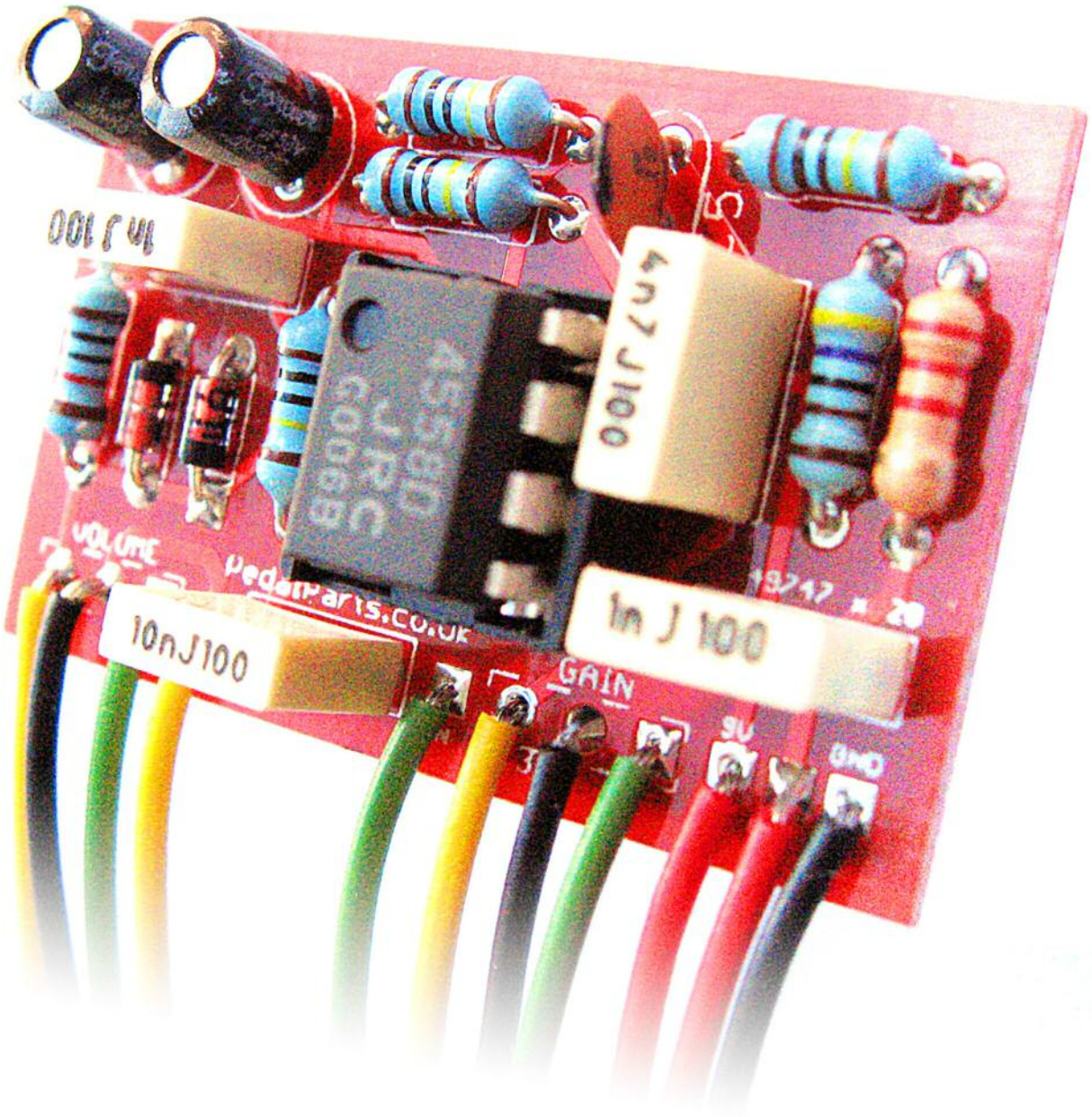

Toxic Minx

Distortion.... plus

