

| Part_Number | Quantity | Designator | Description | Manufacturer1 | Manufacturer_Part_Number |
|-------------|----------|-------------------------|--------------------------|----------------------|--------------------------|
| 100-00032 | 1 | 100-00032 | PCB, Gateway, HD | | |
| 510-00001 | 3 | C1, C46, C153 | Cap, Cer, 0.1uF, 50V, + | Murata Electronics | GRM155R61H104KE14 |
| 510-00107 | 17 | C3, C4, C51, C87, C155 | Cap, Cer, 10pF, 50V, + | Murata Electronics | GRM0335C1H100JA01 |
| 510-00063 | 14 | C15, C21, C33, C36, C4 | Cap, Cer, 0.1uF, 16V, + | Murata Electronics | GRM155R71C104KA88 |
| 510-00065 | 6 | C16, C20, C75, C77, C8 | Cap, Cer, 4.7uF, 6.3V, + | Murata Electronics | GRM155R60J475ME47 |
| 510-00051 | 5 | C28, C29, C30, C37, C3 | Cap, Cer, 4.7uF, 25V, + | Murata Electronics | GRM21BR61E475KA12 |
| 510-00022 | 15 | C31, C32, C34, C35, C4 | Cap, Cer, 10uF, 6.3V, + | Kemet | C0603C106M9PACTU |
| 510-00003 | 5 | C39, C141, C143, C144 | Cap, Cer, 1uF, 25V, +/- | Murata Electronics | GRM155R61E105MA12 |
| 510-00020 | 1 | C44 | Cap, Cer, 0.047uF, 25V | Murata Electronics | GRM155R71E473KA88 |
| 510-00014 | 1 | C45 | Cap, Cer, 4.7uF, 100V, | TDK Corp | C3225X7S2A475M200 |
| 510-00015 | 11 | C47, C48, C49, C50, C6 | Cap, Cer, 2.2uF, 16V, + | TDK Corp | C1005X5R1C225M050 |
| 510-00095 | 1 | C52 | Cap, Cer, 47uF, 10V, + | Murata Electronics | GRM31CR61A476ME1 |
| 510-00009 | 3 | C54, C152, C168 | Cap, Cer, 0.01uF, 50V, | Murata Electronics | GRM155R71H103KA88 |
| 510-00004 | 1 | C55 | Cap, Cer, 1uF, 50V, +/- | Samsung Electro-Mech | CL10A105KB8NNNC |
| 510-00086 | 1 | C56 | Cap, Electric Double La | Elna America | DSK-3R3H224U-HL |
| 510-00073 | 65 | C57, C66, C67, C68, C7 | Cap, Cer, 0.1uF, 10V, + | Murata Electronics | GRM033R61A104ME15 |
| 510-00005 | 4 | C58, C59, C86, C195 | Cap, Cer, 22pF, 50V, + | Murata Electronics | GRM1555C1H220JA01 |
| 510-00072 | 2 | C69, C70 | Cap, Cer, 27pF, 50V, + | Murata Electronics | GRM1555C1H270JA01 |
| 510-00117 | 2 | C71, C72 | Cap, Cer, 15pF, 50V, + | Yageo | CC0402JRNPO9BN150 |
| 510-00074 | 10 | C100, C101, C102, C11 | Cap, Cer, 1000pF, 50V, | Murata Electronics | GRM033R71H102KA12 |
| 510-00019 | 1 | C154 | Cap, Cer, 0.22uF, 16V, | Samsung Electro-Mech | CL05B224KO5NNNC |
| 510-00017 | 1 | C156 | Cap, Cer, 100pF, 50V, + | Murata Electronics | GRM1555C1H101JA01 |
| 510-00066 | 1 | C167 | Cap, Cer, 20pF, 50V, + | Murata Electronics | GRM1555C1H200JA01 |
| 510-00090 | 2 | C218, C219 | Cap, Alum, 100uF, +/-2 | United Chemi-Con (Ni | EMVE630ADA101MJA0 |
| 510-00108 | 2 | C233, C235 | Cap, Cer, 1.2pF, 50V, + | Murata Electronics | GRM1555C1H1R2BA01 |
