Ceramic | | C66,C68 | MLCC 18pF 50V 5% NPO 0402 SMD (HF) | 2 | | 0.205183 |
| <input type="checkbox"/> | E1127422100H | Capacitor | Ceramic | | C133,C149,C202,C203,C434,C435,C436,C437 | MLCC 220pF 50V 5% NPO 0402 SMD (HF) | 8 | | 0.786635 |
| <input type="checkbox"/> | E1127510200H | Capacitor | Ceramic | | C168,C227,C234 | MLCC 1000pF 50V 10% X7R 0402 SMD (HF) | 3 | | 0.303082 |
| <input type="checkbox"/> | E1127510410H | Capacitor | Ceramic | | C63,C118,C298,C366,C392 | MLCC 100nF 50V 10% X7R 0603 SMD (HF) | 5 | | 0.497292 |

Parts Report



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|-----------------------------|----------------|---------------------------------|-------------------|
| Name | OFT-07W03 | Failure Rate | 25900.428117 |
| Description | Temperature:30 | Failure Rate, Percentage | 100.00 |
| Reference Designator | | MTBF | 38609.40 |
| Quantity | | Calculation Model | Telcordia Issue 4 |

| Tag | Part Number | Category | Subcategory | Type | Reference Designator | Description | Quantity | Failure Rate, Override | Failure Rate |
|--------------------------|--------------|-----------|-------------|------------------------|-------------------------------|---|----------|------------------------|--------------|
| <input type="checkbox"/> | E1127510620H | Capacitor | Ceramic | | C117,C297,C374,C389,C410,C411 | MLCC 10uF 50V 10% X5R 0805 SMD (HF) | 6 | | 0.593932 |
| <input type="checkbox"/> | E1127515210H | Capacitor | Ceramic | | C393 | MLCC 1500pF 50V 10% X7R 0603 SMD (HF) | 1 | | 0.106306 |
| <input type="checkbox"/> | E1127522310H | Capacitor | Ceramic | | C438 | MLCC 22nF 50V 10% X7R 0603 SMD (HF) | 1 | | 0.106306 |
| <input type="checkbox"/> | E1127533200H | Capacitor | Ceramic | | C293 | MLCC 3300pF 50V 10% X7R 0402 SMD (HF) | 1 | | 0.106306 |
| <input type="checkbox"/> | E1127840A00H | Capacitor | Ceramic | | C56,C59 | MLCC 4pF 50V +/- 0.25pF NPO 0402 SMD (HF) | 2 | | 0.205183 |
| <input type="checkbox"/> | E112X510230H | Capacitor | Ceramic | | C207 | MLCC 1000pF 2KV 10% X7R 1206 SMD | 1 | | 0.106306 |
| <input type="checkbox"/> | E1177510100H | Capacitor | Ceramic | | C138,C270,C295,C377 | NETC 100pF 50V 10% NPO 8P4C 0402X4 SMD | 4 | | 0.400379 |
| <input type="checkbox"/> | E1186622620H | Capacitor | Ceramic | | C44 | OC/SVFPF 22uF 35V 20% 6.3x7.3xH5.9 SMD | 1 | | 0.106306 |
| <input type="checkbox"/> | E1211201521H | Inductor | Coil | Radio Frequency, Fixed | L8,L10,L11 | Inductor 1.5uH 2.6A 20% 1210 SMD TOKO | 3 | | 0.312220 |
| <input type="checkbox"/> | E1211206810H | Inductor | Coil | Radio Frequency, Fixed | L6 | Inductor 680nH 3.5A 20% 1210 SMD TOKO | 1 | | 0.113437 |

