

| Item | Qty | Reference | Part Description | Manufacturer / Part # | Kit Qty |
|------|-----|-----------------|--|--|------------|
| | | | | NUMBER OF BOARDS = | 325 |
| 1 | 2 | CG1,CG2 | CAP., 1000pF, X7R, 2000V, 10% 1808 | TDK, C4520X7R3D102K130KA | 650 |
| 2 | 4 | CT1,CT2,CT3,CT4 | CAP, 0.01uF, X7R, 200V, 10%, 0805 | AVX, 08052C103KAZ2A | 1300 |
| 3 | 2 | C1,C5 | CAP., 0.047uF, X7S, 100V, 10%, 0603 | TDK, C1608X7S2A473K080AB | 650 |
| 4 | 0 | C2 | CAP., OPTION, 0402 | OPT | 0 |
| 5 | 1 | C3 | CAP., 0.047uF, X7R, 100V, 10%, 0805 | AVX, 08051C473KAT2A | 325 |
| 6 | 1 | C4 | CAP., ALUM. ELECT., 22uF, 100V, 20% | SUN ELECTRONIC INDUSTRIES CORPORATION, 100CE22BS | 325 |
| 7 | 1 | D1 | DIODE, TVS, 58V, 600W, SOD128 | NEXPERIA, PTVS58VP1UTP | 325 |
| 8 | 1 | D2 | DIODE, SCHOTTKY, 100V, 3A, SOD128 | NEXPERIA, PMEG10030ELPX | 325 |
| 9 | 1 | D3 | LED, GREEN, WATER-CLEAR | Würth Elektronik, 150080GS75000 | 325 |
| 10 | 1 | D4 | DIODE, 12V, 200mW, SOD-323 | DIODES INC, MMSZ5242BS-7-F | 325 |
| 11 | 7 | E1-E7 | TEST POINT, TURRET, 0.094" MTG. HOLE | MILL-MAX 2501-2-00-80-00-00-07-0 | 2275 |
| 12 | 18 | JP1-JP18 | CONN., HEADER, 1X2, 2mm | SULLINS, NRPN021PAEN-RC | 5850 |
| 13 | 2 | J1,J2 | CONN., MOD. JACK, FEMALE, 2.54mm, 8 TERMINAL, 1 PORT, R/A Thu-Hole | STEWART CONNECTOR, SS-7188S-A-NF | 650 |
| 14 | 2 | Q1,Q11 | XSTR., MOSFET, N-CH, 100V, 36.6mΩ, 30A, 91W, LFPK33 | NXP, PSMN040-100MSE | 650 |
| 15 | 8 | Q3-Q10 | XSTR., MOSFET, N-CH, 100V, 71mΩ, 18A, 65W, LFPK33 | NXP, PSMN075-100MSE | 2600 |
| 16 | 2 | RC1,RC6 | RES., 1.00K OHMS, 1/8W, 1%, 0805 | VISHAY, CRCW08051K00FKEA | 650 |
| 17 | 2 | RC2,RC8 | RES., 140 OHMS, 1/8W, 1%, 0805 | VISHAY, CRCW0805140RFKEA | 650 |
| 18 | 2 | RC3,RC10 | RES., 76.8 OHMS, 1/8W, 1%, 0805 | VISHAY, CRCW080576R8FKEA | 650 |
| 19 | 2 | RC4,RC12 | RES., 49.9 OHMS, 1/8W, 1%, 0805 | VISHAY, CRCW080549R9FKEA | 650 |
| 20 | 1 | RC5 | RES., 34.8 OHMS, 1/8W, 1%, 0805 | VISHAY, CRCW080534R8FKEA | 325 |
| 21 | 1 | RC7 | RES., 37.4 OHMS, 1/8W, 1%, 0805 | VISHAY, CRCW080537R4FKEA | 325 |
| 22 | 1 | RC9 | RES., 46.4 OHMS, 1/8W, 1%, 0805 | VISHAY, CRCW080546R4FKEA | 325 |
| 23 | 1 | RC11 | RES., 64.9 OHMS, 1/8W, 1%, 0805 | VISHAY, CRCW080564R9FKEA | 325 |
| 24 | 1 | RC13 | RES., 118 OHMS, 1/8W, 1%, 0805 | VISHAY, CRCW0805118RFKEA | 325 |
| 25 | 1 | RMPS | RES., 3.0k OHMS, 5%, 1W, 2512 | VISHAY, CRCW25123K00JNEG | 325 |
| 26 | 8 | RT1-RT8 | RES., 75 OHMS, 1/10W, 5%, 0603 | VISHAY, CRCW060375R0JNEA | 2600 |
| 27 | 1 | R9 | RES., 174k OHMS, 1%, 1/10W, 0603 | VISHAY, CRCW0603174KFKEA | 325 |
| 28 | 1 | R10 | RES., 52.3k OHMS, 1%, 1/10W, 0603 | VISHAY, CRCW060352K3FKEA | 325 |
| 29 | 2 | R11,R18 | RES., 0 OHM, 1/10W, 0603 | VISHAY, CRCW06030000Z0EA | 650 |
| 30 | 1 | R12 | RES., 8.2 OHMS, 1/8W, 1%, 0805 | VISHAY, CRCW08058R20FKEA | 325 |
| 31 | 1 | R13 | RES., 3.3k , 1/10W, 5%, 0603 | VISHAY, CRCW06033K30JNEA | 325 |
| 32 | 2 | R14,R15 | RES., 100k, 1/10W, 5%, 0603 | VISHAY, CRCW0603100KJNEA | 650 |
| 33 | 0 | R16,R17 | RES., OPTION, 0805 | OPT | 0 |

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| 34 | 1 | R19 | RES., 30k, 1/10W, 5%, 0603 | VISHAY, CRCW060330K0JNEA | 325 |
| 35 | 1 | T1 | XFMR., 350uH, 1:1 ±2% | WURTH ELEKTRONIK, 749022016 | 325 |
| 36 | 1 | U1 | I.C., LTPoE++/802.3bt PD CONTROLLER, DFN10, 3mm x 3mm | LINEAR TECH., LT4293IDD | 325 |
| 37 | 1 | U2 | I.C., PoE Ideal Diode Bridge Controller, QFN16-UF, 4mm x 4mm | ANALOG DEVICES., LT4321IUF | 325 |
| 38 | 2 | SHUNTS ON JP1 AND JP2 | SHUNT, 2mm | Würth Elektronik, 60800213421 | 650 |
| 39 | 2 | | STENCILS, (TOP & BOTTOM) | STENCIL DC2911A-1 | 2 |