| 510-00100 | 1 | C234 | Cap, Cer, 2.2pF, 50V, + | Murata Electronics | GRM1555C1H2R2BA01 |
| 630-00058 | 1 | D1 | Diode, TVS, 5.5V, SOT- | Diodes Inc | DRTR5V0U2SR-7 |
| 630-00039 | 2 | D2, D12 | Diode, TVS, 8.5V, SOT- | Littelfuse | SP0503BAHTG |
| 630-00038 | 1 | D4 | Diode, Schottky, 60V, 7 | Diodes Inc | PDS760Q-13 |
| 610-00001 | 3 | D9, D21, D23 | LED, Yellow/Clear, 590 | Lumex | SML-LX0402SYC-TR |
| 610-00003 | 9 | D10, D11, D14, D15, D | LED, Green/Clear, 574r | Lumex | SML-LX0402SUGC-TR |
| 630-00015 | 5 | D13, D25, D26, D27, D | Diode, Schottky, 30V, 2 | Micro Commercial Cor | BAT54WS-TP |
| 610-00012 | 2 | D20, D22 | LED, Orange/Clear, 610 | Lumex | SML-LX0402SOC-TR |
| 630-00068 | 1 | D30 | Diode, TVS, 78V, 400W | Littelfuse | SMAJ78CA |
| 630-00001 | 1 | D31 | Diode, Switching, 100n | Micro Commercial Cor | 1N4148WLP-TP |
| 320-00047 | 1 | J3 | Conn, Term Block HDR | Molex | 39512-1002 |
| 320-00046 | 1 | J7 | Conn, RJ45 Magjack, 1 | Würth Elektronik | 7498111120R |
| 320-00093 | 1 | J11 | Conn, RP-SMA Female | Linx Technologies | CONREVSMA003.062 |
| 150-00009 | 2 | J12, J13 | Screw, Terminal, Snap- | Keystone Electronics | 7774 |
| 560-00071 | 1 | L1 | Common Mode Choke | Bourns | SRF0905-202Y |
| 560-00027 | 4 | L5, L6, L7, L8 | Inductor, Fixed, 10uH, | TDK Corp | MLZ2012M100WT000 |
| 560-00012 | 3 | L10, L11, L12 | Inductor, Fixed, 2.2uH, | Coilcraft | LPS4018-222MRC |
| 560-00016 | 1 | L13 | Inductor, Fixed, 4.7uH, | Coilcraft | LPS4018-472MRC |
| 560-00007 | 6 | L14, L15, L18, L19, L24 | Ferrite Bead, 120 Ohm | Würth Elektronik | 7427927311 |
| 520-00012 | 5 | L20, R11, R163, R165, | Res, TkF, 0.0 Ohm Jum | Samsung Electro-Mech | RC1005J000CS |
| 560-00061 | 2 | L22, L23 | Inductor, Chip, 3.6nH, | Coilcraft | 0402HP-3N6XGEU |

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| 120-00013 | 3 | LP9, LP11, LP29 | Light Pipe, 3mm, RA, S | Bivar | SLP3-200-100-F |
| 630-00026 | 7 | Q1, Q9, Q10, Q11, Q12 | Mosfet, N-CH, 50V, 20 | ON Semiconductor | BSS138LT1G |
| 630-00040 | 6 | Q2, Q3, Q4, Q5, Q15, Q | Mosfet, N-CH, 50V, 0.2 | Rohm Semiconductor | RUC002N05T116 |
| 520-00011 | 26 | R5, R6, R7, R8, R9, R34 | Res, TkF, 100K Ohm, + | KOA Electronics | RK73H1ETTP1003F |
| 520-00002 | 23 | R12, R32, R38, R58, R5 | Res, TkF, 10K Ohm, +/- | KOA Electronics | RK73H1ETTP1002F |
| 560-00075 | 1 | R13 | Inductor, Fixed, 2.2nH, | Murata Electronics | LQP15MN2N2B02D |
| 520-00076 | 1 | R24 | Res, TkF, 316K Ohm, + | KOA Electronics | RK73H1ETTP3163F |
| 520-00167 | 3 | R26, R29, R31 | Res, TkF, 2.2 Ohm, +/- | KOA Electronics | RK73H1ETTP2R20F |
| 520-00157 | 2 | R27, R92 | Res, TkF, 1 Ohm, +/-1% | Samsung Electro-Mech | RC1005F1R0CS |