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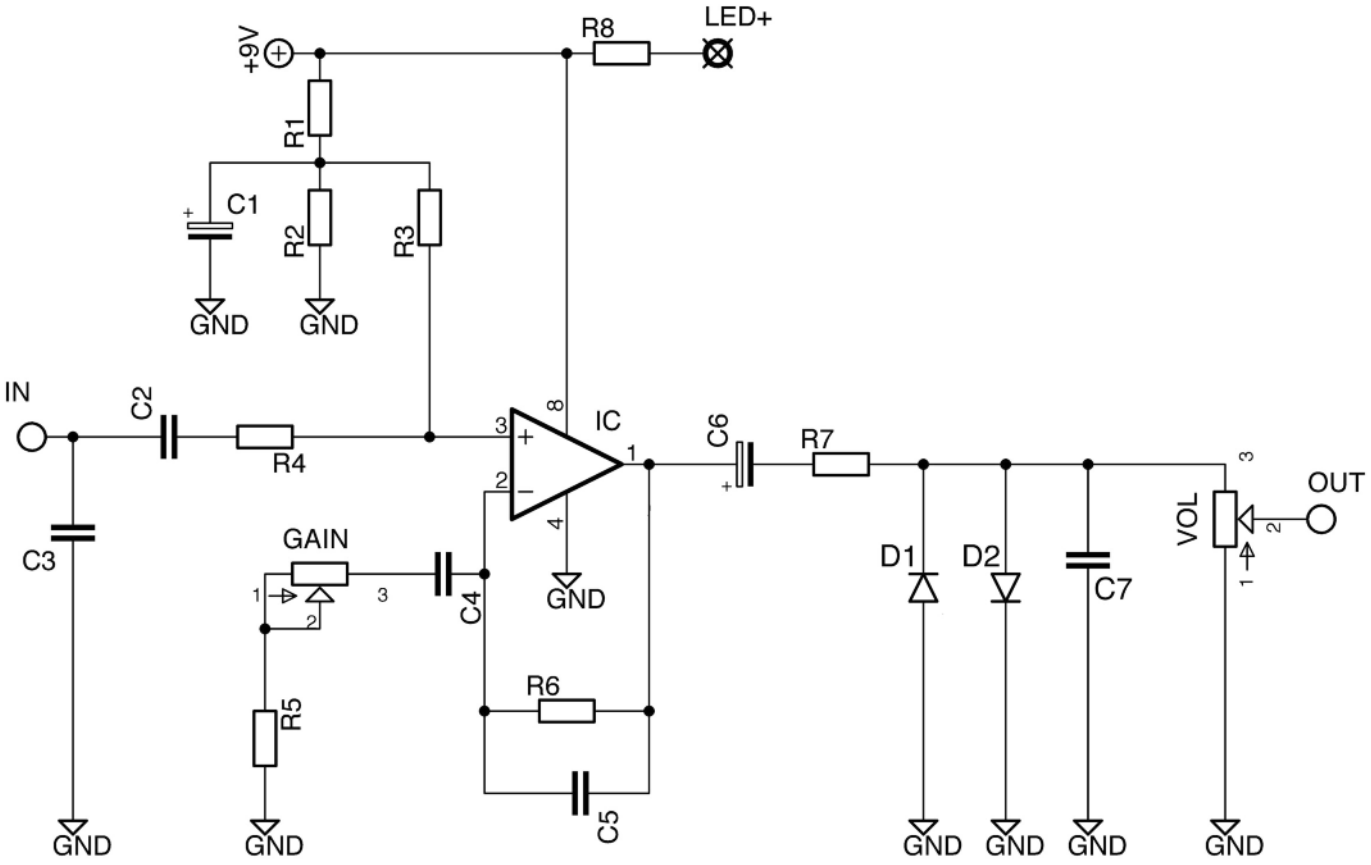
Schematic



