

| Item Reference | Description | Qty | Designator | Uninstalled Designator, Notes | MFG | MFGPN |
|-----------------|--|-----|-------------------------------------|-------------------------------|-------------------------|------------------------|
| LTC5800IWR-IPRA | ETERNA SMARTMESH IP MANAGER-ON-CHIP, QFN72 | 0 | U1 | INSTALL FOR DC9003A-A | Linear Technology | LTC5800IWR-IPRA |
| LTC5800IWR-IPMA | ETERNA SMARTMESH IP MOTE-ON-CHIP, QFN72 | 1 | U1 | INSTALL FOR DC9003A-B | Linear Technology | LTC5800IWR-IPMA |
| LTC5800IWR-WHMA | ETERNA SMARTMESH WIRELESSHART MOTE-ON-CHIP, QFN72 | 0 | U1 | INSTALL FOR DC9003A-C | Linear Technology | LTC5800IWR-WHMA |
| 921-0017 | BATTERY HOLDER, COIN CELL, 2032, THROUGH HOLE | 1 | BTH2 | | Renata | HU2032-LF |
| 921-0016 | BATTERY HOLDER, COIN CELL, 2477, THROUGH HOLE | 0 | | NO STUFF BTH1 | Renata | HU2477N-LF |
| 440-0045 | RF SHIELD, RUSSIAN | 1 | SH1 | | Fotofab | Dust Networks 440-0045 |
| 430-0045 | SWITCH, TACTILE, SPST-NO, 0.05A, 12V, 2.5MM, BLACK | 1 | PB1 | | C&K Components | PTS635SL25SMTR LFS |
| 430-0041 | SWITCH, SLIDE, DPDT, RT ANG, L=2MM | 1 | SW1 | | C&K Components | JS202011AQN |
| 350-0030 | ANTENNA, 2.4 GHz, 1dbi, SMD | 1 | ANT1 | | Fractus | FR05-S1-N-0-102 |
| 340-0181 | CRYSTAL, 20.000MHZ, 10PF, +/-10PPM, +/-30PPM STAB, CONTROLLED T CURVE, 7.6X4.1X2.3MM, CSM-3X, SMT | 1 | X3 | | ECS Inc. | ECS-200-CDX-0914 |
| 340-0180 | CRYSTAL, 20.000MHZ, 10PF, +/-10PPM, +/-30PPM STAB, CONTROLLED T CURVE, 13.2X4.8X4.3MM, CSM-7X, SMT | 0 | | NO STUFF X5 | ECS Inc. | ECS-200-CDX-0912 |
| 340-0067 | CRYSTAL, 20.0000MHZ, 5x3.2mm SMD | 0 | | NO STUFF X4 | N/A | |
| 340-0066 | CRYSTAL, 32.768kHz, 3.2x1.5mm SMD | 0 | | NO STUFF X1 | ECS Inc. | ECS-327-12.5-34B-TR |
| 340-0064 | CRYSTAL, 32.768kHz, 8x3.8mm SMD | 1 | X2 | | ECS Inc. | ECS-327-12.5-17X-TR |
| 280-0312 | IC 20V 390mA N-Channel Enhancement Mode MOSFET SC70 | 4 | Q2,Q3,Q4,Q5 | | Diodes Inc. | DMN2004WK-7 |
| 280-0307 | IC 6V TVS ARRAY ESD 1CH SC70-3 | 2 | D3,D4 | | Littelfuse | SP1002-01JTG |
| 280-0305 | IC P-Channel MOSFET SOT23 | 1 | Q1 | | Fairchild | FDN302P |
| 280-0296 | IC, SPDT Analog switch, 1.1 to 4.5V, SC70-6 | 1 | U2 | | Intersil | ISL43L210IHZ-T |
| 270-0047 | LED BLUE HIGH BRIGHT USS 0603 | 2 | D7,D10 | | Panasonic | LNJ926W8CRA |
| 270-0046 | LED Green 6mcd 0603 | 4 | D5,D6,D8,D9 | | LiteON | LTST-C190GKT |
| 250-0406 | CONN, HEADER 2x16, .100IN, SHROUD, RA, P26 KEYED, .390IN TAILS, 10U/3U GOLD, TSSH SERIES | 1 | P1 | | Samtec | ASP-168075-05 |
| 250-0399 | TERMINAL BLOCK, 3.5MM, 2POS, PCB | 0 | | NO STUFF J2,J3,J4 | On Shore Technology Inc | OSTTE020104 |
