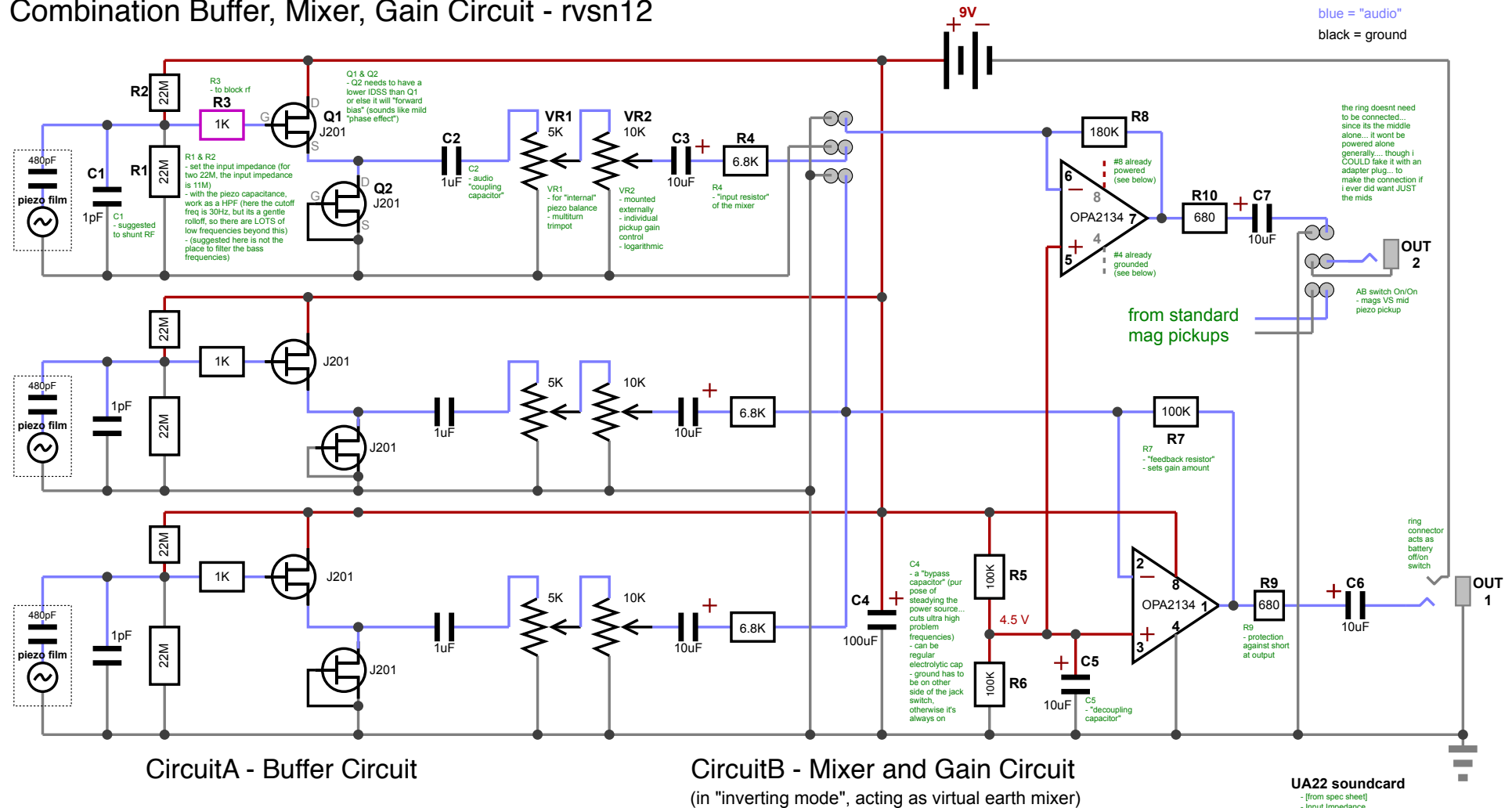


Combination Buffer, Mixer, Gain Circuit - rvsn12



Piezo Films - LDT-0-028K

- each can act as an "input capacitor" [the following from LDT datasheet]
- 480pF source capacitance [the following from DTseries datasheet]
- Min. impedance- 1MΩ, recommended 10MΩ
- Output voltage- mV to 100's of volts
- the capacitance is proportional to the area and inversely proportional to the thickness of the element [the following from "Technical Manual" referring to DT1]
- Capacitance: 1.36 nF; Dissipation Factor of 0.018 @ 10 KHz; Impedance of 12 KΩ @ 10 KHz

UA22 soundcard

- [from spec sheet]
- Input Impedance
- INPUT 1, 2 (XLR type): 4 kΩ (balanced)
- INPUT 1, 2 (1/4-inch TRS phone type): 34 kΩ (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 10K Ohms, typical
- Mic/Inst. Inputs 1-2 (Balanced; at Minimum Gain)
- max input level -3.8dBu, typical