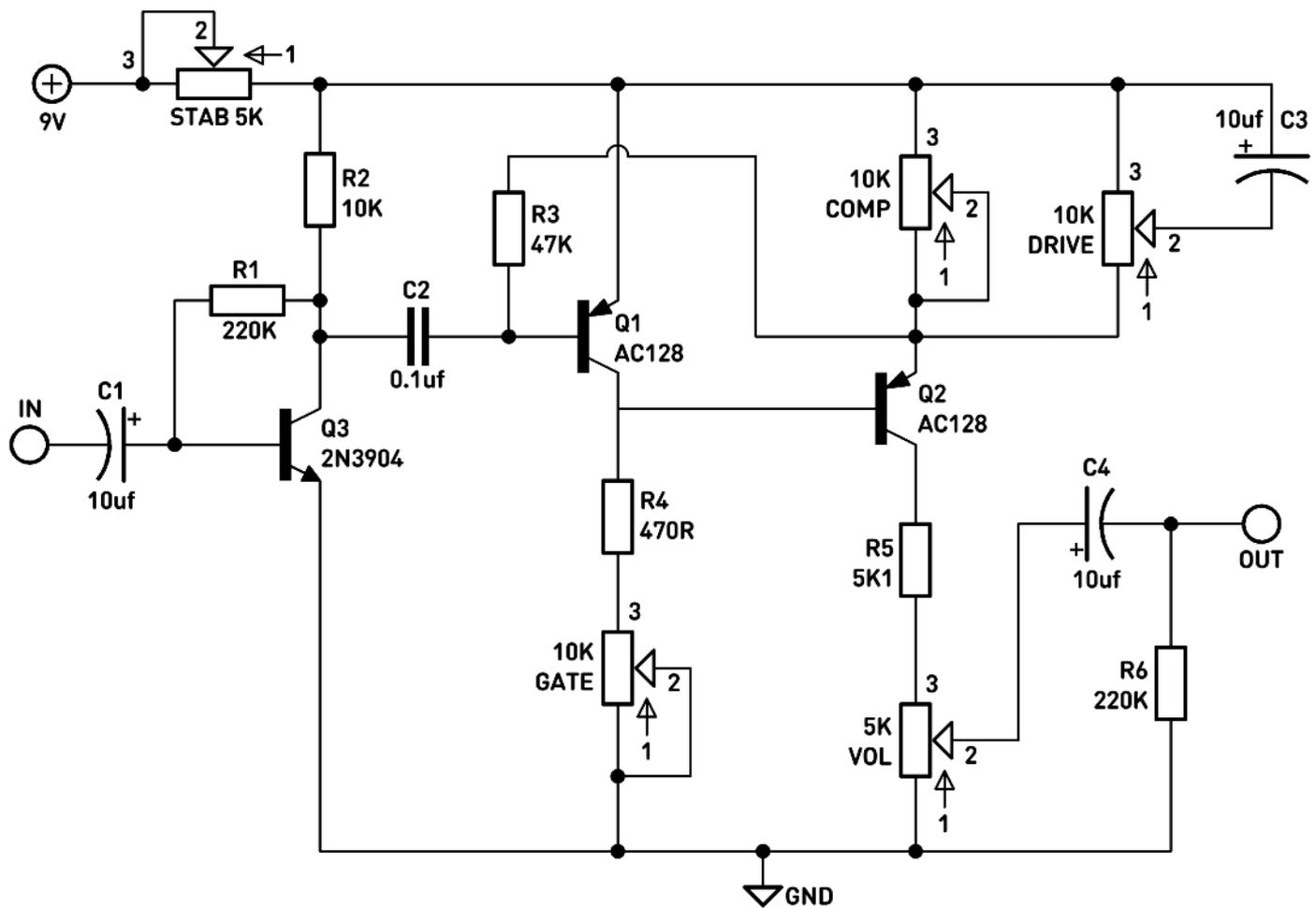


# Filth Fack!

Famous germanium  
5-knobbed fuzz clone

[PedalParts.co.uk](http://PedalParts.co.uk)