Parts Report



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|-----------------------------|----------------|---------------------------------|-------------------|
| Name | OFT-07W03 | Failure Rate | 25900.428117 |
| Description | Temperature:30 | Failure Rate, Percentage | 100.00 |
| Reference Designator | | MTBF | 38609.40 |
| Quantity | | Calculation Model | Telcordia Issue 4 |

| Tag | Part Number | Category | Subcategory | Type | Reference Designator | Description | Quantity | Failure Rate, Override | Failure Rate |
|--------------------------|--------------|----------|-------------|------------------------|----------------------------|---|----------|------------------------|--------------|
| <input type="checkbox"/> | E121220102PH | Inductor | Coil | Radio Frequency, Fixed | L9 | Coil 1.0uH 6.2A 20% 4012 SMD TOKO | 1 | | 0.113437 |
| <input type="checkbox"/> | E121220222BH | Inductor | Coil | Radio Frequency, Fixed | L7,L12 | Coil 2.2uH 14A 20% 6030 SMD CYNTEC | 2 | | 0.213865 |
| <input type="checkbox"/> | E121220222DH | Inductor | Coil | Radio Frequency, Fixed | L3 | Coil 2.2uH 6.0A 20% 4020 SMD TAI-TECH | 1 | | 0.113437 |
| <input type="checkbox"/> | E1212204717H | Inductor | Coil | Radio Frequency, Fixed | L4,L5 | Coil 470nH 5.3A 20% 2520 SMD Darfon | 2 | | 0.213865 |
| <input type="checkbox"/> | E1213009004H | Inductor | Coil | Radio Frequency, Fixed | B23,B24,B25,B26 | BEAD 90(100MHz) 100mA 4P 03025 SMD muRata | 4 | | 0.408910 |
| <input type="checkbox"/> | E1213009005H | Inductor | Coil | Radio Frequency, Fixed | B3,B9,B14,B15,B17, B18,B37 | BEAD 90(100MHz) 100mA 4P 0504 SMD INPAQ | 7 | | 0.697367 |
| <input type="checkbox"/> | E1213101216H | Inductor | Coil | Radio Frequency, Fixed | B12 | BEAD 120(100MHz) 550mA 0402 SMD muRata | 1 | | 0.113437 |
| <input type="checkbox"/> | E1213101217H | Inductor | Coil | Radio Frequency, Fixed | B8,B10,B40,B45 | BEAD 120(100MHz) 5.0A 0805 SMD TAI-TECH | 4 | | 0.408910 |
| <input type="checkbox"/> | E1213103001H | Inductor | Coil | Radio Frequency, Fixed | B42 | BEAD 30(100MHz) 4.0A 0805 SMD muRata | 1 | | 0.113437 |

Parts Report



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|-----------------------------|----------------|---------------------------------|-------------------|
| Name | OFT-07W03 | Failure Rate | 25900.428117 |
| Description | Temperature:30 | Failure Rate, Percentage | 100.00 |
| Reference Designator | | MTBF | 38609.40 |
| Quantity | | Calculation Model | Telcordia Issue 4 |

| Tag | Part Number | Category | Subcategory | Type | Reference Designator | Description | Quantity | Failure Rate, Override | Failure Rate |
|--------------------------|--------------|---------------|----------------|------------------------|---|---|----------|------------------------|--------------|
| <input type="checkbox"/> | E1213103004H | Inductor | Coil | Radio Frequency, Fixed | B1,B2,B4,B5,B11,B13,B16,B19,B20,B21,B22,B27,B28,B29,B30,B31,B33,B34,B35,B36,B41,B43,B46,B47,B48,B49,B50 | BEAD 30(100MHz) 1.7A 0402 SMD CHILISIN | 27 | | 2.582983 |
| <input type="checkbox"/> | E1231301260H | Miscellaneous | Quartz Crystal | | Y5 | X'TAL 12.000MHz 10/20 4P(2520) SMD TXC | 1 | | 3.132758 |
| <input type="checkbox"/> | E123130256AH | Miscellaneous | Quartz Crystal | | Y6 | X'TAL-I 25.000MHz 18/10 4P(3225) SMD AGX | 1 | | 3.132758 |
| <input type="checkbox"/> | E1231319251H | Miscellaneous | Quartz Crystal | | Y2 | X'TAL-I 19.200MHz 18/20 4P(2520) SMD AGX | 1 | | 3.132758 |
| <input type="checkbox"/> | E1231332726H | Miscellaneous | Quartz Crystal | | Y3 | X'TAL-I 32.768KHz 12.5/20 2P(3215) SMD | 1 | | 3.132758 |
| <input type="checkbox"/> | E1300031640H | Semiconductor | Diode | General Purpose, Si | D9 | SWG BAS316 100V/250mA SOD-323 SMD | 1 | | 0.487065 |
| <input type="checkbox"/> | E1301005440H | Semiconductor | Diode | General Purpose, Si | D5 | SBD Nexperia BAT54C 30V/200mA SOT-23 SMD | 1 | | 0.487065 |
| <input type="checkbox"/> | E1301007040H | Semiconductor | Diode | General Purpose, Si | D6 | SBD BAS70-05 70V/70mA SOT-23 SMD | 1 | | 0.487065 |
| <input type="checkbox"/> | E1301034040H | Semiconductor | Diode | General Purpose, Si | D20 | SBR Diodes B340A-13-F 40V/3A SMA SMD(HF) | 1 | | 0.487065 |

