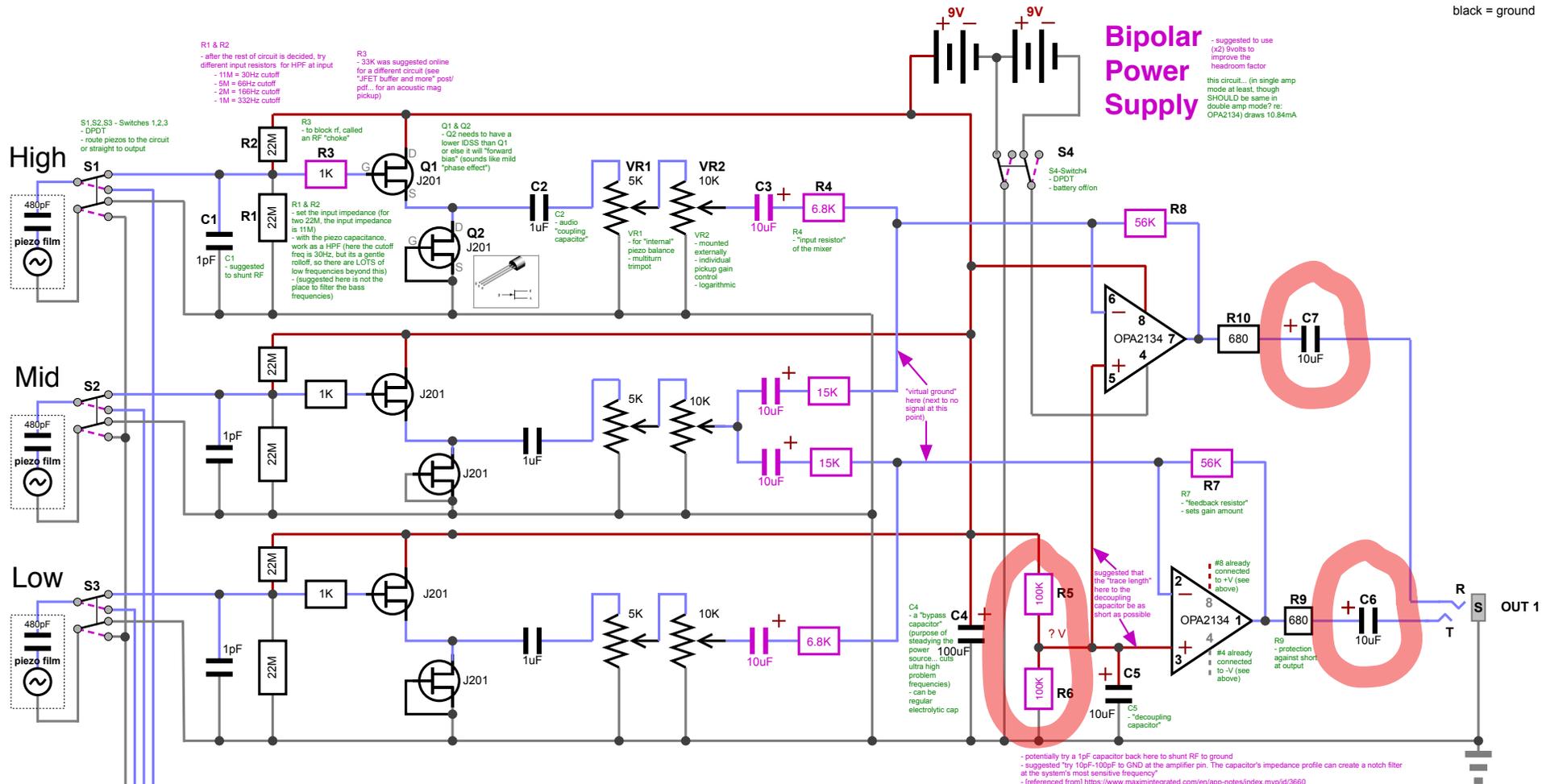


Combination Buffer, Mixer, Gain Circuit - vrsn2.4

red = power supply

blue = "audio"

black = ground



CircuitPartA - Buffer

CircuitPartB - Mixer and Gain
 (in "inverting mode", acting as virtual earth mixer)

UA22 soundcard

- [from spec sheet]
- Input Impedance
- INPUT 1, 2 (XLR type): 4KΩ (balanced)
- INPUT 1, 2 (1/4-inch TRS phone type): 34KΩ (balanced)
- INPUT 1 jack supports high impedance

Firewire1814 soundcard

- [from spec sheet]
- Line Inputs
- nominal input level -10dBV
- max input level +2.1dBV, typical
- input impedance 10KΩ, typical
- Mic/Inst. Inputs 1-2 (Balanced, at Minimum Gain)
- max input level -3.8dBu, typical
- input impedance