# Schematic



## BOM

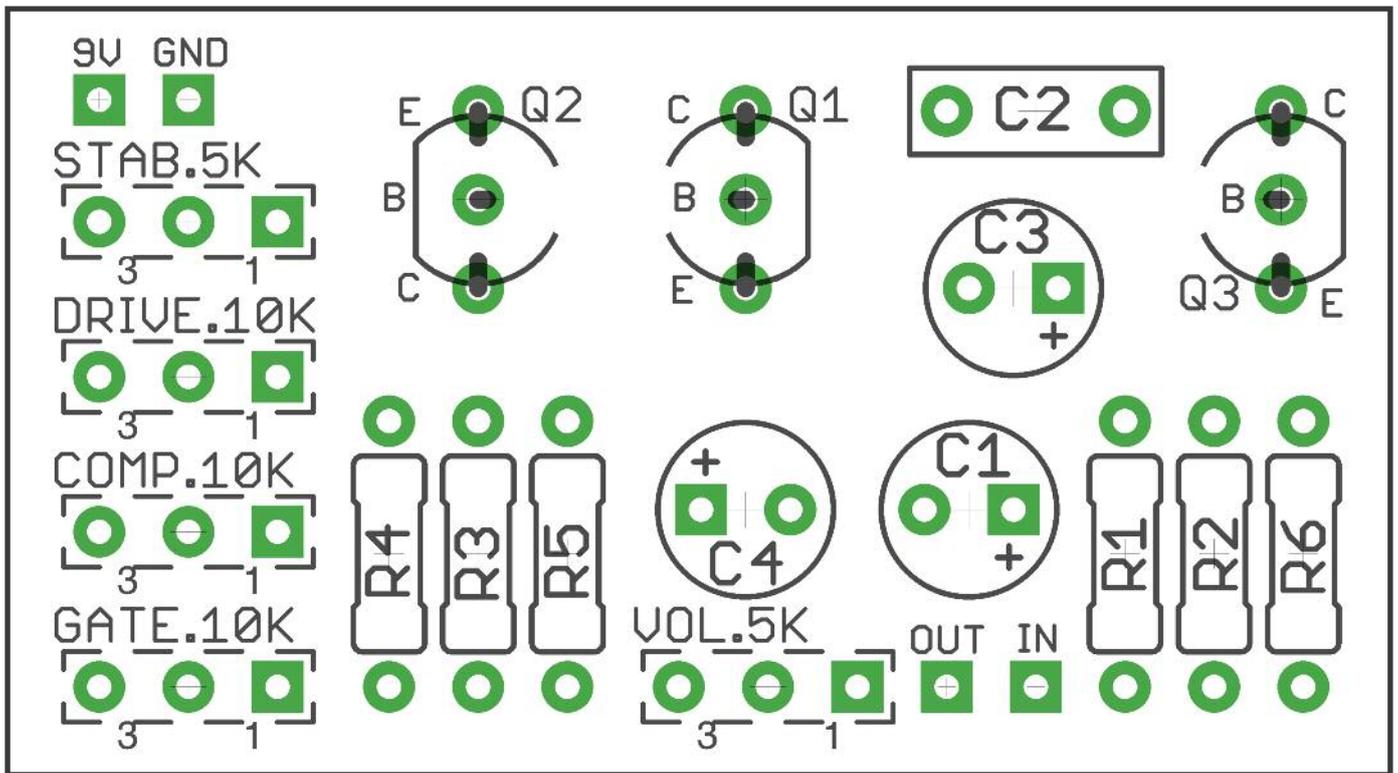
R1,6	220K
R2	10K
R3	47K
R4	470R
R5	5K1
C1,3,4	10u
C2	0.1u

Q1,2	AC128/2N404 or other PNP Germs
Q3	2N3904
STAB	5kB or C
DRIVE	10kB
COMP	10kB
GATE	10kB
VOL	5kB

Surely this beast needs no explanation? You want it... You NEED it!

In essence a Fuzz Face with a pre-boost and a load of controls, but what fun!

Ignore the fact there are transistor sockets on the pic on the front page. That ain't happening. Solder those boys in. And 2N404 work just the same as the AC128, so you may get those in your kit. Depends on what I have in stock in the ideal hFE range. I only want the best for you.

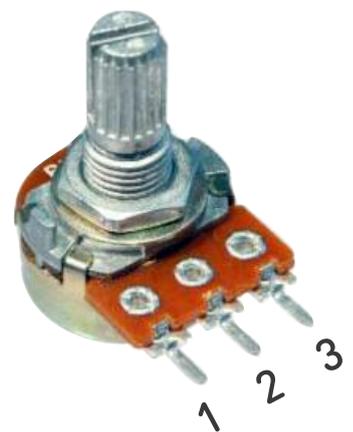


Wiring shown overleaf will disconnect the battery when you remove the jack plug from the input, and also when a DC plug is inserted.