Parts Report



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|-----------------------------|----------------|---------------------------------|-------------------|
| Name | OFT-07W03 | Failure Rate | 25900.428117 |
| Description | Temperature:30 | Failure Rate, Percentage | 100.00 |
| Reference Designator | | MTBF | 38609.40 |
| Quantity | | Calculation Model | Telcordia Issue 4 |

| Tag | Part Number | Category | Subcategory | Type | Reference Designator | Description | Quantity | Failure Rate, Override | Failure Rate |
|--------------------------|--------------|----------------|------------------------------|--------------------------|---|---|----------|------------------------|--------------|
| <input type="checkbox"/> | E1304000041H | Optical Device | Isolators, Single / Couplers | Phototransistor Detector | E1,E2,EBT1,EFW1 | LED RED 0603 SMD 54mcd LTST-C190KRKT | 4 | | 4.359385 |
| <input type="checkbox"/> | E1305055040H | Semiconductor | Diode | General Purpose, Si | D8,D12,D13 | TVS-4ch L05ESDL5V0NA-4 8K/15K SLP2510P8 | 3 | | 1.163236 |
| <input type="checkbox"/> | E1305422040H | Semiconductor | Diode | General Purpose, Si | D2,D4,D7,D10,D11, D17,D18 | TVS-4ch IP4220CZ6 8K/x SOT23-6 SMD | 7 | | 2.380868 |
| <input type="checkbox"/> | E1305509442H | Semiconductor | Diode | General Purpose, Si | D14 | TVS-Bi D5094-260C 26V/600W SMB SMD | 1 | | 0.487065 |
| <input type="checkbox"/> | E1311390610H | Semiconductor | Transistor | | Q6,Q13,Q49 | PNP ON MMBT3906LT1G - 40V/-0.2A SOT23 SMD | 3 | | 180.590976 |
| <input type="checkbox"/> | E1314532511H | Semiconductor | Transistor | | Q36 | LDO APL5325ABI-TRG 300mA/Adj SOT23-5 SMD | 1 | | 75.723730 |
| <input type="checkbox"/> | E1314713810H | Semiconductor | Transistor | | U21 | LDO GS7138S5-ADJ-R 150mA/Adj SOT23-5 SMD | 1 | | 75.723730 |
| <input type="checkbox"/> | E1315013811H | Semiconductor | Transistor | | Q5,Q8,Q12,Q14,Q15,Q16,Q19,Q22,Q23,Q28,Q43,Q44,Q45,Q46,Q50,Q52,Q53,Q54,Q55 | MOS-Nx2 Nexperia BSS138PS SOT-363 SMD | 19 | | 897.583149 |
| <input type="checkbox"/> | E1315013812H | Semiconductor | Transistor | | Q4,Q9,Q11,Q20,Q25,Q27,Q29,Q30,Q31,Q33,Q51,Q58,Q59,Q60,Q61 | MOS-N Force Mos MESS138W-G SOT-323 SMD | 15 | | 724.510301 |