| 520-00158 | 2 | R28, R30 | Res, TkF, 6.8K Ohm, +/- | Rohm Semiconductor | MCR01MRTF6801 |
| 520-00183 | 1 | R35 | Res, TkF, 0.0 Ohm Jump | Rohm Semiconductor | MCR18ERTJ000 |
| 520-00117 | 1 | R37 | Res, TkF, 1.0 Ohm, +/- | KOA Electronics | RK73H1JTTD1R00F |
| 520-00140 | 2 | R39, R40 | Res, TkF, 1.5K Ohm, +/- | Rohm Semiconductor | MCR01MRTJ152 |
| 520-00023 | 6 | R42, R50, R54, R56, R5 | Res, TkF, 1K Ohm, +/-1% | KOA Electronics | RK73H1ETTP1001F |
| 520-00066 | 14 | R43, R79, R85, R86, R8 | Res, TkF, 47K Ohm, +/- | Rohm Semiconductor | MCR01MRTF4702 |
| 520-00104 | 1 | R45 | Res, TkF, 49.9K Ohm, + | Rohm Semiconductor | MCR01MRTF4992 |
| 520-00103 | 2 | R46, R91 | Res, TkF, 1.0M Ohm, + | Rohm Semiconductor | MCR01MRTF1004 |
| 520-00107 | 1 | R51 | Res, TkF, 60.4K Ohm, + | Rohm Semiconductor | MCR01MRTF6042 |
| 520-00195 | 1 | R52 | Res, TkF, 240K Ohm, + | Samsung Electro-Mech | RC1005F244CS |
| 520-00159 | 4 | R61, R90, R127, R139 | Res, TkF, 240 Ohm, +/- | Samsung Electro-Mech | RC1005F241CS |
| 520-00083 | 4 | R62, R143, R144, R155 | Res, TkF, 220 Ohm, +/- | KOA Electronics | RK73H1ETTP2200F |
| 520-00100 | 1 | R70 | Res, TnF, 6.49K Ohm, + | Panasonic Electronic C | ERA-2AEB6491X |
| 520-00010 | 2 | R73, R77 | Res, TkF, 1.0 Ohm, +/- | KOA Electronics | RK73B1ETTP1R0J |
| 520-00160 | 1 | R74 | Res, TkF, 23.2K Ohm, + | Samsung Electro-Mech | RC1005F2322CS |
| 520-00168 | 1 | R75 | Res, TkF, 5.62K Ohm, + | Rohm Semiconductor | MCR01MRTF5621 |
| 520-00068 | 2 | R83, R151 | Res, TkF, 100 Ohm, +/- | Rohm Semiconductor | MCR01MRTF1000 |
| 520-00161 | 1 | R97 | Res, TkF, 20K Ohm, +/- | Samsung Electro-Mech | RC1005F203CS |
| 520-00227 | 1 | R114 | Res, TkF, 147K Ohm, + | Stackpole Electronics I | RMCF0402FT147K |
| 520-00136 | 4 | R125, R126, R129, R13 | Res, TkF, 549 Ohm, +/- | Samsung Electro-Mech | RC1005F5490CS |
| 520-00139 | 1 | R128 | Res, TkF, 1.4K Ohm, +/- | Samsung Electro-Mech | RC1005F1401CS |
| 520-00141 | 4 | R131, R132, R133, R13 | Res, TkF, 649 Ohm, +/- | Samsung Electro-Mech | RC1005F6490CS |
| 520-00211 | 1 | R142 | Res, TkF, 324 Ohm, +/- | Stackpole Electronics I | RMCF0402FT324R |
| 520-00225 | 1 | R169 | Res, TkF, 43.2K Ohm, + | Samsung Electro-Mech | RC1005F4322CS |
| 110-00051 | 1 | SH1 | RF Shield Frame 0.650 | Laird Technology | BMI-S-202-F |
| 210-00005 | 1 | SN: | Label, Serial Number P | | |
| 420-00002 | 1 | SW4 | Switch, Tactile, SPST-N | Panasonic Electronic C | EVQ-P0N02B |
| 420-00021 | 1 | SW5 | Switch, Tactile, SPST-N | E-Switch | TL1105VF160Q |
| 420-00032 | 1 | SW7 | Switch, Tactile, SPST-N | E-Switch | TL1105MF160Q |
| 645-00020 | 1 | U1 | IC, Non-inverting Mult | Fairchild Semiconductor | NC7SZ157P6X |
