Bill of Materials

CS4271 Audio Codec x 1

* [https://www.digikey.com/product-detail/en/CS4271-CZZ/598-1041-5-ND/923161/?itemSeq=302626773](https://www.digikey.com/product-detail/en/CS4271-CZZ/598-1041-5-ND/923161/?itemSeq=302626773598-1041-5-ND)
* <https://www.jameco.com/z/A000080-Arduino-Arduino-MEGA-Protoboard-PCB-Rev3-_2152411.html?CID=BINGMC&msclkid=cbf5a24349101fdf7a17ff37ce9a2d7c>

11 MHz Crystal x 1

* <https://www.digikey.com/product-detail/en/ECS-110.5-20-1/X089-ND/79405/?itemSeq=302626781>

IC OPAMP VFB 1 CIRCUIT 8SOIC x 3

* <https://www.digikey.com/product-detail/en/AD8057ARZ/AD8057ARZ-ND/620675/?itemSeq=302626794>
* <https://protosupplies.com/product/pcb-soic-tssop-28-to-dip-adapter/>

Resistors

* 1 kohm x 2
* 300 ohm x 5
* 5.1 ohm x 1
* 10 Kohm x 11
* 47 kohm x 1
* 634 ohm x 2
* 91 ohm x 2
* 100 kohm x 6

Capacitors

* Electrolytic
  + 1 uF x 4
  + 4.7 uF x 6
  + 7 uF x 1
  + 470 pF x 2
  + 10 uF x 2
* Ceramic
  + 20 pF x 4
  + 2.7 nF x 2
  + 100 nF x 12
  + Blue LEDs x 5
    - 20mA max operating limit
* Push Button x 4
* 3PDT Switch Push Button-- Find these at mammothelectronics.com.
  + put a 0.1uf cap across the switch (Common to normally open) to provide hardware debounce