BOM

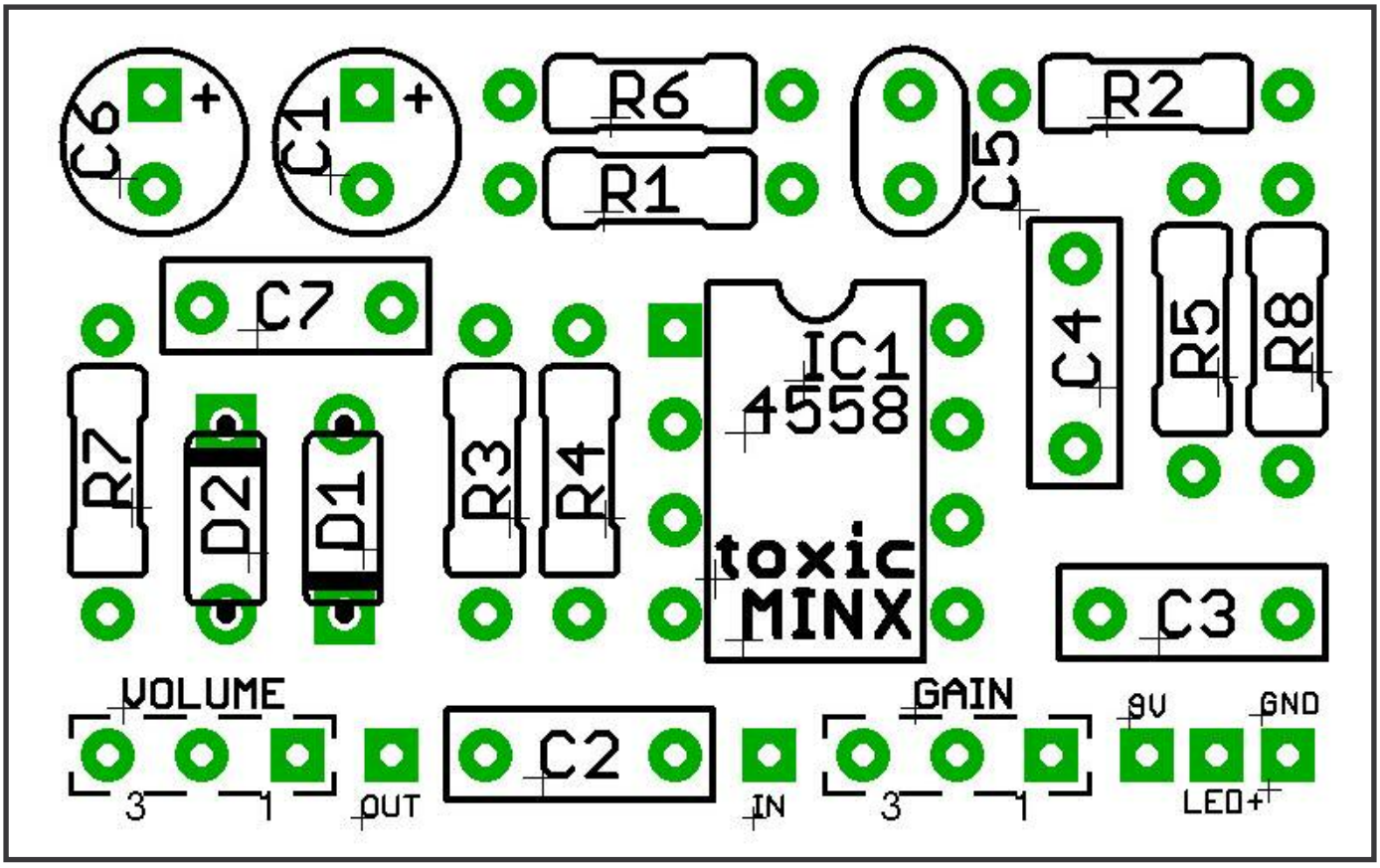
R1	1M				
R2	1M	C1	1u	IC	4558
R3	1M	C2	10n		
R4	10K	C3	1n	D1,2	1N4148
R5	4K7	C4	47n		or 1N60P
R6	1M	C5	10p		
R7	10K	C6	1u tant	GAIN	1MA*
R8	2K2 (CLR)	C7	1n	VOL	100KA

*500KC supplied with kit. The gain sweep with the original pot is rubbish.

