



| Comment | Description | Designator | Footprint | LibRef | Quantity |
|-------------------|---|------------|-----------------------------|------------------------|----------|
| AI-1223-TWT-12V-R | ELECTRO-MECHANICAL AUDIO INDICATOR | Bz1 | XDCR_AI-1223-TWT-12V-R | Buzzer | 1 |
| 10uF | FS-A | C1, C8 | CAPPRD500W50D500H1100 | Electrolytic capacitor | 2 |
| 100uF | FS-A | C2, C3 | CAPPRD500W50D500H1100 | Electrolytic capacitor | 2 |
| 100nF | 2200 pF $\pm 10\%$ 250V Ceramic Capacitor X7R Radial | C4, C5 | CAPRB500W50L450T300H550 | Ceramic capacitor | 2 |
| 22pF | 2200 pF $\pm 10\%$ 250V Ceramic Capacitor X7R Radial | C6, C7 | CAPRB500W50L450T300H550 | Ceramic capacitor | 2 |
| 1N4007 | Diode Switching 1KV 1A 2-Pin DO-41 | D1, D2 | DI0AD1060W80L520D270 | 1N4007 | 2 |
| L08R500001 | LED, Orange, Through Hole, 1-1 3/4 (5mm), 30 mA, 2.1 V, 635 nm | D3 | LEDRD254W57D500H1070 | LED | 1 |
| TBlock 2 | 2 Position Wire to Board Terminal Block Horizontal with Board 0.197" 5.00mm Through Hole | J1, J3, J7 | 691111710002 | Terminal Block - 2Pins | 3 |
| Header 4 | 4 Position Header Connector Through Hole | J4, J5 | SULLINS_PPTC041LFB N-RC | Female header - 4Pins | 2 |
| Plug | Plug | P1 | PIN1 | Plug | 1 |
| N-Channel mosfet | N-Channel 100V 22A (Tq) 85W (Tq) Through Hole TO-220AB | Q1 | TO254P1052X465X198 9-3 | IRF540 | 1 |
| BC547B | Check availability Check availability | Q2 | TO92250P510H4770-3 | BC547B | 1 |
| 30k | (MFR:-25FBF52-10K) 10.2 kOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film | R1 | RESAD1100W55L680D260 | Resistor (0.25W) | 1 |
| 1k | (MFR:-25FBF52-10K) 10.2 kOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film | R2 | RESAD1100W55L680D260 | Resistor (0.25W) | 1 |
| 150k | (MFR:-25FBF52-10K) 10.2 kOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film | R3 | RESAD1100W55L680D260 | Resistor (0.25W) | 1 |
| 10k | (MFR:-25FBF52-10K) 10.2 kOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film | R4, R5, R8 | RESAD1100W55L680D260 | Resistor (0.25W) | 3 |
| 100 | (MFR:-25FBF52-10K) 10.2 kOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film | R6 | RESAD1100W55L680D260 | Resistor (0.25W) | 1 |
| 270k | (MFR:-25FBF52-10K) 10.2 kOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film | R7 | RESAD1100W55L680D260 | Resistor (0.25W) | 1 |
| 6.8k | (MFR:-25FBF52-10K) 10.2 kOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film | R9 | RESAD1100W55L680D260 | Resistor (0.25W) | 1 |
| TL2203CE | Pushbutton Switch DPDT Standard Through Hole | S1 | SW_TL2203CE | Switch button | 1 |
| UM7805 | | U1 | TO255P1020X450X196 8-3 | LM78_... | 1 |
| ATMEGA328P-PU | ATmega Series 20 MHz 32 KB Flash 2 KB SRAM 8-Bit Microcontroller - DIP-28 | U2 | DIP794W46P254L2967 H457Q28B | ATMEGA328P-PU | 1 |
| 16MHz | CRYSTAL T/H | Y1 | XTAL_ECS-160-20-4X | Crystal oscillator | 1 |