| 250-0398 | CONN, SCKT, BLKHD, BNC, ELBOW, 50 OHM | 0 | | NO STUFF J1 | TE Connectivity | 5-1634556-0 |
| 250-0397 | CONN, HEADER, 2POS, 2MM, 1 ROW, STR, 30AU, SMT | 4 | JP1,JP2,JP3,JP4 | | Hirose | A3C-2P-2DSA |
| 250-0390 | CONN, HEADER 2x7, .100IN, SHROUD, VERT, .390IN TAILS, 10U/3U GOLD, TSSH SERIES | 1 | P3 | | Samtec | ASP-168075-04 |
| 250-0389 | CONN, HEADER 2x12, .100IN, SHROUD, VERT, .390IN TAILS, 10U/3U GOLD, TSSH SERIES | 1 | P2 | | Samtec | ASP-168075-01 |
| 210-0038 | Diode, 85V 125mA Dual Series Low Leakage Diode SOT523 | 1 | D1 | | Diodes Inc. | BAV199T-7-F |
| 210-0003 | DIODE, SCHOTTKY, DUAL, COMMON CATHODE, 30V, 200MA, SOT-23 | 1 | D2 | | Fairchild | BAT54C |
| 200-0098 | INDUCTOR, 2.2UH, 120MA, 0603 | 1 | L1 | | Murata | LQM18FN2R2M00D |
| 150-2093 | CAP, 0.47UF, 10V, +/-10%, 0603, X7R | 1 | C4 | | TDK | C1608X7R1A474K |
| 150-2083 | CAP 2.2uF A±10% 10V X7R 0603 Ceramic Chip Capacitor | 2 | C9,C24 | | Murata | GRM188R71A225KE15D |
| 150-2081 | CAP, CER, .1UF, 16V, A±10%, X7R, 0402 | 2 | C10,C17 | | Murata | GRM155R71C104KA88D |
| 150-2076 | CAP, 100pF, 25V, 10%, COG, 0201 | 1 | C3 | NO STUFF C1,C2 | Murata | GRM0335C1E101JD01D |
| 150-0171 | CAP, 0.22uF, 6.3V, 10%, X7R, 0402 | 1 | C14 | | Murata | GRM155R71C224KA12D |
| 150-0170 | Cap, 56nF, 6.3V, +/-10%, 0402 SMD | 10 | C5,C6,C7,C8,C11,C12,C13,C15,C16,C18 | | Kemet | C0402C563K9RACTU |
| 150-0169 | Cap, 100uF, 6.3V, +/- 20%, 1210SMD | 2 | C19,C20 | | AVX Corporation | 12106D107MAT2A |
| 150-0131 | CAP, .1UF, 6.3V, A±10%, X5R, 0201 | 3 | C21,C22,C23 | | Murata | GRM033R60J104KE19D |
| 100-2350 | RES, 1.0M OHM, 1/20W, 5%, 0201, SMD | 1 | R4 | | Panasonic | ERJ-1GEJ105C |
| 100-2339 | RES, 10K, .05W, 5%, 0201 | 2 | R3,R5 | | Panasonic | ERJ-1GEJ103C |
| 100-0331 | RES 300 ohm 5% 1/16W 0402 | 3 | R6,R7,R8 | | Rohm | MCR01MZPJ301 |
| 100-0186 | RES 49.9 OHM 1/20W 1% 0201 SMD | 0 | | NO STUFF R1 | Rohm | MCR006YZPF49R9 |
| 100-0009 | RES, 0, 1/16W, 5%, 0603 | 1 | R2 | | Yageo | RC0603JR-070RL |

Add On Parts

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|----------------|--|-----|-----------------|-------------------------------|--------------|--------------------|
| 250-0385 | CONN, JUMPER, SHORTING, 2MM, GOLD BLUE | 4 | JP1,JP2,JP3,JP4 | | Harwin | M22-1910046 |
| 760-0053 | SCREW, MACH, PHIL, 4-40, 250 IN, NYLON | 4 | MOUNTING HOLES | | B&F FASTENER | NY PMS 440 0025 PH |
| 763-0002 | STANDOFF, HEX .625"L, 4-40, THR NYL | 4 | MOUNTING HOLES | | Keystone | 1902F |
| 920-0008 | CR2032 | 1 | BTH2 | | Sony | CSO-CR2032 |
| 920-0038 | BATT, LITHIUM, COIN, STD, 3V, 24.5MM | 0 | | NO STUFF BTH1 | Panasonic | CR2477 |