Use 1N4148 for harder, buzzier sound

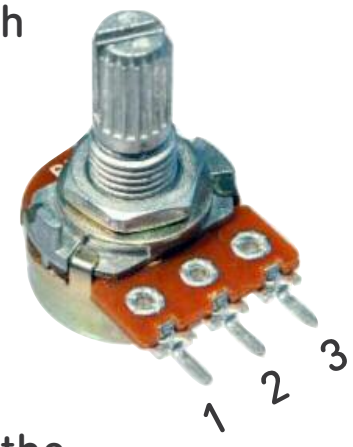
Use 1N60P for a softer tone

NOTE: the image on the front page doesn't have the tantalum cap -
I didn't have any when I did the test build. It also shows a 4n7 instead of a 47n. Doh!
No wonder it sounded thin at first.



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

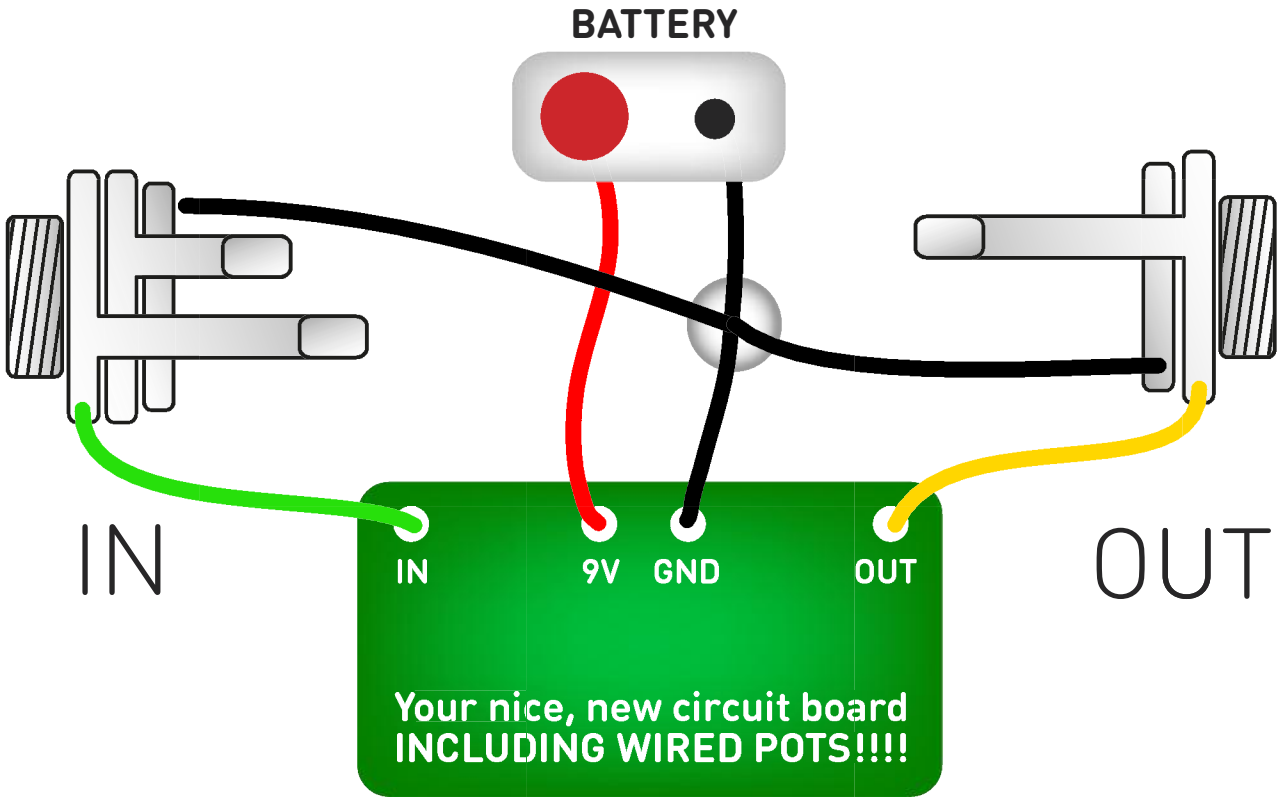
Snap the little metal tag off the pot to mount it flush in the box.



You MUST use some kind of heat sink on the legs of the diodes when soldering. They aren't keen on heat. Any more than a couple of seconds of iron and they're toast.

I've incorporated the Current Limiting Resistor for the LED into the board for your pleasure.

Test the board!

