





| Comment | Description | Designator | Footprint | LibRef | Quantity |
|------------------------|---|---|---------------------------|---------------------------------|----------|
| 0.1μF | CAP CER 0.1UF 50V | C1, C2, C3, C4, C5, C6, | CAPC2012X140N | CAP_0.1uF_50V_0805 | 10 |
| URS1A103MHD1TN | X7R 0805 CAP ALUM 10000UF 20% 10V RADIAL | C7, C8, C24, C31 C9 | CAP_UBY_18X25_NC | URS1A103MHD1TN | 1 |
| 4.7μF | CAP CER 4.7UF 100V X7R 2220 | C10, C11, C12, C13, C14, C15, C16, C17 | CAPC5750X7R2A | CAP_4.7uF_100V_222 | 8 |
| 10uF | CAP CER 10UF 50V X5R 1206 | C18, C19 | CAPC1206(3216) | CAP_10uF_50V_1206 | 2 |
| 4.7μF | CAP CER 4.7UF 50V X7R 1206 | C20, C21, C22, C23 | CAPC1206(3216) | CAP_4.7μF_50V_1206 | 4 |
| GRM21BR71H224MA 01L | CAP CER 0.22UF 50V X7R 0805 | C25 | CAP 0805_2012 | GRM21BR71H224MA 01L | 1 |
| 47μF | CAP ALUM POLY 47UF 20% 25V SMD | C26, C27 | 25SVPF47M | 25SVPF47M | 2 |
| 470pF | CAP CER 470PF 50V X7R 0805 | C28 | CAP 0805_2012 | CAP_470pF_50V_080 5 | 1 |
| GRM31CR71H475KA1 2L | CAP CER 4.7UF 50V X7R 1206 | C29 | CAPC1206(3216) | GRM31CR71H475KA1 2L | 1 |
| 8200pF | CAP CER 8200PF 50V X7R 0805 | C30 | CAP 0805_2012 | CAP_8200pF_50V_08 05 | 1 |
| SMAJ22A-E3/61 | TVS DIODE 22V 35.5VC SMA | D1 | DO-214AC_UNI | SMAJ22A-E3/61 | 1 |
| DIO_ZENER_27V | DIODE ZENER 27V 250MW SOT23 | D2 | SOT23-3 | DIO_ZENER_27V | 1 |
| LG R971-KN-1 | LED GREEN DIFFUSED 0805 SMD | D3, D4, D7 | LED_0805_LINE | DIO_LED_G | 3 |
| LS R976-NR-1 | LED RED DIFFUSED 0805 SMD | D5 | LED_0805_LINE | DIO_LED_R | 1 |
| B540C-13-F | DIODE SCHOTTKY 40V 5A SMC | D6 | DO214AB SMC | B540C-13-F | 1 |
| 0324015.HXP | FUSE CERM 15A 250VAC 125VDC 3AB | F1 | FUSE | 0324015.HXP | 1 |
| 1935161 | TERM BLK 2POS SIDE ENTRY 5MM | J1, J2, J3, J4, J5, J6, J7, J8, J9 | 1935161 | CON_2M_TERM | 9 |
| 744309033 | IND 330NH 47.5A 0.165 MOHM | L1, L2 | WE-HCM 1390 | 744309033 | 2 |
| SRN8040-2R2Y | FIXED IND 2.2UH 6.3A 13 MOHM SMD | L3 | IND_BOURNS_SRN80 | SRN8040-2R2Y | 1 |
| MOUNTING_HOLE_6C M | MOUNTING_HOLE_6C M | MH1, MH2, MH3, MH4 | MOUNTING_HOLE | MOUNTING_HOLE_6C M | 4 |
| FDD6637 | MOSFET P-CH 35V 13A DPAK | Q1 | D-PAK | FDD6637 | 1 |
| RES_4.7kΩ_0805 | RES SMD 4.7K OHM 5% 1/8W 0805 | R1 | RESC2012X60N | RES_4.7kΩ_0805 | 1 |
| 1kΩ | RES SMD 1K OHM 1% 1/8W 0805, RES SMD 100K OHM 0.5% 1/8W 0805 | R2, R6, R7, R9, R14, R15 | RESC2012X60N | RES_1kΩ_0805, RES_100kΩ_0805 | 6 |
| WSL2512R2500FEA | RES 0.25 OHM 1% 1W 2512 | R3, R5 | RESC6432X89X76NL2 5T25 | RES_250mΩ_2512 | 2 |
| RES_1Ω_1206 | RES 1 OHM 5% 1/4W 1206 | R4 | RESC1206(3216)_N | RES_1Ω_1206 | 1 |
| 49.9kΩ | RES SMD 49.9K OHM 1% 1/8W 0805 | R8 | RESC2012X60N | RES_49.9kΩ_0805 | 1 |
| 3.3kΩ | RES SMD 3.3K OHM 1% 1/8W 0805 | R10 | RESC2012X60N | RES_3.3kΩ_0805 | 1 |
| 221kΩ | RES SMD 221K OHM 1% 1/8W 0805 | R11 | RESC2012X60N | RES_221kΩ_0805 | 1 |
| 13.7kΩ | RES SMD 13.7K OHM 1% 1/8W 0805 | R12 | RESC2012X60N | RES_13.7kΩ_0805 | 1 |
| 10.2kΩ | RES SMD 10.2K OHM 1% 1/8W 0805 | R13 | RESC2012X60N | RES_10.2kΩ_0805 | 1 |
| 100SP1T1B4M2QE | SWITCH TOGGLE SPDT 5A 120V | SW1, SW2 | 100SP1T1B4M2QE | SW_SPDT | 2 |
| TESTPOINT_LOOP | PC TEST POINT MINIATURE WHITE | TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9 | TESTPOINT_LOOP | TESTPOINT_LOOP | 9 |
| DCM3623T50T0680 | DC DC CONVERTER 5V 80W | U1 | DCM3623T50T0680 | DCM3623T50T0680 | 1 |
| LMR14050SDDAR | IC REG BUCK ADJUSTABLE 5A 8SOPWR | U2 | 8-PowerSOIC | LMR14050SDDAR | 1 |