

| QTY | Part | Value | Device | Package | Mouser |
|-----|---|---|----------------|----------|----------------------|
| 1 | L1 | Fixed Inductors 47uH 3A 4mm 20% Low Prof | INDUCTOR | SMD | 673-PA4342.473NLT |
| 2 | D1, D3 | Schottky diode 5A, 40V SS54B | DIODE | SMB | 750-SS54B-HF |
| 1 | D2 | 1N4148 | DIODE | SOD123 | 241-1N4148W_R1_00001 |
| 1 | SG1 | Buzzer | | | Amazon |
| 10 | C4, C5, C14, C15, C16, C17, C18, C19, C20, C21 | 100n / 50V | CAP | 0805 | 80-C0805C104M5R |
| 4 | C6, C7, C8, C9 | 10u / 10v | CAP | 0805 | 187-CL21A106KPFNNNF |
| 2 | C2, C3 | 220u/40V | CPOL | | 581-AEA1010221M035R |
| 4 | R5, R6, R11, R24 | 0R | RESISTOR | 0805 | 71-CRCW08050000Z0EAC |
| 2 | R10, R23 | 10R | RESISTOR | 0805 | 652-CHP0805AFX10R0EL |
| 7 | R7, R16, R17, R18, R19, R25, | 1k Ferrite | RESISTOR | 0805 | 710-742792096 |
| 3 | R2, R20, R22 | 1k | RESISTOR | 0805 | 71-CRCW0805-1.0K |
| 1 | R21 | 10k | RESISTOR | 0805 | 603-RC0805FR-0710KL |
| 1 | R12 | 56k | RESISTOR | 0805 | 279-CRGCQ0805F56K |
| 1 | R27 | 2k2 | RESISTOR | 0805 | 652-CR0805FX-2201ELF |
| 1 | R1 | 3K05 | RESISTOR | 0805 | 603-RT0805BRD073K05L |
| 1 | R8 | 53R | RESISTOR | 0805 | 667-ERA-6AEB53R6V |
| 1 | R3 | 5R1 | RESISTOR | 0805 | 652-CR0805-J/-5R1ELF |
| 1 | R4 | Trimmer 5k | POTENTIOMETER | SMD | 858-35WR5KLFTR |
| 1 | U3 | AD8307ARZ | Log. Amplifier | SO8 | ebay |
| 1 | U2 | ADS1219 | A/D converter | TSSOP-16 | 595-ADS1219IPWT |
| 1 | U5 | Optrex DMC16230 | LCD display | | ebay |
| 1 | Q1 | IRLML2502 | FET | SOT23 | 942-IRLML2502TRPBF |
| 1 | U1 | Arduino Nano | | | Amazon |
| 1 | X4 | SMA vertical PCB thru hole jack | CONNECTOR | | Amazon |
| 1 | JP2 | PINHD-1X3 | CONNECTOR | | Amazon |
| 1 | | NTC B57703M103G | NTC | | 871-B57703M103G |

| | | | | |
|---|--------|---------------------|-----------|-------------|
| 2 | X1, X3 | MSTBA2.5/2-G-5.08 | CONNECTOR | 651-1757019 |
| 2 | X1, X3 | MSTB 2.5/ 2-ST-5.08 | CONNECTOR | 651-1736036 |
| 1 | X2 | MSTBA2.5/4-G-5.08 | CONNECTOR | 651-1702863 |
| 1 | X2 | MSTB 2.5/ 4-ST-5.08 | CONNECTOR | 651-1706427 |