Parts Report



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|-----------------------------|----------------|---------------------------------|-------------------|
| Name | OFT-07W03 | Failure Rate | 25900.428117 |
| Description | Temperature:30 | Failure Rate, Percentage | 100.00 |
| Reference Designator | | MTBF | 38609.40 |
| Quantity | | Calculation Model | Telcordia Issue 4 |

| Tag | Part Number | Category | Subcategory | Type | Reference Designator | Description | Quantity | Failure Rate, Override | Failure Rate |
|--------------------------|--------------|--------------------|---------------------|------|-------------------------|---|----------|------------------------|--------------|
| <input type="checkbox"/> | E1315090810H | Semiconductor | Transistor | | Q26 | MOS-N EMC EMD09N08H EDFN- 8(5x6) SMD 80V/ | 1 | | 75.723730 |
| <input type="checkbox"/> | E1315205210H | Semiconductor | Transistor | | Q2 | MOS-P APEC AP2P052N SOT-23 SMD -20V/ | 1 | | 75.723730 |
| <input type="checkbox"/> | E1315832110H | Semiconductor | Transistor | | Q57 | MOS-N ON FDMC8321L PQFN- 8(3.3x3.3) SMD | 1 | | 75.723730 |
| <input type="checkbox"/> | E1315832710H | Semiconductor | Transistor | | Q56 | MOS-N ON FDMC8327L PQFN- 8(3.3x3.3) SMD | 1 | | 75.723730 |
| <input type="checkbox"/> | E14S6225642H | Integrated Circuit | ROM, PROM, EPROM | | U3 | F-R Winbond W25Q64FWSSIG 64M SO-8 | 1 | | 1.068607 |
| <input type="checkbox"/> | E14S0801000H | Integrated Circuit | Digital | | U22 | EPSON RX8010SJ SO-8 SMD I2C RTC | 1 | | 1.146936 |
| <input type="checkbox"/> | E14S3019801H | Integrated Circuit | Digital | | U14 | Silergy Corp SYX198BQNC QFN- 10(3x3) SMD | 1 | | 1.146936 |
| <input type="checkbox"/> | E14S3219100H | Integrated Circuit | Digital | | U19,U24,U26,U27, U38 | Diodes AP2191WG- 7 SOT23-5 SMD 1.5A USB | 5 | | 4.599182 |
| <input type="checkbox"/> | E14S3233000H | Integrated Circuit | Digital | | U40 | Diodes AP2330W-7 SC-59 SMD 0.2A Current | 1 | | 1.146936 |
| <input type="checkbox"/> | E14S3299700H | Integrated Circuit | Digital | | U16 | GMT G2997BF61U MSOP-P-10 SMD 2A DDR | 1 | | 1.146936 |

Parts Report



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|-----------------------------|----------------|---------------------------------|-------------------|
| Name | OFT-07W03 | Failure Rate | 25900.428117 |
| Description | Temperature:30 | Failure Rate, Percentage | 100.00 |
| Reference Designator | | MTBF | 38609.40 |
| Quantity | | Calculation Model | Telcordia Issue 4 |

| Tag | Part Number | Category | Subcategory | Type | Reference Designator | Description | Quantity | Failure Rate, Override | Failure Rate |
|--------------------------|--------------|--------------------|-----------------|------|----------------------|---|----------|------------------------|--------------|
| <input type="checkbox"/> | E14S3321901H | Integrated Circuit | Digital | | U7 | TI TPS53219ARGTR QFN-16(3x3) SMD 28V | 1 | | 1.146936 |
| <input type="checkbox"/> | E14S3364200H | Integrated Circuit | Digital | | U17 | TI TS3DV642A0RUAR WQFN-42(3.5x9) SMD 12ch | 1 | | 1.146936 |
| <input type="checkbox"/> | E14S3506900H | Integrated Circuit | Digital | | U23 | TI LM5069MM-2/NOPB MSOP-10 SMD Hot Swap/ | 1 | | 1.146936 |
| <input type="checkbox"/> | E14S3520900H | Integrated Circuit | Digital | | U30 | EMC EM5209VF DFN-14(3x2) SMD 6A Dual | 1 | | 1.146936 |
| <input type="checkbox"/> | E14S3564500H | Integrated Circuit | Microcontroller | | U18 | RealTek ALC5645-CG QFN-48(6x6) SMD | 1 | | 16.689899 |
| <input type="checkbox"/> | E14S3727200H | Integrated Circuit | Digital | | U5 | Anpec APW7272QBI-TRG TDFN-10(3x3) SMD | 1 | | 1.146936 |
| <input type="checkbox"/> | E14S3903900H | Integrated Circuit | Digital | | U8 | TI SND9039A2CTRSKT VQFN-64(8x8) SMD PMIC | 1 | | 1.146936 |
| <input type="checkbox"/> | E14S4324304H | Integrated Circuit | Digital | | U34,U37 | ASIX ZT3243LEEY TSSOP-28 SMD LP 3 -5.5V | 2 | | 2.052388 |
| <input type="checkbox"/> | E14S4348700H | Integrated Circuit | Digital | | U31 | MAXIM MAX13487EESA+ SO-8 SMD RS485/RS422 | 1 | | 1.146936 |

