This circuit is based on the MXR Noise Gate, it will mute the output when the input is below the threshold level set by the potentiometer, removing noise while not playing. This is Tonepad's modified version which includes pads for experimentation that will allow for more control. Mods are not verified. Layout shown is populated as stock circuit using 2n5485 FET, rotate FET 180 degrees if using 2N5952(used in the original). Off board components except for the potentiometers are not shown on the layout. Trademarks are property of their owners.

LAYOUT
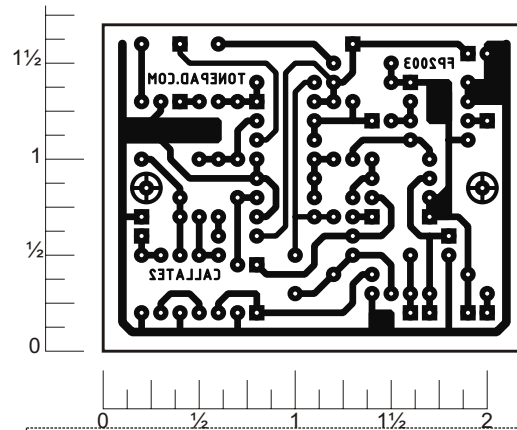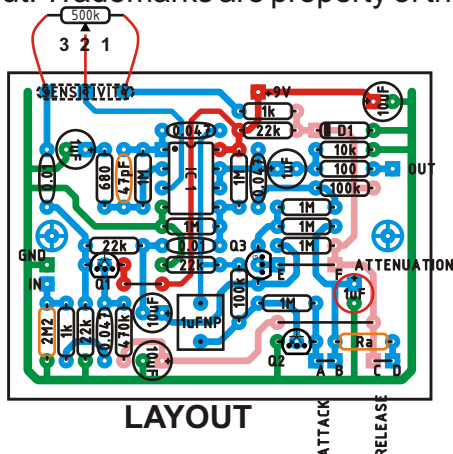
Parts List

Resistors	Capacitors	Pots
7 - 1M	3 - 10µF	1 - 500k Log.
1 - 470k	3 - 1µF	
1 - 150k (Ra)*	1 - 1µF / NP	**Diodes**
2 - 100k	3 - 0.047 µF	1 - 5.1v Zener
4 - 22k	2 - 0.01 µF	
1 - 10k	**Transistors &ICs**	
2 - 1k	2 - 2N3904 (2N5088 will also work)	
1 - 680	1 - 2N5485 (2N5952 rotate 180deg)	
2 - 100	IC1 - 4558 (TL072 will also work)	

NOTES:
Mods require replacing jumpers with pots.
Attack:
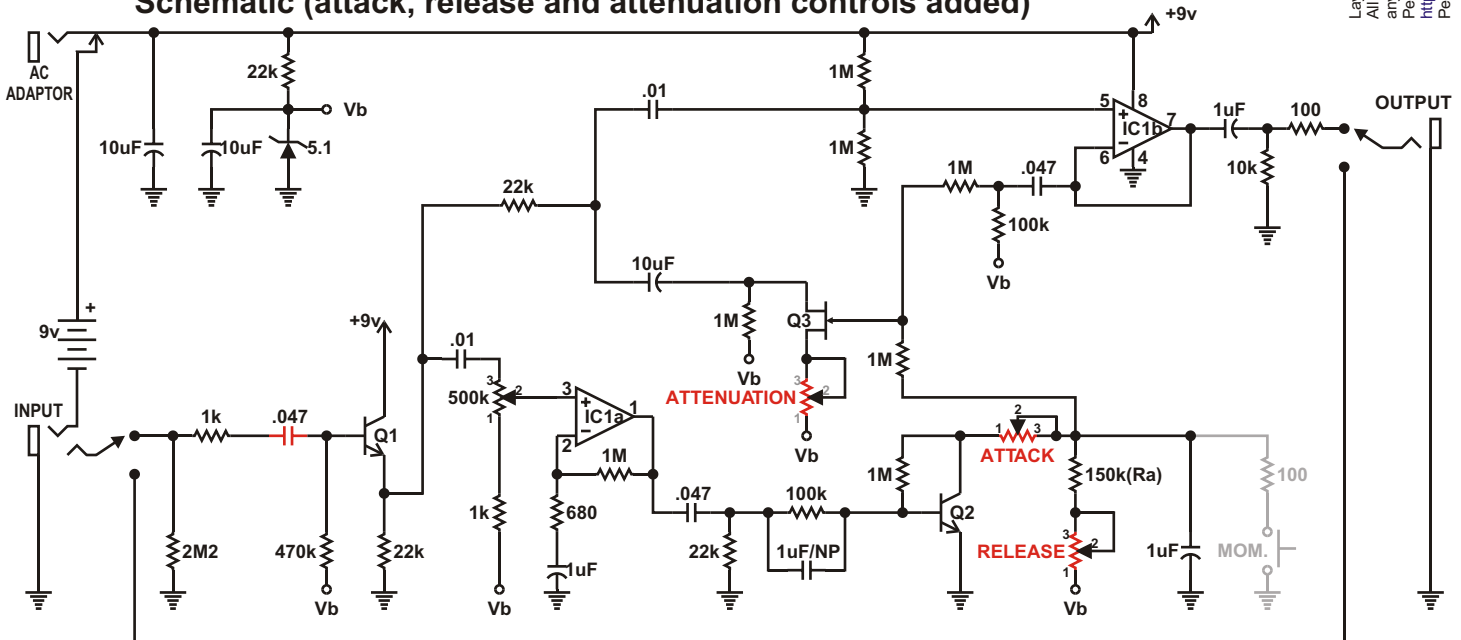Use a 5k or 10k linear pot. (larger resistance=longer attack time)
Release:
Use a 250k or 500k linear pot. (larger resistance=longer release time) Lower Ra's value to allow faster than stock release.
Attenuation:
Use a 50k or 100k linear pot. (larger resistance=less attenuation)

Schematic (attack, release and attenuation controls added)