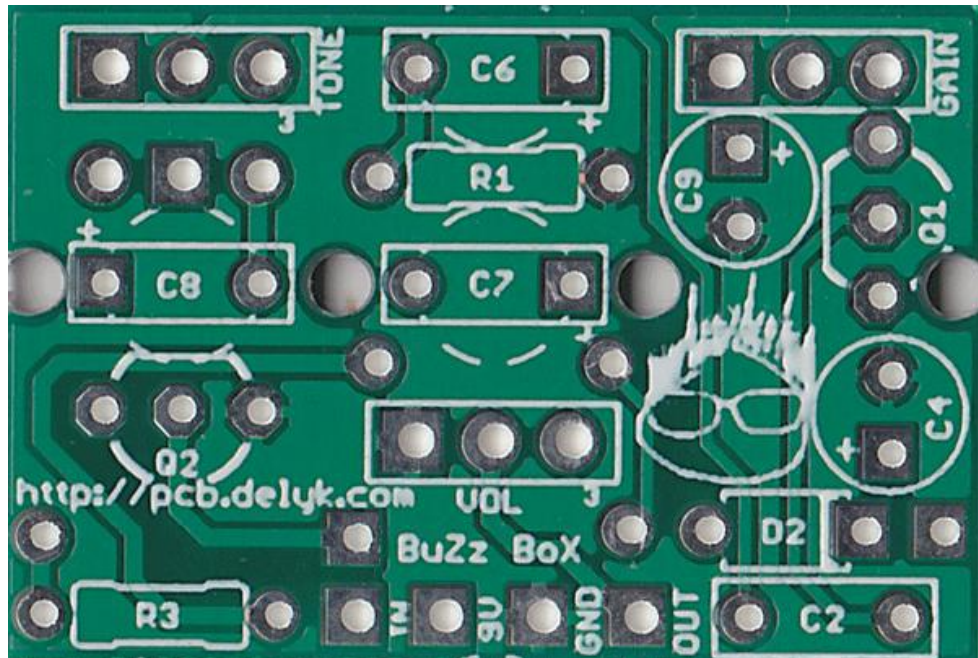




BuZz BoX

Build Document

Introduction

Ah, the Buzz Box. This is also known as two Bazz Fusses in series. Everyone should do a Bazz Fuss at least once. It's an easy build with some...interesting...sounds. Personally, I love it. Quite a bit of fuzz.

This particular board is a lot of fun, with a ton of options. I almost wish you'd just socket the whole thing. ☺ Really, though, it'd be good to breadboard this to find what you want.

Bill of Materials

Capacitors

I obtained all of my capacitors from Tayda. That's what the layout was setup for.

P/N	Value	Type	Notes
C2	220nF	Film Box	
C4	22uF	Aluminum Electrolytic	
C6	10uF	Aluminum Electrolytic	
C7	10uF	Aluminum Electrolytic	
C8	10uF	Aluminum Electrolytic	
C9	47uF	Aluminum Electrolytic	

Diodes

I obtained all of my diodes from Tayda.

P/N	Value	Notes
D1	1N4148	
D2	1N400x	
D3	1N34A	

Transistors

I obtained all of my transistors from Tayda.

P/N	Value	Notes	Notes
Q1	2N3904		
Q2	2N3904		

Resistors

P/N	Value
R1	1M
R2	100k
R3	100k

Potentiometers

I obtained all of these from Tayda. That's what the layout was setup for. Some pots are onboard, some aren't.

P/N	Value	Notes
GAIN	B5k	
TONE	B100k	
VOL	A100k	

Switches

I obtained all of these from Tayda.

P/N	Value	Notes
SW1	SPDT	On-Off-On

Modifications

Diodes

Like most distortions, have fun here. Try different combinations; LEDs, silicon, germanium, etc. The original schematic did not use diodes for clipping; that's the reason for the on-**off**-on SPDT.

Build Comments

1. Use the BIAS trimpot to set Q2 to what you think sounds best. (My board was approximately 7k resistance; every setup varies.)
2. The SAG pot is super fun. If you don't want to use SAG, turn the pot all the way to maximum (zero ohm).

Schematic