| 660-00014 | 1 | U3 | IC, RF Transceiver, Mig | Silicon Labs | EFR32MG12P432F1024 |
| 670-00013 | 1 | U4 | IC, PMU, LDO, DC/DC | Active-Semi | ACT8865QI405-T |
| 670-00015 | 1 | U5 | IC, Step Down Switchin | Linear Technology | LT8620EUDD |
| 675-00005 | 1 | U6 | IC, Physical Layer Trans | Micrel | KSZ8081RN BIA TR |
| 655-00008 | 2 | U7, U15 | IC, DDR3L SDRAM, 2G | Alliance Memory | AS4C128M16D3LA-12 |
| 655-00014 | 1 | U8 | IC, eMMC Memory, 8G | SanDisk | SDINBDG4-8G-I1 |
| 660-00008 | 1 | U12 | IC, Microprocessor, Co | Atmel | ATSAMA5D27C-CU |
| 620-00004 | 1 | Y2 | Crystal, 25MHz, 20ppm | Abracon Corp | ABM3B-25.000MHZ-B |

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|-----------|---|----|--------------------------|--------------|---------------------|
| 620-00009 | 1 | Y3 | Crystal, 12MHz, 20ppm | Abracon Corp | ABM3-12.000MHZ-D2 |
| 620-00001 | 1 | Y4 | Crystal, 32.768kHz, 20pF | Abracon Corp | ABS07-32.768KHZ-T |
| 620-00010 | 1 | Y6 | Crystal, 38.4MHz, 10pF | Abracon Corp | ABM10-165-38.400MHZ |

| Footprint |
|--------------------------|
| BARE_PCB |
| CAPC1005X06L |
| Cap-0201L |
| CAPC1005X06L |
| CAPC1005X06L |
| CAPC2012X14L |
| CAPC1608X09L |
| CAPC1005X06L |
| CAPC1005X06L |
| CAPC3225X27L |
| CAPC1005X06L |
| CAPC3216X18L |
| CAPC1005X06L |
| CAPC1608X09L |
| CON_BATT2-DSK-SMT |
| CAP-0201L |
| CAPC1005X06L |
| CAPC1005X06L |
| CAPC1005X06L |
| CAP-0201L |
| CAPC1005X06L |
| CAPC1005X06L |
| CAPC1005X06L |
| CAPAE110103X105L |
| CAPC1005X06L |
| CAPC1005X06L |
| SOT-143 |
| SOT-143 |
| Diode-PowerDI15 |
| DIOC1005X06L-YELLOW |
| DIOC1005X06L-GRN |
| DIODE-SOD323 |
| DIOC1005X06L-ORANGE |
| DIODE-DO214AC |
| SOD-882 |
| Con_hdr2x1-3_81mm-th-ra |
| Con14-rj45-led2-shld-ra |
| Con_SMA_CONREVSMA003-062 |
| Con_term_screw4_4-40-ra |
| IND_Bourns_SRF0905-202Y |
| Ind-bead-0805 |
| IND-LPS4018 |
| IND-LPS4018 |
| INDC1005X06L |
| RESC1005X04L |
| INDC1005X06L |

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| Light_Pipe-SLP3-FF |
| SOT23-3 |
| SOT23-3 |
| RESC1005X04L |
| RESC1005X04L |
| INDC1005X06L |
| RESC1005X04L |
| RESC1005X04L |
| RESC1005X04L |
| RESC1005X04L |
| RESC3216X07L |
| RESC1608X06L |
| RESC1005X04L |
| RESC1005X04L |
| RESC1005X04L |
| RESC1005X04L |
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| RESC1005X04L |
| Shield-RF-1650x1650- |
| SERIAL_NUMBER |
| PCB-PAC-EVQ-PON02 |
| SW-Tact-TL1105VF160 |
| SW-Tact-TL1105MF160 |
| SC70-6L |
| BGA125C50P13X13_70 |
| QFN40P400X400X80_F |
| QFN50P300X500X75_F |
| QFN50P500X500X100_ |
| BGA96-0_80MM |
| BGA153-0_50MM |
| BGA289C80P17X17_14 |
| CRY4-4X2_4MM-1_1 |

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| CRY2_AB3 |
| PCB-ABRA-ABS07 |
| CRY4-ABM10 |