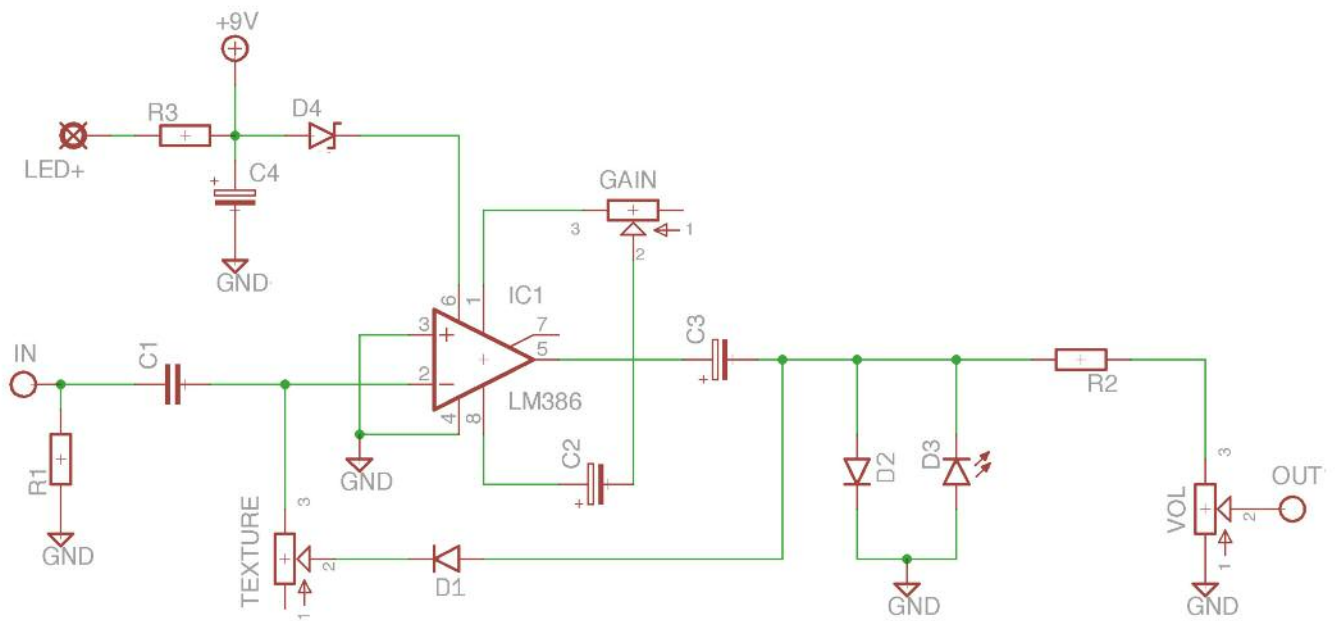


Finger of Fuzz

The much lamented
Fingerprint Overdrive

PedalParts.co.uk

Schematic

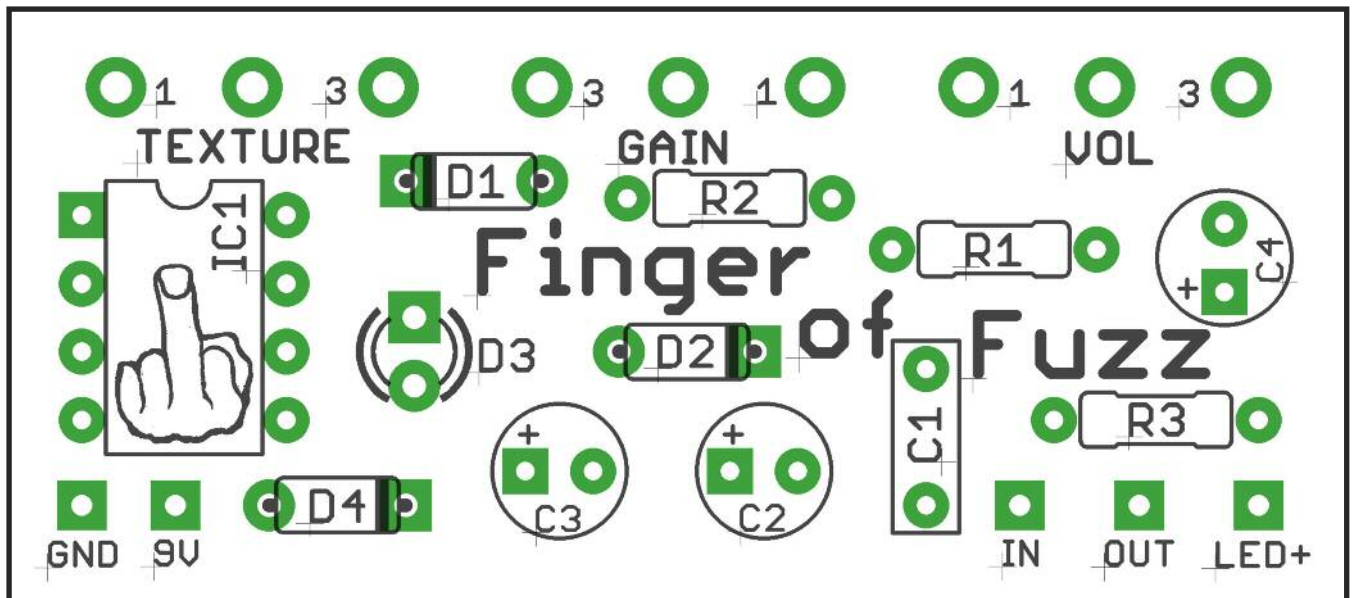


BOM

R1	1M5	C1	180n
R2	47K	C2-4	100u electrolytic
R3	2K2 (CLR)	IC	LM386*
D1-2	1N4148	GAIN	1KB
D3**	3mm blue clear superbright LED	TEXTURE	500KC (or B)
D4	9.1V zenner	VOL	10KB

*Original used NJM386, but any can be used. Slightly different tone may be achieved depending on which chip you use.

