





| Line # | Name             | Description   | Designator | Quantity | Supplier 1 |
|--------|------------------|---|------------|----------|------------|
|        | 10nF             |   | C1         | 1        |            |
|        | 10uF             | Alum.<br>Electrolytic<br>Cap 10μF<br>400V 10mm<br>Radial WCAP-<br>AT1H; Lifetime<br>10000h<br>+105°C              | C2, C3     | 2        | Mouser     |
|        | 16VPG270MX       | Capacitor<br>Polarised  | C4, C5, C6 | 3        |            |
|        | 1uF              | Cap Ceramic<br>1uF 100V X7R<br>10% SMD<br>1206 125°C<br>Embossed T/R  | C7         | 1        | Mouser     |
|        | UFS180Je3_TR13   | Diode   | D1         | 1        |            |
|        | RB058LAM100TR    | Schottky<br>Diode   | D2, D3     | 2        |            |
|        | AC(IN)           |   | J1         | 1        |            |
|        | 12V              |   | J2         | 1        |            |
|        | 470uH            | Inductor<br>Power<br>Shielded<br>Wirewound<br>470uH 10%<br>1KHz 18Q-<br>Factor Ferrite<br>0.18A 3.3Ohm<br>DCR T/R | L1         | 1        | Mouser     |
|        | MOSFET           | Single N-<br>Channel 800 V<br>900 mOhm 15<br>nC CoolMOS<br>Power Mosfet<br>DPAK                                   | M1         | 1        | Mouser     |
|        | 3W-62k           | Resistor  | R1         | 1        |            |
|        | 4M99R            |   | R2, R4, R5 | 3        |            |
|        | 464R             |   | R3         | 1        |            |
|        | 5k36R            |   | R6         | 1        |            |
|        | 22.1R            |   | R7         | 1        |            |
|        | 52k3R            |   | R8         | 1        |            |
|        | 10R              |   | R9         | 1        |            |
|        | 1k4R             |   | R10        | 1        |            |
|        | 19k6R            |   | R11        | 1        |            |
|        | 1.05R            |   | R12        | 1        |            |
|        | 6k19R            |   | R13        | 1        |            |
|        | 10kR             |   | Rpd        | 1        |            |
|        | CI-60            | CL Series 10<br>Ohm ± 25 % 5<br>A Radial<br>Uninsulated<br>Leads<br>Thermistor<br>Disc                            | RT1        | 1        | Mouser     |
|        | NTCG104BF683JT1X | Thermistor  | RT2        | 1        |            |
|        | 750312495        | Transformer   | T1         | 1        |            |
|        | CD-MBL206SL      | DIO BR VRRM<br>600V 2A MBL5<br>/ Tape & Reel -<br>13" reel RoHS<br>Compliant:<br>Yes                              | U1         | 1        | Mouser     |
|        | UCC28701DBVT     | Integrated<br>Circuit   | U2         | 1        |            |