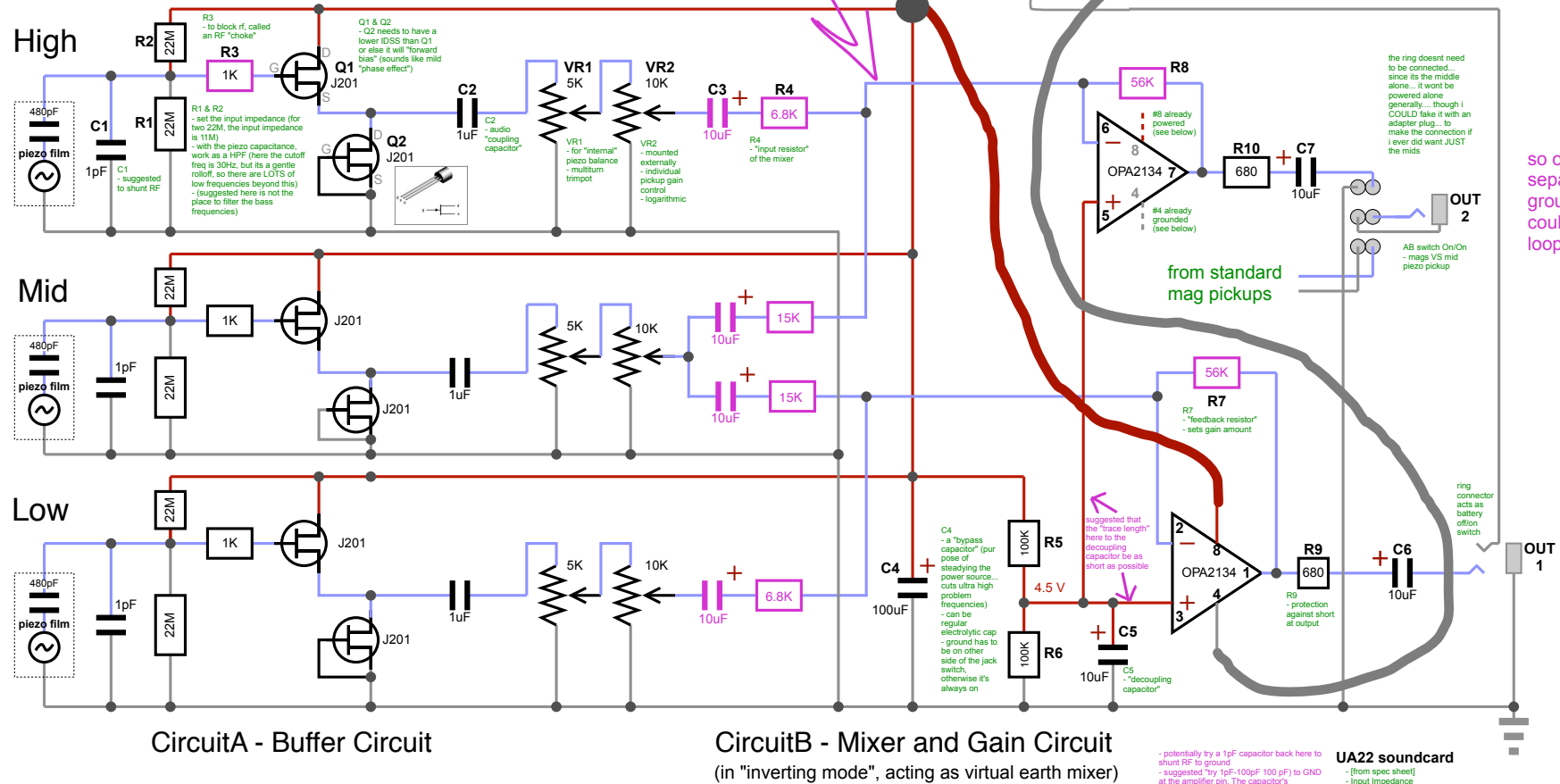


Bipolar Power Supply

- suggested to use 2x 9volts
to improve the headroom factor

this circuit... (in single amp mode at least, though SHOULD be same in double amp mode?) draws 10.84mA

Combination Buffer, Mixer, Gain Circuit - vrsn2.4



so out 2 needs to be separated from chassi ground i think, or there could be a ground loop, no?

Piezo Films - LDT-0-028K

- each can act as an "input capacitor" (the following from LDT datasheet)
- 480pF source capacitance (the following from D7series 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)- 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 10K, typical
- Mic/line Inputs 1-2 (Balanced, at Minimum Gain)
- max input level -3.8dBu, typical
- input impedance