Parts Report



| | | | |
|-----------------------------|----------------|---------------------------------|-------------------|
| Name | OFT-07W03 | Failure Rate | 25900.428117 |
| Description | Temperature:30 | Failure Rate, Percentage | 100.00 |
| Reference Designator | | MTBF | 38609.40 |
| Quantity | | Calculation Model | Telcordia Issue 4 |

| Tag | Part Number | Category | Subcategory | Type | Reference Designator | Description | Quantity | Failure Rate, Override | Failure Rate |
|--------------------------|--------------|--------------------|------------------|------|----------------------|---|----------|------------------------|--------------|
| <input type="checkbox"/> | E14S4565503H | Integrated Circuit | Digital | | U10 | NuvoTon NCT5655Y (Ver.B) QFN-24 (4x4) SMD | 1 | | 1.146936 |
| <input type="checkbox"/> | E14S4835000H | Integrated Circuit | Microprocessor | | U1 | Intel Atom x5-Z8350 1.44GHz 2M FCBGA592 | 1 | | 6.727815 |
| <input type="checkbox"/> | E14S4930601H | Integrated Circuit | Digital | | U20 | ON PCA9306USG VSSOP-8 SMD I2C-Bus/SMBus | 1 | | 1.146936 |
| <input type="checkbox"/> | E14S4951400H | Integrated Circuit | Microcontroller | | U44 | Microchip LAN9514 -JZX QFN-64(9x9) SMD | 1 | | 16.689899 |
| <input type="checkbox"/> | E14S5C10800H | Integrated Circuit | Digital | | U28,U29 | TI SN74AHC1G08DBV R SOT23-5 SMD (HF) | 2 | | 2.052388 |
| <input type="checkbox"/> | E14S5F00702H | Integrated Circuit | Digital | | U32,U35,U36,U41 | TI SN74LVC1G07DBVR SOT-23-5 SMD (HF) | 4 | | 3.765300 |
| <input type="checkbox"/> | E14S6108G54H | Integrated Circuit | RAM | | UR1,UR2,UR3,UR4 | DDR3L-1600 512Mx16 FBGA96 (9x13.5) ProMOS | 4 | | 35.231845 |
| <input type="checkbox"/> | E14S6200641H | Integrated Circuit | ROM, PROM, EPROM | | U12 | F-R Skhnyix H26M74002HMR 64G FBGA153 SMD | 1 | | 1.068607 |
| <input type="checkbox"/> | E14S6393661H | Integrated Circuit | ROM, PROM, EPROM | | U45 | ECP MCHP AT93C66B-SSHM-T 4Kbit SO-8 SMD | 1 | | 1.068607 |
| <input type="checkbox"/> | E14S9068200H | Integrated Circuit | Digital | | U11 | GMT G682L09TT12U 0.79V SOT23-5 SMD | 1 | | 1.146936 |

Parts Report



| | | | |
|-----------------------------|----------------|---------------------------------|-------------------|
| Name | OFT-07W03 | Failure Rate | 25900.428117 |
| Description | Temperature:30 | Failure Rate, Percentage | 100.00 |
| Reference Designator | | MTBF | 38609.40 |
| Quantity | | Calculation Model | Telcordia Issue 4 |