** Pic shows red LED in D3. I just didn't have the clear blue to hand when I built the first test circuit.



The PCB is designed to have the pots mounted directly to it. You can use wire if you like - simply connect the board pads to the corresponding pins on the pots.

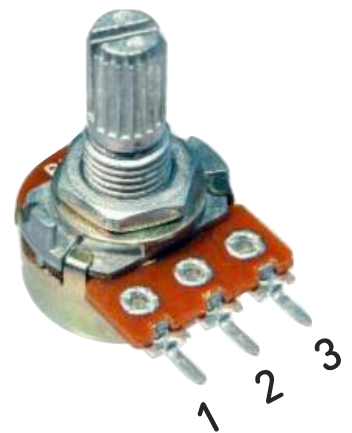
Texture and Vol go on the back side of the PCB, Gain on the same side as the components.

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

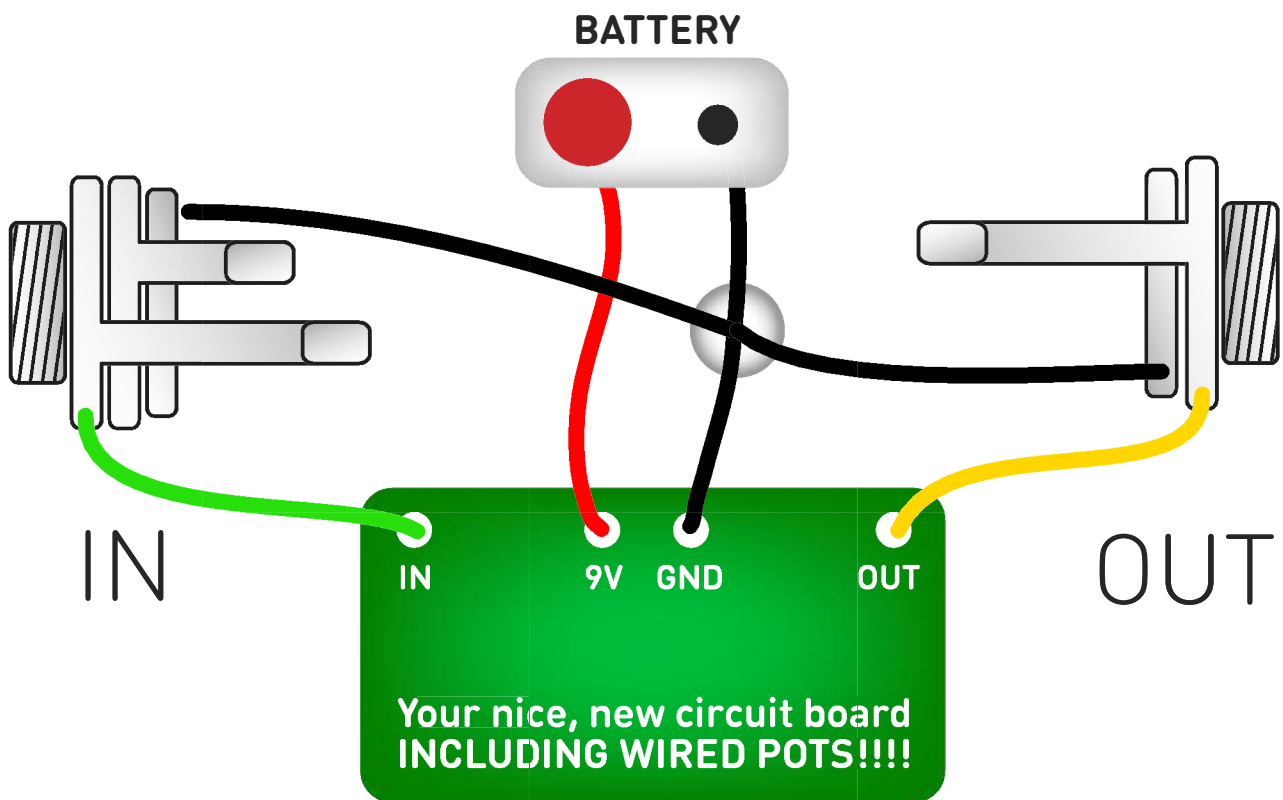
Snap the little metal tag off the pots to mount them flush in the box.

