

| Item | Qty | Reference           | Part Description                          | Manufacturer / Part #             | Kit Qty    |
|------|-----|---------------------|---|-----------------------------------|------------|
|      |     |                     |   | <b>NUMBER OF BOARDS =</b>         | <b>520</b> |
| 1    | 4   | CT1,CT2,CT3,CT4     | CAP, 0.01uF, X7R, 200V, 10%, 0805         | MURATA, GRM21BR72D103KW03L        | 2080       |
| 2    | 2   | C1,C2               | CAP, 1000pF, X7R, 2KV, 10%, 1808          | MURATA, GR442QR73D102KW01L        | 1040       |
| 3    | 1   | C3                  | CAP, 2200pF, X7R, 2KV, 10%, 1812          | MURATA, GR443QR73D222KW01L        | 520        |
| 4    | 1   | C4                  | CAP, 1uF, X7R, 100V, 10%, 1206            | MURATA, GRM31CR72A105KA01L        | 520        |
| 5    | 1   | C5                  | CAP., ELECT., 22uF 100V, C-CE-KX-8X10.2   | SUN ELECT., 100CE22KX             | 520        |
| 6    | 2   | C6,C7               | CAP., 0.22uF, X7R, 100V, 10%, 0805        | MURATA, GRM21AR72A224KAC5L        | 1040       |
| 7    | 1   | D1                  | DIODE, TVS, 400W, 58V, SMA-DIODE          | DIODES INC., SMAJ58A-13-F         | 520        |
| 8    | 1   | D2                  | DIODE, TVS, 600W, 58V, SMB-DIODE          | DIODES INC., SMBJ58A-13-F         | 520        |
| 9    | 1   | D3                  | DIODE, RECTIFIER, LOW LEAKAGE, SMA-DIODE  | FAIRCHILD SEMI., S1B              | 520        |
| 10   | 6   | E1-E6               | TEST POINT, TURRET, 0.094", MTG. HOLE     | MILL-MAX, 2501-2-00-80-00-00-07-0 | 3120       |
| 11   | 1   | F1                  | FUSE, FAST-ACTING, 3A, 1206               | BEL FUSE INC., C1Q3A              | 520        |
| 12   | 5   | JP1,JP2,JP3,JP4,JP5 | CONN., HEADER, MALE, 1X3, 2mm, THT        | WURTH ELEKTRONIK, 62000311121     | 2600       |
| 13   | 1   | JP6                 | HEADER, 12 PIN 2MM SMT                    | SAMTEC, TMM-106-02-L-D            | 520        |
| 14   | 2   | J1,J2               | CONN, RJ45, RJ45-WE-615008142621          | WURTH ELEKTRONIK, 615008142621    | 1040       |
| 15   | 2   | J3,J4               | CONN, JACK, BANANA                        | KEYSTONE, 575-4                   | 1040       |
| 16   | 1   | LED1                | LED, YELLOW, LED-ROHM-SML-01              | ROHM, SML-012Y8TT86               | 520        |
| 17   | 1   | LED2                | LED, GREEN, LED-ROHM-SML-01               | ROHM, SML-012P8TT86               | 520        |
| 18   | 1   | Q1                  | MOSFET, N-CH, 100V 36.6mOHM, LFPAK33-8PIN | NXP, PSMN040-100MSE               | 520        |
| 19   | 1   | RG1                 | RES., 200 OHMS, 5%, 1/10W, 0603           | VISHAY, CRCW0603200RJNEA          | 520        |
| 20   | 1   | RM1                 | RES., 3.09k OHMS, 1%, 1/10W, 0603         | VISHAY, CRCW06033K09FKEA          | 520        |
| 21   | 1   | RM2                 | RES., 4.99k OHMS, 1%, 1/10W, 0603         | VISHAY, CRCW06034K99FKEA          | 520        |
| 22   | 1   | RM3                 | RES., 8.66k OHMS, 1%, 1/10W, 0603         | VISHAY, CRCW06038K66FKEA          | 520        |
| 23   | 1   | RM4                 | RES., 14.3k OHMS, 1%, 1/10W, 0603         | VISHAY, CRCW060314K3FKEA          | 520        |
| 24   | 1   | RM5                 | RES., 36.5k OHMS, 1%, 1/10W, 0603         | VISHAY, CRCW060336K5FKEA          | 520        |
| 25   | 1   | RM6                 | RES., 10.0k OHMS, 1%, 1/10W, 0603         | VISHAY, CRCW060310K0FKEA          | 520        |
| 26   | 1   | RS1                 | RES., SENSE, 0.1 OHMS, 1%, 1W, 1206       | PANASONIC, ERJ8BWFR100V           | 520        |
| 27   | 8   | RX1-RX4,RT1-RT4     | RES., 75 OHMS, 5%, 1/10W, 0603            | VISHAY, CRCW060375R0JNEA          | 4160       |
| 28   | 2   | R1,R2               | RES., 0 OHM, 1/10W, 0603                  | VISHAY, CRCW06030000Z0EA          | 1040       |
| 29   | 2   | R3,R4               | RES., 12k OHMS, 5%, 1/2W, 1206            | VISHAY, CRCW120612K0JNEAHP        | 1040       |
| 30   | 1   | R5                  | RES., 100k OHMS, 5%, 1/10W, 0603          | VISHAY, CRCW0603100KJNEA          | 520        |
| 31   | 3   | R6,R7,R8            | RES., 100 OHMS, 5%, 1/10W, 0603           | VISHAY, CRCW0603100RJNEA          | 1560       |
| 32   | 1   | R10                 | RES., 10 OHMS, 5%, 1/10W, 0805            | VISHAY, CRCW080510R0JNEA          | 520        |
| 33   | 1   | SW1                 | SWITCH, LIGHT TOUCH, SW-WE-434123050816   | WURTH ELEKTRONIK, 434123050816    | 520        |

| <i>Item</i> | <i>Qty</i> | <i>Reference</i>               | <i>Part Description</i>                                  | <i>Manufacturer / Part #</i>                               | <i>Kit Qty</i> |
|-------------|------------|--------------------------------|--|--|----------------|
|             |            |                                |  |  |                |
|             |            |                                |  | <b>NUMBER OF BOARDS =</b>                                  | <b>520</b>     |
| 34          | 1          | T1                             | XFMR, POE PLUS ETHERNET MAGNETICS,<br>TRANS-WE-749022016 | WURTH ELEKTRONIK, 749022016<br>COILCRAFT, ETH1-230LD (ALT) | 520            |
| 35          | 1          | U1                             | IC, QFN20UFD-4X5   | LINEAR TECH., LTC4279IUFD#PBF                              | 520            |
| 36          | 6          | SHUNTS FOR JP1-JP6 PINS 1&2    | SHUNT, 2mm   | <b>WURTH ELEKTRONIK, 60800213421</b>                       | 3120           |
| 37          | 4          | MH1-MH4                        | STAND-OFF, NYLON, 0.5"                                   | <b>WURTH ELEKTRONIK, 702935000</b>                         | 2080           |
| <b>38</b>   | <b>2</b>   | <b>STENCILS FOR BOTH SIDES</b> |  | <b>STENCIL, DC2541A-2</b>                                  | <b>2</b>       |