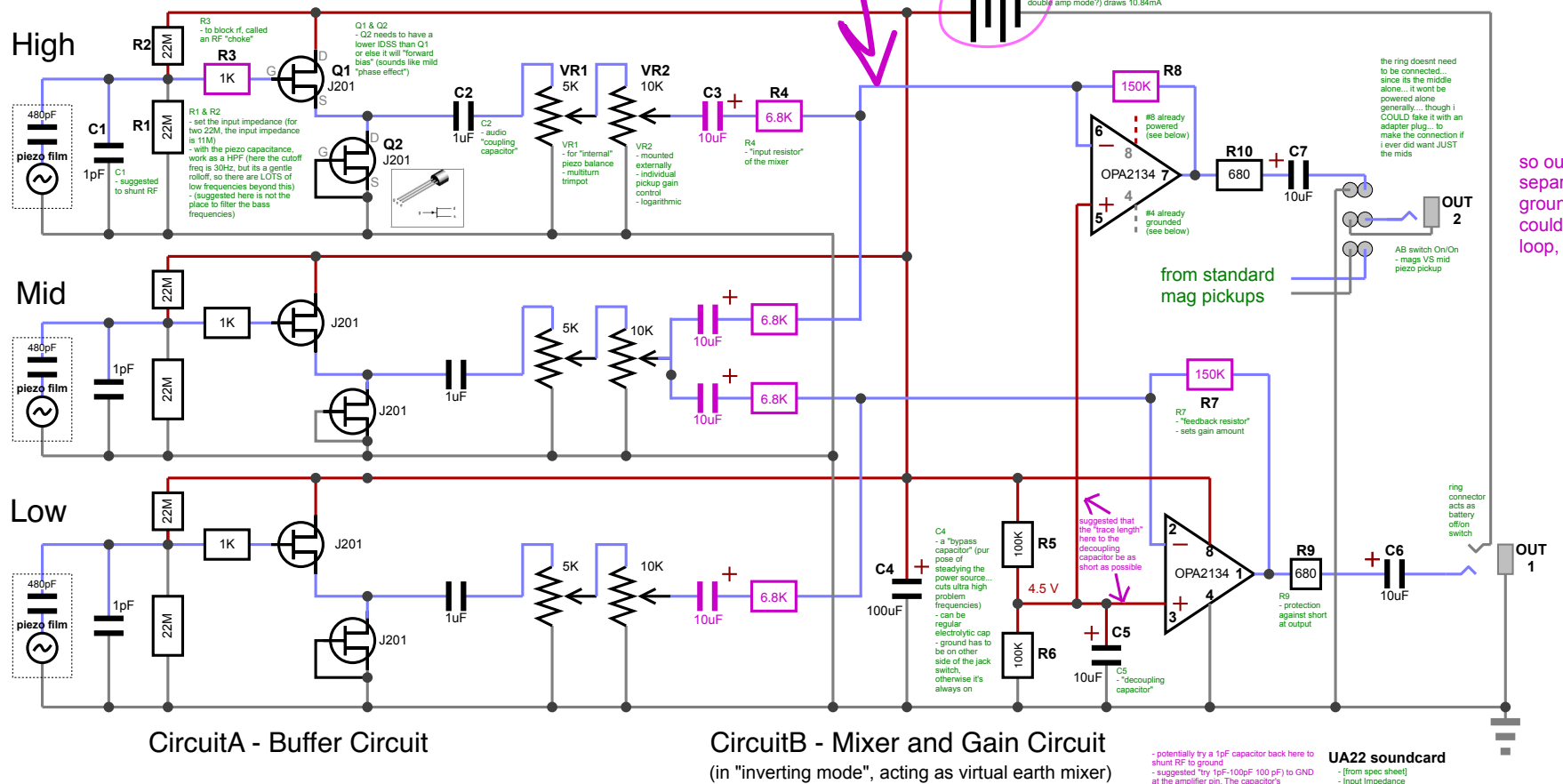


# Combination Buffer, Mixer, Gain Circuit - vrsn2.0



## 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

## 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