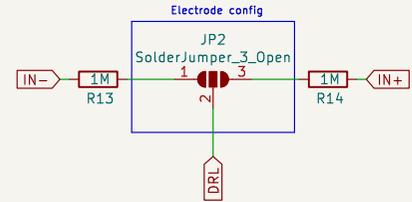


Removes high frequency noise.

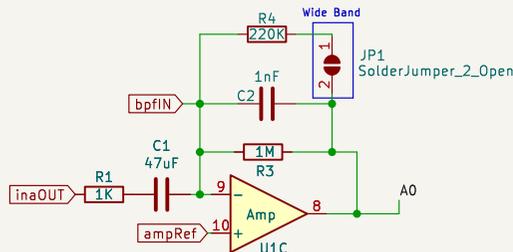
11x Gain Instrumentation Amp (INA)



Bridge all three pads of the solder jumper (JP2) to configure for 2 Electrode operations instead of the 3 electrodes
Note: 2 electrodes will give noisier output than 3 electrodes!

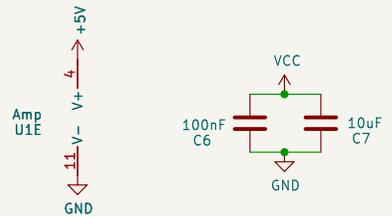
Electrode reference

Create solder joint on JP1 to increase the Band Pass frequency range
Default: Narrow input frequency band, use when recording EEG, EOG
Configured: Wide input frequency band, use for ECG, EMG, and EOG

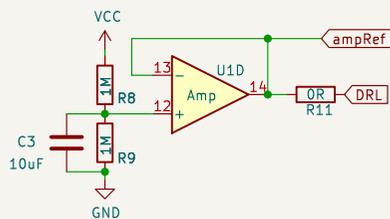


C5 (BPFC_C) & R12 (BPFC_R) on the back side of the PCB can be used to configure the bandpass filter. Use them to configure output Gain (decrease) & Band (frequency range).

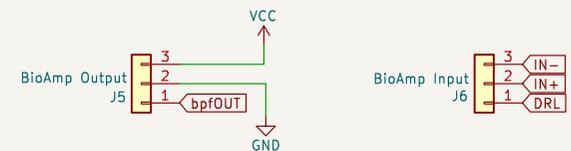
1000x Gain Bandpass Filter



Power supply filtering



Amp Ref + Driven Right Leg (DRL)



Header pins / Connectors



* Indicates a PWM-capable pin

Sheet: /
File: ard1.kicad_sch

contact@upside-downlabs.tech

Title:

Size: A4 Date: mar. 31 mars 2015

KiCad E.D.A. 9.0.0

Rev:

Id: 1/1