

| Item | Qty | Reference | Part Description | Manufacturer / Part # | Kit Qty |
|------|-----|-----------------------------|---|-----------------------------------|------------|
| | | | | NUMBER OF BOARDS = | 220 |
| 1 | 1 | CGD1 | CAP., 0.047uF, X7R, 100V, 20%, 0805 | TDK, C2012X7R2A473M125AA | 220 |
| 2 | 4 | CT1,CT2,CT3,CT4 | CAP, 0.01uF, X7R, 200V, 10%, 0805 | MURATA, GRM21BR72D103KW03L | 880 |
| 3 | 2 | C1,C2 | CAP, 1000pF, X7R, 2KV, 10%, 1808 | MURATA, GR442QR73D102KW01L | 440 |
| 4 | 1 | C3 | CAP, 2200pF, X7R, 2KV, 10%, 1812 | MURATA, GR443QR73D222KW01L | 220 |
| 5 | 1 | C4 | CAP, 1uF, X7R, 100V, 10%, 1206 | MURATA, GRM31CR72A105KA01L | 220 |
| 6 | 1 | C5 | CAP., ELECT., 470uF 100V, CAP-PANA-NHG-16X25 | PANASONIC, ECA2AHG471 | 220 |
| 7 | 2 | C6,C7 | CAP., 0.22uF, X7R, 100V, 10%, 0805 | MURATA, GRM21AR72A224KAC5L | 440 |
| 8 | 1 | D1 | DIODE, TVS, 400W, 70V, SMA-DIODE | DIODES INC., SMAJ70A-13-F | 220 |
| 9 | 1 | D2 | DIODE, TVS, 600W, 70V, SMB-DIODE | DIODES INC., SMBJ70A-13-F | 220 |
| 10 | 1 | D3 | DIODE, RECTIFIER, LOW LEAKAGE, SMA-DIODE | FAIRCHILD SEMI., S1B | 220 |
| 11 | 6 | E1-E6 | TEST POINT, TURRET, 0.094", MTG. HOLE | MILL-MAX, 2501-2-00-80-00-00-07-0 | 1320 |
| 12 | 3 | JP1,JP2,JP3 | CONN., HEADER, MALE, 1X3, 2mm, THT | Würth Elektronik, 62000311121 | 660 |
| 13 | 2 | J1,J2 | CONN, RJ45, RJ45-WE-615008142621 | WURTH, 615008142621 | 440 |
| 14 | 2 | J3,J4 | CONN, JACK, BANANA | KEYSTONE, 575-4 | 440 |
| 15 | 1 | LED1 | LED, YELLOW, LED-ROHM-SML-01 | ROHM, SML-012Y8TT86 | 220 |
| 16 | 1 | LED2 | LED, GREEN, LED-ROHM-SML-01 | ROHM, SML-012P8TT86 | 220 |
| 17 | 1 | Q1 | MOSFET, N-CH, 100V 4.8mOHM, D2PAK | NXP, PSMN4R8-100BSE | 220 |
| 18 | 1 | RGD1 | RES., 402 OHMS, 1%, 1/10W, 0603 | VISHAY, CRCW0603402RFKEA | 220 |
| 19 | 1 | RG1 | RES., 200 OHMS, 1%, 1/10W, 0603 | VISHAY, CRCW0603200RFKEA | 220 |
| 20 | 1 | RPM1 | RES., 13.0k OHMS, 1%, 1/10W, 0603 | VISHAY, CRCW060313K0FKEA | 220 |
| 21 | 1 | RS1 | RES., SENSE, 0.1 OHMS, 1%, 2W, 2512 | STACKPOLE ELECT., CSRN2512FTR100 | 220 |
| 22 | 8 | RX1-RX4,RT1-RT4 | RES., 75 OHMS, 5%, 1/10W, 0603 | VISHAY, CRCW060375R0JNEA | 1760 |
| 23 | 2 | R1,R2 | RES., 0 OHM, 1/10W, 0603 | VISHAY, CRCW06030000Z0EA | 440 |
| 24 | 2 | R3,R4 | RES., 12k OHMS, 5%, 1/2W, 1206 | VISHAY, CRCW120612K0JNEAHP | 440 |
| 25 | 1 | R5 | RES., 100k OHMS, 5%, 1/10W, 0603 | VISHAY, CRCW0603100KJNEA | 220 |
| 26 | 3 | R6,R7,R8 | RES., 100 OHMS, 5%, 1/10W, 0603 | VISHAY, CRCW0603100RJNEA | 660 |
| 27 | 1 | R10 | RES., 10 OHMS, 5%, 1/10W, 0805 | VISHAY, CRCW080510R0JNEA | 220 |
| 28 | 4 | R11-R14 | RES., 0 OHM, 1/4W, 1206 | VISHAY, CRCW12060000ZSTA | 880 |
| 29 | 1 | SW1 | SWITCH, LIGHT TOUCH, SW-WE-434123050816 | WURTH, 434123050816 | 220 |
| 30 | 1 | T1 | XFMR, 140 POE ETHERNET MAGNETICS, TRANS-WE-7490220123 | WURTH, 7490220123 | 220 |
| 31 | 1 | U1 | IC, QFN20UFD-4X5 | LINEAR TECH., LTC4279IUFD#PBF | 220 |
| 32 | 3 | SHUNTS FOR JP1-JP3 PINS 1&2 | SHUNT, 2mm | WURTH ELEKTRONIK, 60800213421 | 660 |
| 33 | 4 | MH1-MH4 | STAND-OFF, NYLON, 0.5" | Würth Elektronik, 702935000 | 880 |
| 34 | 2 | STENCILS FOR BOTH SIDES | | STENCIL, DC2579A-2 | 2 |