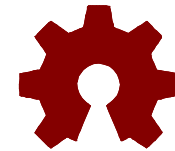
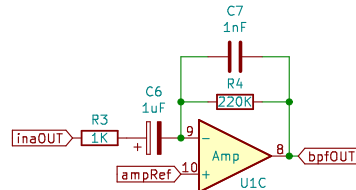


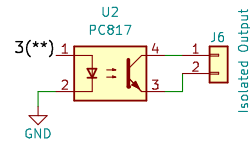
**Instrumentation amplifier (Gain x10)**



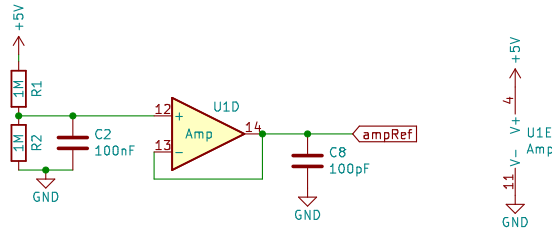
LOGO1  
LOGO\_UDLABS  
Upside Down Labs LOGO



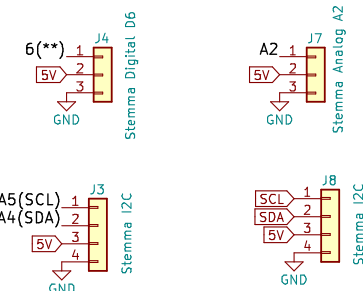
**BandPass filter (72Hz - 720Hz)**



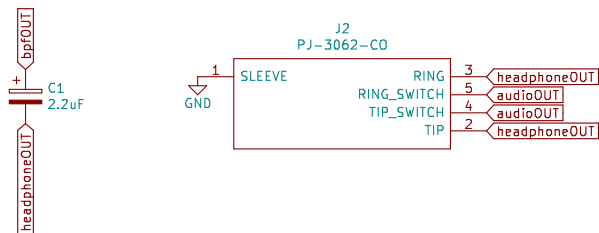
**Isolated Digital Output**



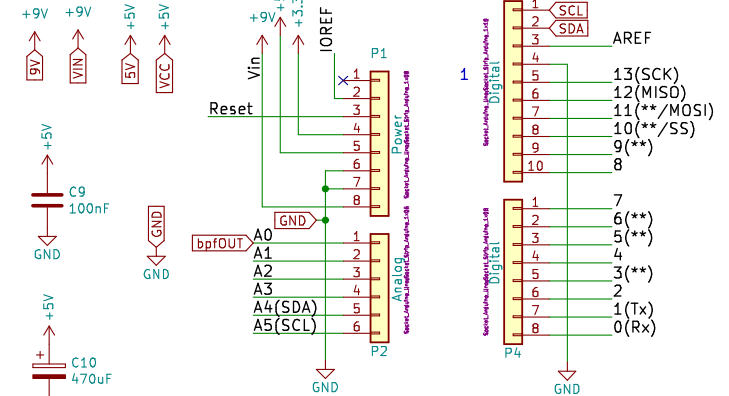
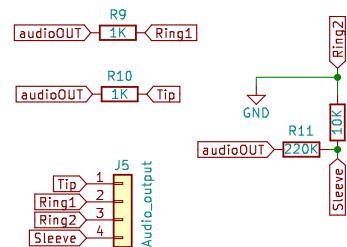
**Reference Power supply**



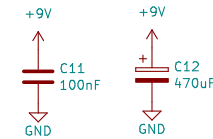
**Stemma connectors**



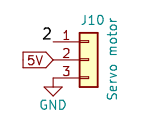
**Audio output interface**



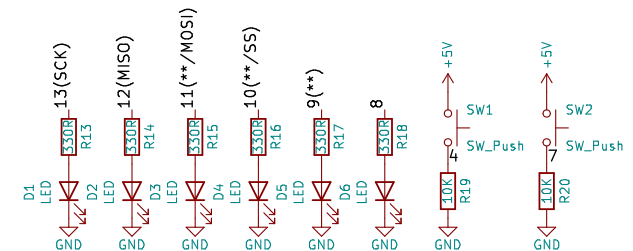
**Arduino header pins**



**Battery connector**



**Servo port**



**LEDs and Switches**



DIY Muscle BioAmp Shield  
Quad OpAmp based design  
Arduino Shield for EMG  
BackYardBrains compatible  
**Upside Down Labs**

Sheet: /  
File: Muscle-BioAmpShield.kicad\_sch

**Title: DIY Muscle BioAmp Shield**

Size: A4 Date: 2023-02-13

KiCad E.D.A. kicad 6.0.11-3.fc37

**Rev: v0.3**

Id: 1/1