| Tag | Part Number | Category | Subcategory | Type | Reference Designator | Description | Quantity | Failure Rate, Override | Failure Rate |
|--------------------------|--------------|--------------------|------------------|------|----------------------|--|----------|------------------------|--------------|
| <input type="checkbox"/> | E14S9814000H | Integrated Circuit | Microcontroller | | U42 | ASIX AX78140 LF LQFP-64 SMD USB-4 UART | 1 | | 16.689899 |
| <input type="checkbox"/> | E14XSACPC00R | Integrated Circuit | ROM, PROM, EPROM | | U13 | ACP-CHT3 MCU FW 1.00 CS: H | 1 | | 1.068607 |
| <input type="checkbox"/> | E16134200KAR | Connection | IC Socket | | JBIO1 | PH 4Px2-P8 2.0 180D(M) BLK SMD HOMETOM | 1 | | 1.598488 |
| <input type="checkbox"/> | E1660210202H | Connection | IC Socket | | JBAT1 | Wafer 2P B-W 1.25 180D(M) NAT SMD CKM | 1 | | 1.598488 |
| <input type="checkbox"/> | E1662311201H | Connection | IC Socket | | JAMIC1 | Wafer 3P B-W 2.0 90D(M) NAT SMD CKM | 1 | | 1.598488 |
| <input type="checkbox"/> | E1672510210R | Connection | IC Socket | | JGPIO1 | W-B 10Px2 1.0mm 90D(M) NAT SMD ACES | 1 | | 1.598488 |
| <input type="checkbox"/> | E1672620202R | Connection | IC Socket | | JLCD1 | W-B 20Px2 1.25mm 180D(M) WHT SMD HOMETOM | 1 | | 1.598488 |
| <input type="checkbox"/> | E1694092100H | Connection | IC Socket | | JSD1 | Micro SD 9P 1.10 Push-Push SMD ATTEND | 1 | | 1.598488 |
| <input type="checkbox"/> | E1695081300H | Connection | IC Socket | | JUIM1 | Micro SIM 8P Hinge-Type BLK SMD ATTEND | 1 | | 1.598488 |
| <input type="checkbox"/> | E16BB671030H | Connection | IC Socket | | JM2#1 | M.2 67P 0.5 H8.5 90D STD G/F B-key SMD | 1 | | 1.598488 |

Parts Report



| | | | |
|-----------------------------|----------------|---------------------------------|-------------------|
| Name | OFT-07W03 | Failure Rate | 25900.428117 |
| Description | Temperature:30 | Failure Rate, Percentage | 100.00 |
| Reference Designator | | MTBF | 38609.40 |
| Quantity | | Calculation Model | Telcordia Issue 4 |

| Tag | Part Number | Category | Subcategory | Type | Reference Designator | Description | Quantity | Failure Rate, Override | Failure Rate |
|--------------------------|------------------|--------------------|---------------------|------|----------------------|---|----------|------------------------|--------------|
| <input type="checkbox"/> | E16D3510300H | Connection | IC Socket | | JUSBM1 | Micro USB-B 5P 90D(F) BLK SMD Contact | 1 | | 1.598488 |
| <input type="checkbox"/> | E16F1019033R | Connection | IC Socket | | JHDMI-1 | HDMI 19P 90D(F) STD BLK SMD Foxconn | 1 | | 1.598488 |
| <input type="checkbox"/> | E1907ACPC01RO-H1 | Connection | Printed Board, Edge | | | PCB ACP-CHT3 A01 6L BLU OSP [?][?][?] [?] | 1 | | 2.430011 |
| <input type="checkbox"/> | E175810301KR | Miscellaneous | Battery | | JBAT1 | Battery+Cable 3V/220mAh 2P/170mm KTS | 1 | | 99.107065 |
| <input type="checkbox"/> | E14S9617400R | Integrated Circuit | Microcontroller | | U43 | ENLI ENL-Q6174AM2LGA LGA -76(12x12.2) SMD | 1 | | 16.689899 |
| <input type="checkbox"/> | 7" LCD Panel | | | | | TBF37003BFL20N | 1 | 20000.000000 | 20000.000000 |
| <input type="checkbox"/> | ACC-ADP-060N-08R | | | | | FSP FSP060-DHAN3 12V/5A | 1 | 3333.333333 | 3333.333333 |
| <input type="checkbox"/> | Touch Board | | | | | EXC80H84 | 1 | 383.670000 | 383.670000 |