Capacitors 🔌

- **0.1uF Ceramic Capacitors:** 10 pieces (C1, C4, C6, C9, C10, C12, C14, C15, C16, C17) in a 0603 package.

- **10uF Capacitors:** 2 pieces (C5, C13) in a 0603 package.

- **22pF Capacitors:** 2 pieces (C7, C8) in a 0603 package.

- **22uF Capacitor:** 1 piece (C11) in a 0603 package.

- **100uF Polarized Capacitors:** 2 pieces (C2, C3) in a CPOL-RADIAL-2.5MM-6.5MM package.

Resistors 🎛️

- **0Ω Resistors:** 2 pieces (R15, R17) in a 0603 package.

- **1kΩ Resistors:** 6 pieces (R12, R13, R14, R16, R18, R19) in a 0603 package.

- **2kΩ Resistors:** 4 pieces (R1, R2, R3, R4) in a 0603 package.

- **10kΩ Resistors:** 2 pieces (R20, R21) in a 0603 package.

- **330Ω Resistors:** 7 pieces (R5, R6, R7, R8, R9, R10, R11) in a 0603 package.

Integrated Circuits (ICs) & Semiconductors 🖥️

- **ATmega328-AU Microcontroller:** 1 piece (U3) in a TQFP-32 package.

- **CD4511BE BCD-to-7-Segment Decoder:** 1 piece (U2) in a PDIP-16 package.

- **L293D Push-Pull Driver:** 1 piece (IC2) in a DIL16 package.

- **7806DT Voltage Regulator:** 1 piece (IC1) in a TO-252 package.

- **SS14 Schottky Diode:** 1 piece (D1) in an SMA-DIODE package.

Connectors & Sockets 🔌

- **DC Power Jack:** 1 piece (PWR) in a GCT DCJ200-05-A-XX-X_REVA package.

- **Pin Header (Debug/Programming):** 1 piece (DEBUG/PROG) of type MA04-2.

- **Terminal Blocks:** 2 pieces (CON1, CON2) of type 282836-2.

Other Components 🛠️

- **RGB LED:** 1 piece (RGBLED) of type LED-RGBNO_IC in a LED-TRICOLOR-5050 package.

- **White LED:** 1 piece (D2) of type LTW-C191TLA in a LEDC1608X65N package.

- **16MHz Crystal:** 1 piece (Y1) in an HC49US package.

- **Tactile Switches:** 2 pieces (SW1, SW2) of type 1437566-3.

- **7-Segment Display:** 1 piece (U1) of type SC52-11HWA.

- **Potentiometer:** 1 piece (POT) of type TRIM_US-S64W in an S64W package.

- **Mounting Holes:** 4 pieces (H1, H2, H3, H4) of type MOUNT-HOLE2.8.