Diodes do NOT like heat. Be very careful when soldering them, and don't leave the iron on them for more than a couple of seconds. Using a heatsink (self-closing tweezers, crocodile clip) on the leg you're soldering will help avoid frying them. Same goes for the LED (D3).

The Texture control adds negative feedback to the IC, resulting in more intense fuzziness. Things start to get glitchy when cranked. Very nice.



Test the board!

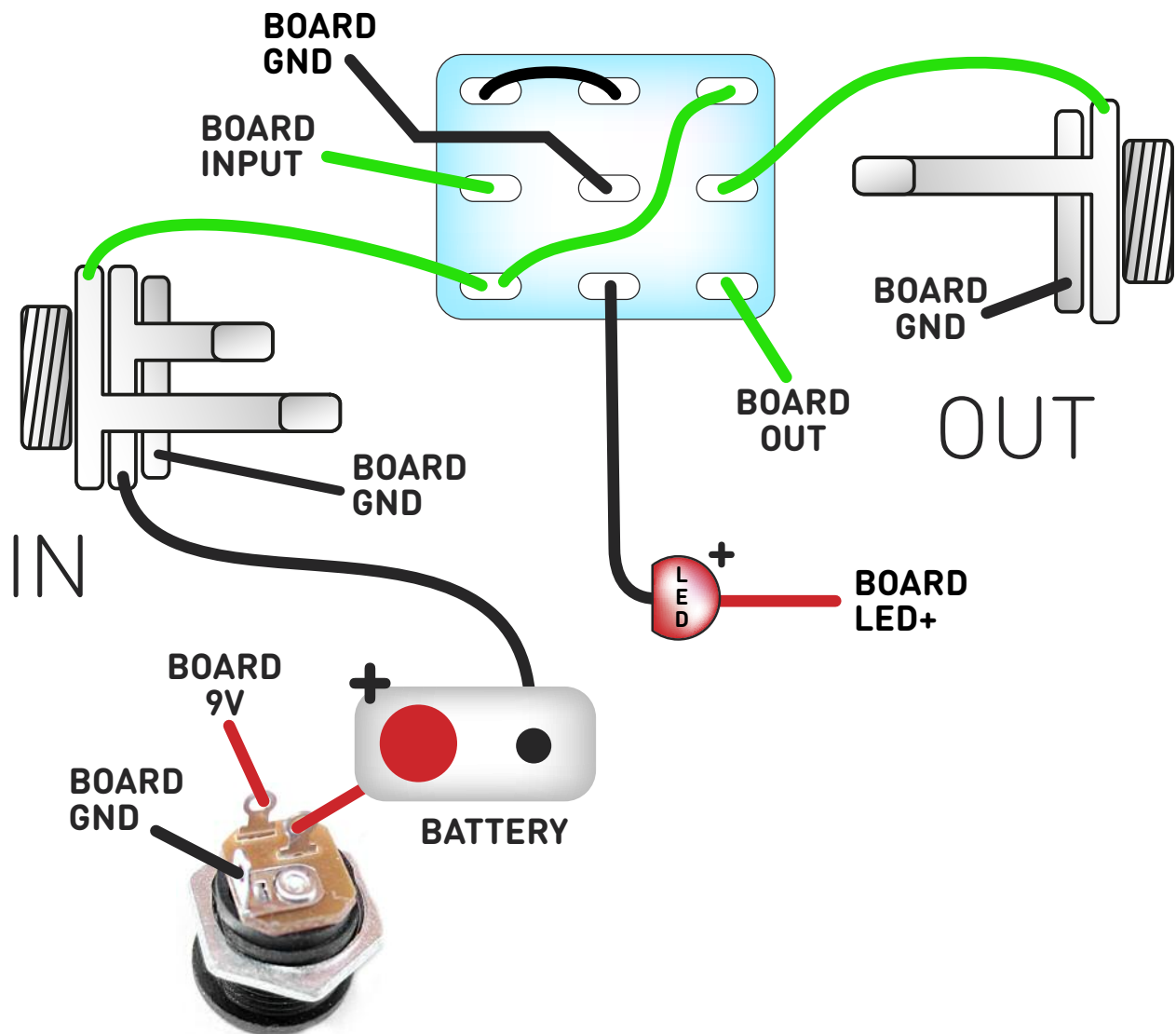


Once you've finished the circuit it makes sense to test it before starting on the switch and LED wiring. It'll cut down troubleshooting time in the long run. If the circuit works at this stage, but it doesn't once you wire up the switch - guess what? You've probably made a mistake with the switch.

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... get Fingering that Fuzz!

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