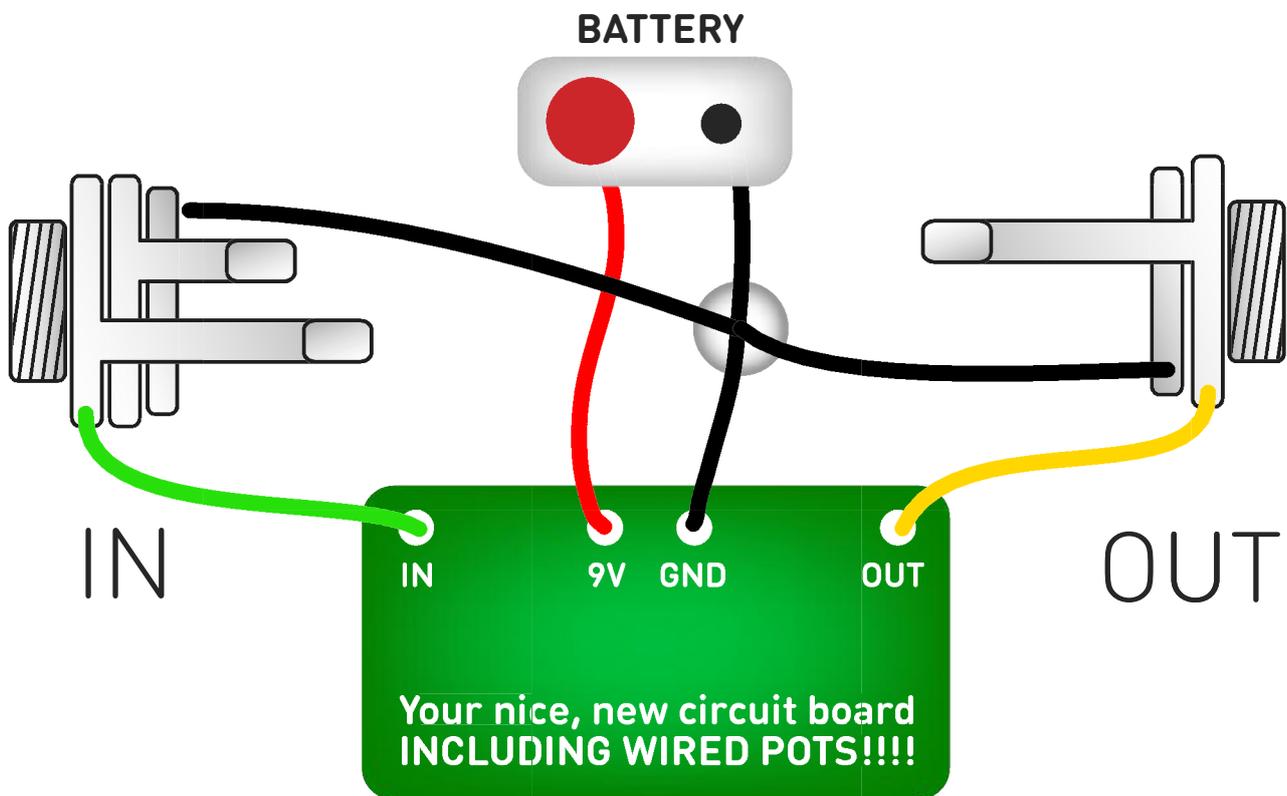
Snap the little metal tag off the pot to mount it flush in the box.

You **MUST** use some kind of heat sink on the legs of the transistors when soldering. They aren't keen on heat. Any more than 3-4 seconds of iron and they're toast.

