

Concrete Audio control Knob

| Bill of Material for | | | | |
|-----------------------------|----------------------------------------------|----------|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| On 7/14/2021 at 10:24:46 PM | | | | |
| Comment | Pattern | Quantity | Components | |
| 100nF | 0805 Capacitor | 1 | C3 | Generic, SMD |
| 1uF | 0805 Capacitor | 14 | C1, C2, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15 | Generic, SMD |
| 100k | 0805 Resistor | 1 | R5 | Generic, SMD Resistor |
| 10k | 0805 Resistor | 1 | R2 | Generic, SMD Resistor |
| 1k | 0805 Resistor | 1 | R1 | Generic, SMD Resistor |
| 22R | 0805 Resistor | 2 | R3, R4 | Generic, SMD Resistor |
| ATmega32U4-AU | ATmega32U4-AU_N | 1 | U1 | 8-bit AVR Microcontroller, 2.7-5.5V, 32KB Flash, 2.5KB EEPROM, 1KB SRAM, USB Controller, 44-pin TQFP, Industrial Grade (-40°C to 85°C) |
| C40951 (A332) | Micro USB - A322 - With Housing | 1 | USB1 | Micro, SMD |
| SK22D07 | Switch - Selector - SK22D07 | 1 | SW1 | Switch - Selector - SK22D07 |
| PEC11L | PEC11L - 20mm | 1 | Encoder1 | Encoder - PEC11L - 20mm Shaft |
| IDC 6 Pin | IDC - 2.54mm - 6 PIN | 1 | IDC1 | 6 Pin 2.54mm |
| CSTCE16M0V53 | Ceramic Oscillator -CSTCE16M0V53 Easy Solder | 1 | XTAL1 | Ceramic Oscillator - Built in Capacitors |
| MAC | LED - 1206 - Right - Blue | 1 | LED2 | SMD |
| PC | LED - 1206 - Right - Red | 1 | LED1 | SMD |
| WS2812-V3 | LED - WS2812B | 8 | LED3, LED4, LED5, LED6, LED7, LED8, LED9, LED10 | 5.0x5.0mm - Addressable LED, 3.5-5V, 4pin |