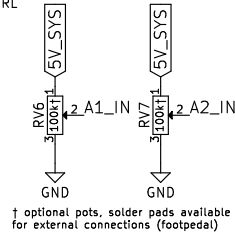
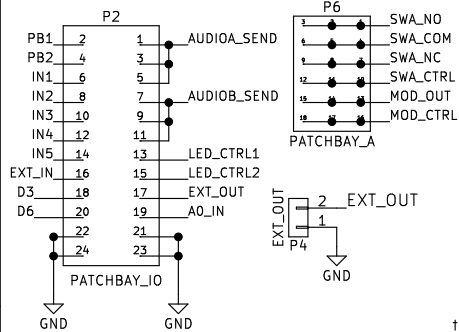


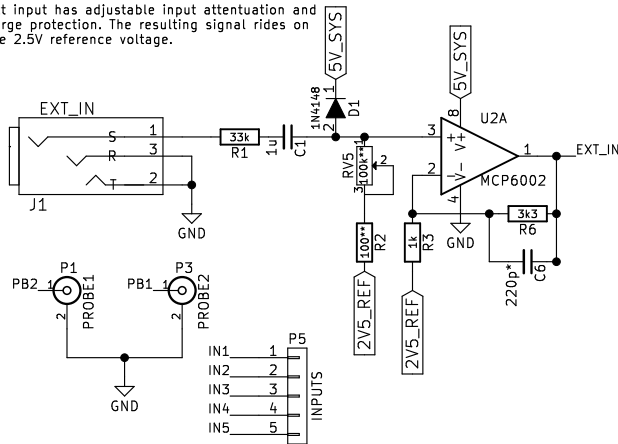
PATCHBAYS



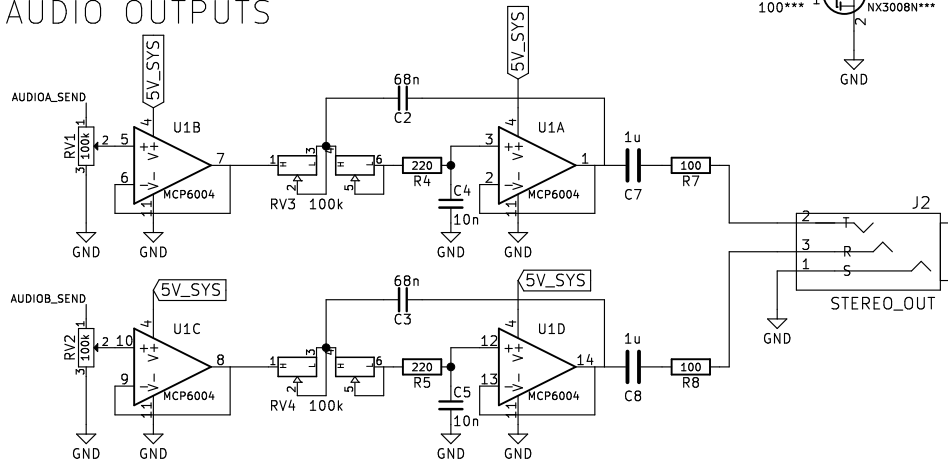
† optional pots, solder pads available for external connections (footpedal)

EXTERNAL INPUT

Ext input has adjustable input attenuation and surge protection. The resulting signal rides on the 2.5V reference voltage.

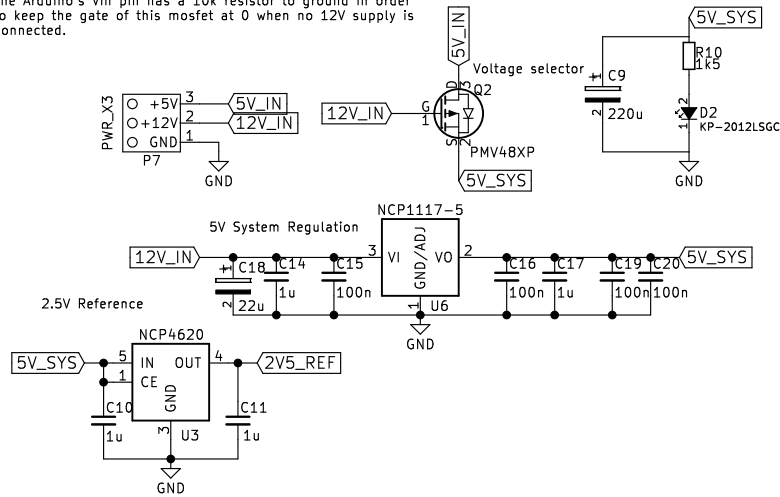


AUDIO OUTPUTS

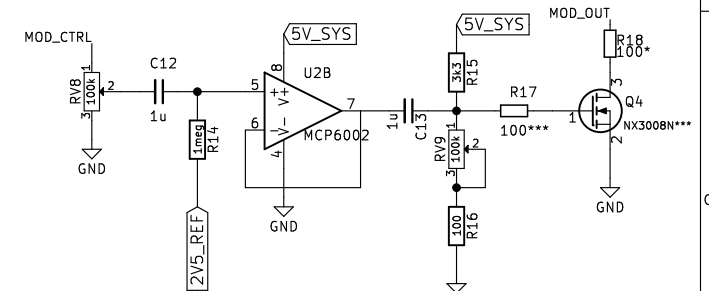


POWER

This circuit uses the NCP1117-5 LDO regulator on the Arduino Micro for power regulation. The circuit can be supplied with a 12V supply from the iMac's power supply. Or directly by the iMac's regulated 5V supply. The Arduino's Vin pin has a 10k resistor to ground in order to keep the gate of this mosfet at 0 when no 12V supply is connected.



SIGNAL MODULATION



* Resistors are optional. Can be connected with a solder bridge.
 ** Trimmer can be swapped for 1meg for higher input impedance
 *** Replace/Experiment with BC817, and larger base/gate resistors
 **** Choose one LED front or back

Sheet: /
 File: imac-pcb.sch

Title: imac patchbay

Size: A4 Date: 2017-01-06

KiCad E.D.A. kicad 4.0.5

Rev: 1

Id: 1/1