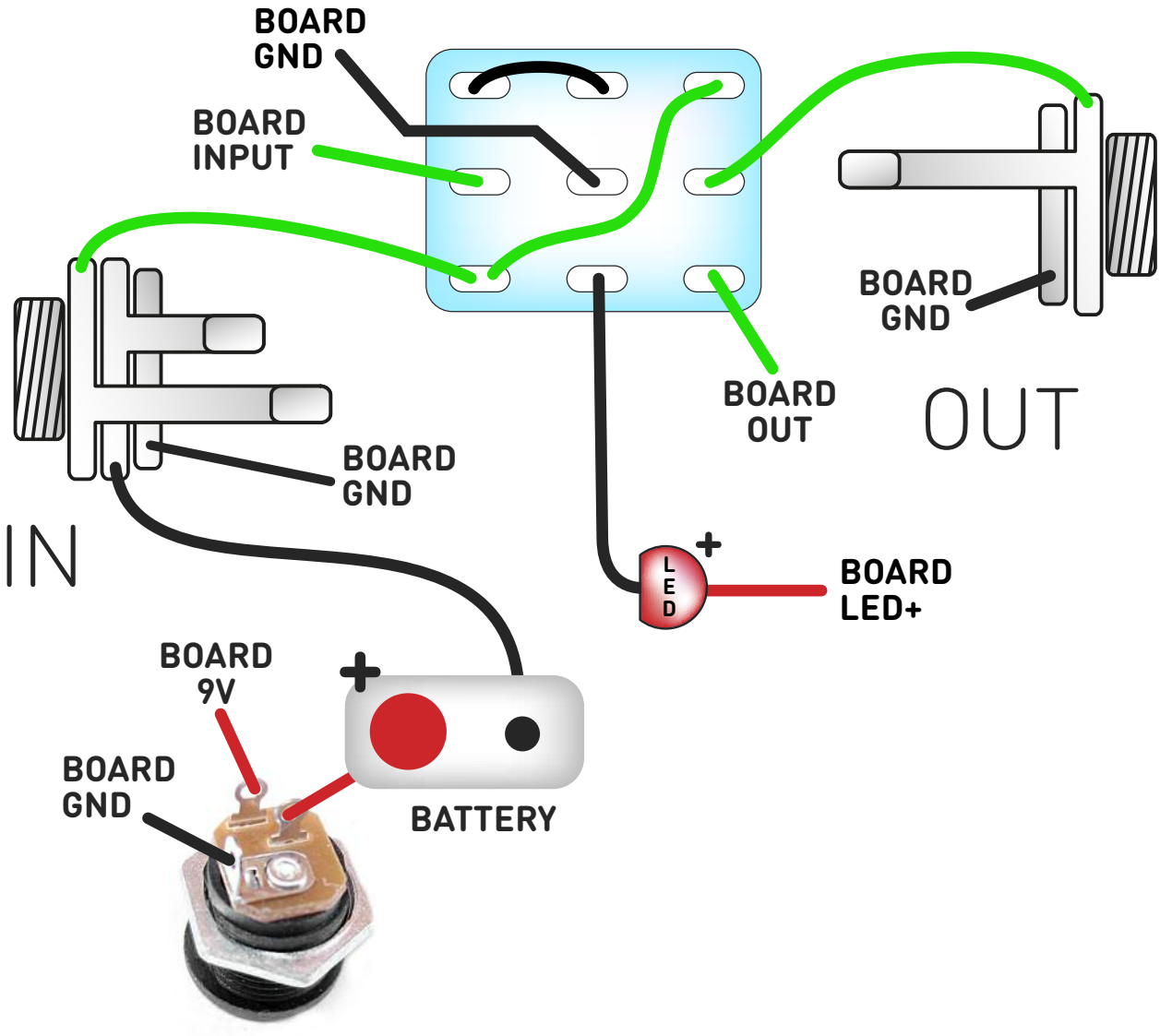


Once you've finished the circuit it makes sense to test is before starting on the switch and LED wiring. It'll cut down troubleshooting time in the long run. If the circuit works at this stage, but it doesn't once you wire up the switch - guess what? You've probably made a mistake with the switch.

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!

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