Recommended assembly order:  
Resistors, Caps, Transistors, Wires, Pots



# Test the board!

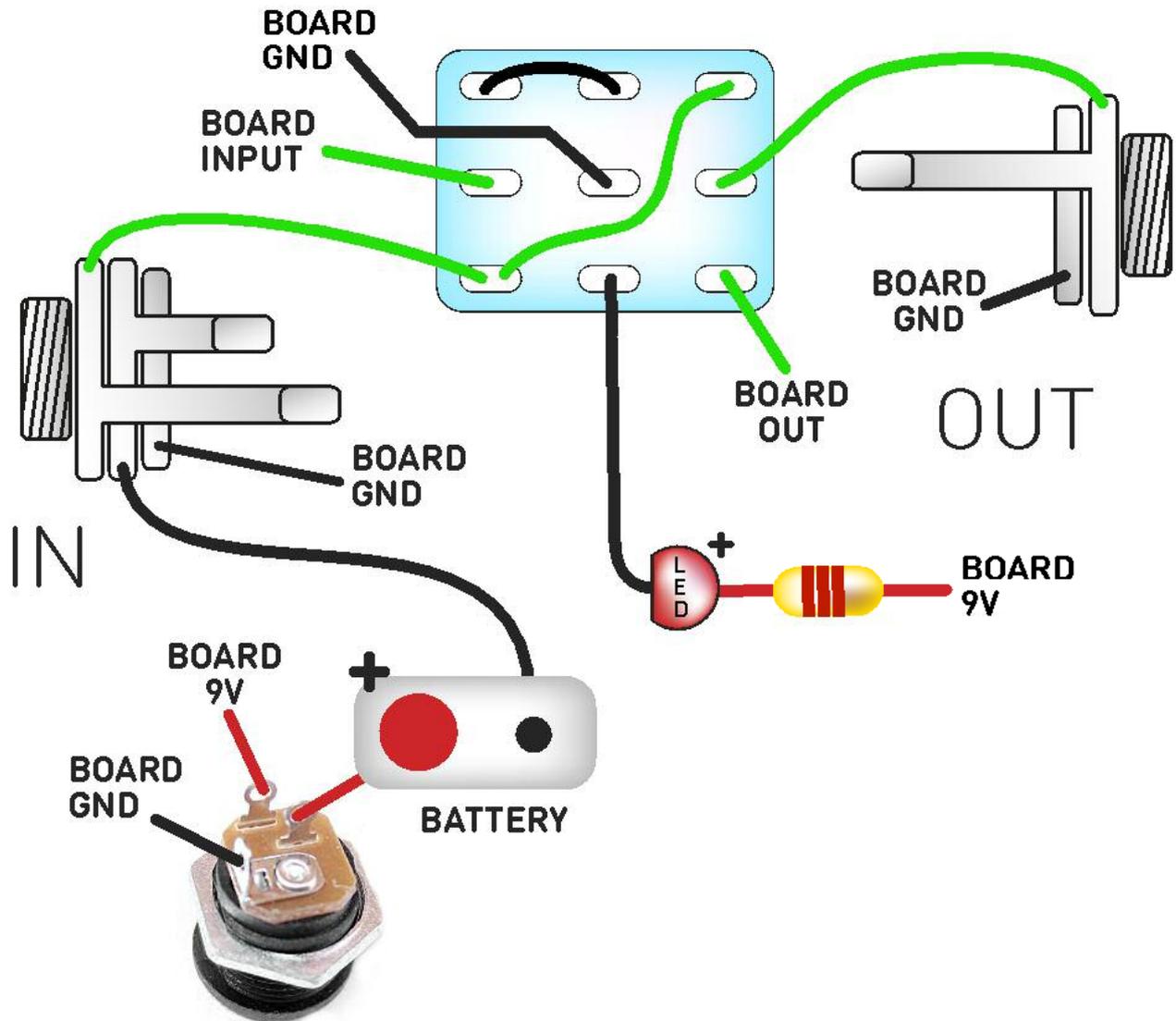


Once you've finished the circuit it makes sense to test it before starting on the switch and LED wiring. It'll cut down troubleshooting time in the long run. If the circuit works at this stage, but it doesn't once you wire up the switch - guess what? You've probably made a mistake with the switch.

Solder some nice, long lengths of wire to the board connections for 9V, GND, IN and OUT. Connect IN and OUT to the jacks as shown. Connect all the GNDs together (twist them up and add a small amount of solder to tack it). Connect the battery + lead to the 9V wire, same method. Plug in. Go!

If it works, crack on and do your switch wiring. If not... aw man. At least you know the problem is with the circuit. Find out why, get it working, THEN worry about the switch etc.

# Wire it up



The Board GND connections don't all have to directly attach to the board. You can run a couple of wires from the DC connector, one to the board, another to the IN jack, then daisy chain that over to the OUT jack.

It doesn't matter how they all connect, as long as they do.

This circuit is standard, Negative GND. Your power supply should be Tip Negative / Sleeve Positive. That's the same as your standard pedals (Boss etc), and you can safely daisy-chain your supply to this pedal. Now... GO GET FUZZY!

# PedalParts.co.uk