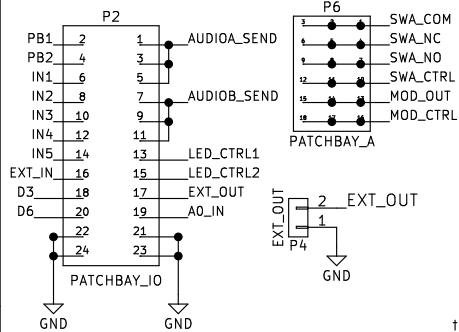
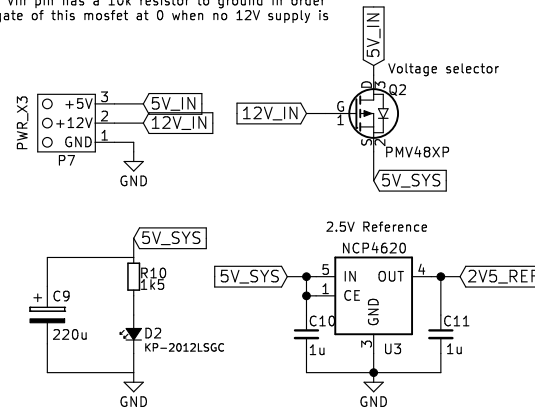


PATCHBAYS



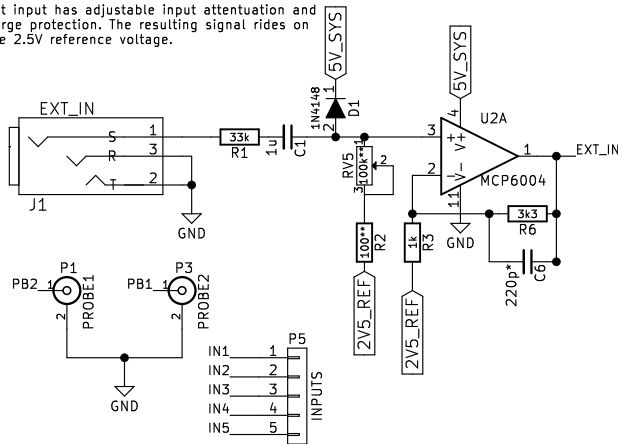
POWER

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.

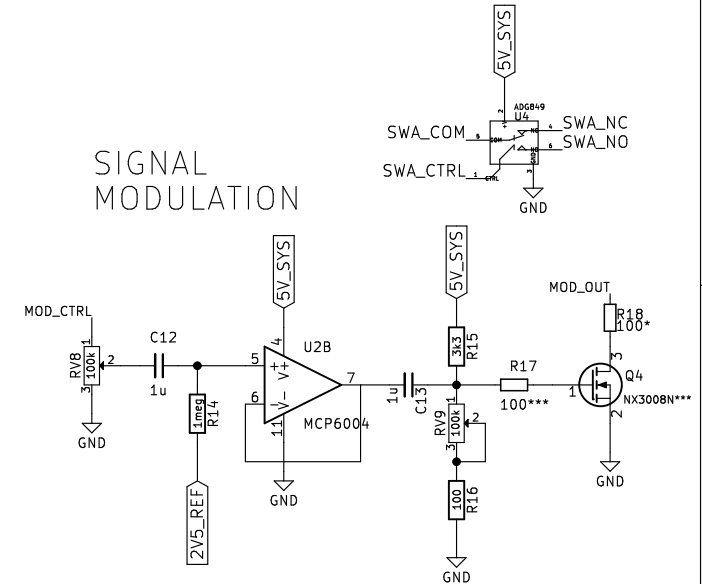


EXTERNAL INPUT

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

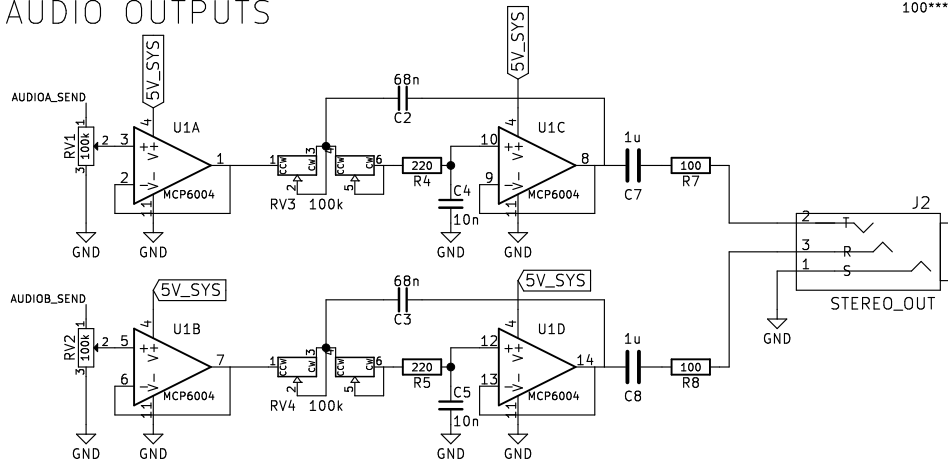


SIGNAL MODULATION



- * 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

AUDIO OUTPUTS



Sheet: /
File: imac-pcb.sch

Title: imac patchbay

Size: A4 Date: 2017-01-06

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