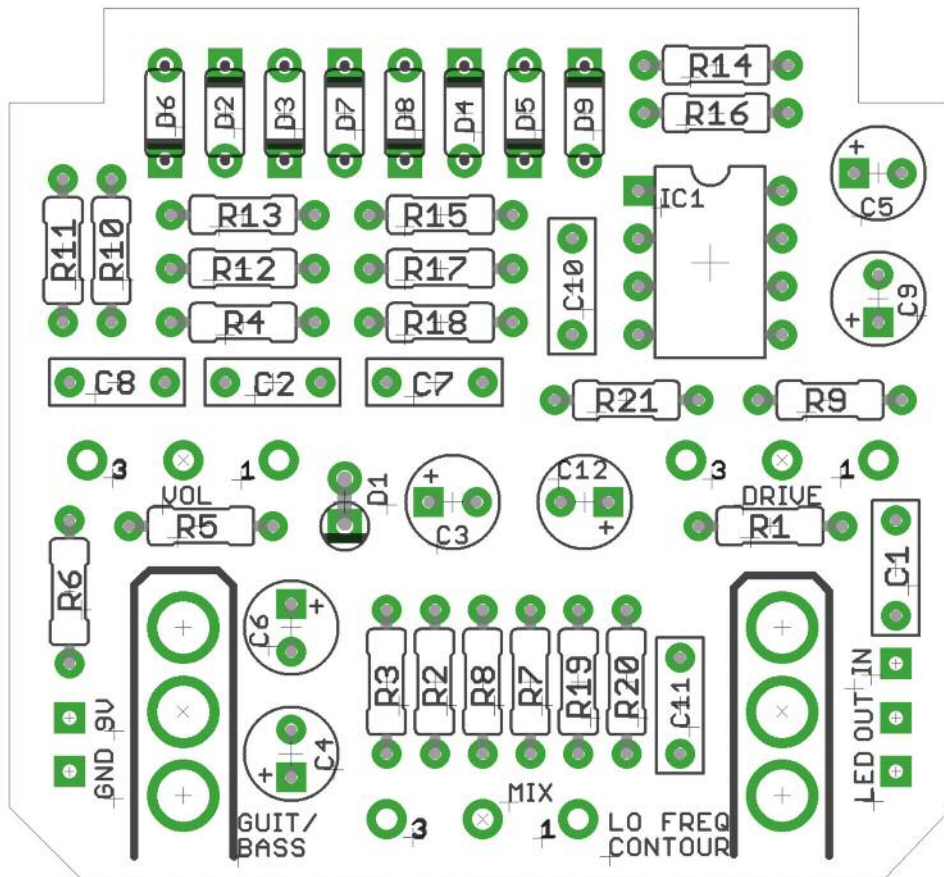


Dirt Dessert

Clone of a nice boutique
Harmonic Intermodulation
Generator dirtbox

PedalParts.co.uk



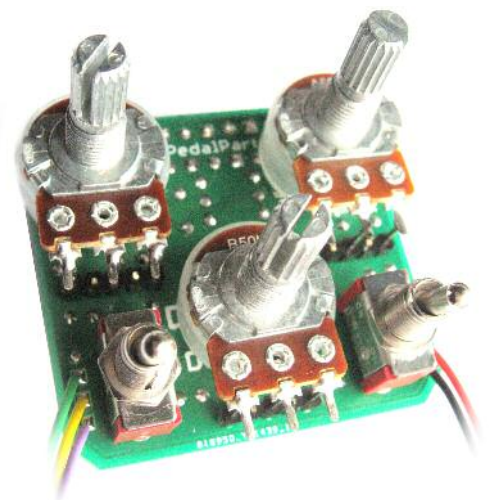
The PCB is designed to have the toggle switches mounted directly to it. You can use wire if you like - simply connect the board pads to the corresponding pins on the switches.

The pot pads are positioned so you can mount them using header pins or 'cheating verticals' using snipped component legs - see pic below. Again, they can be wired normally if you prefer.

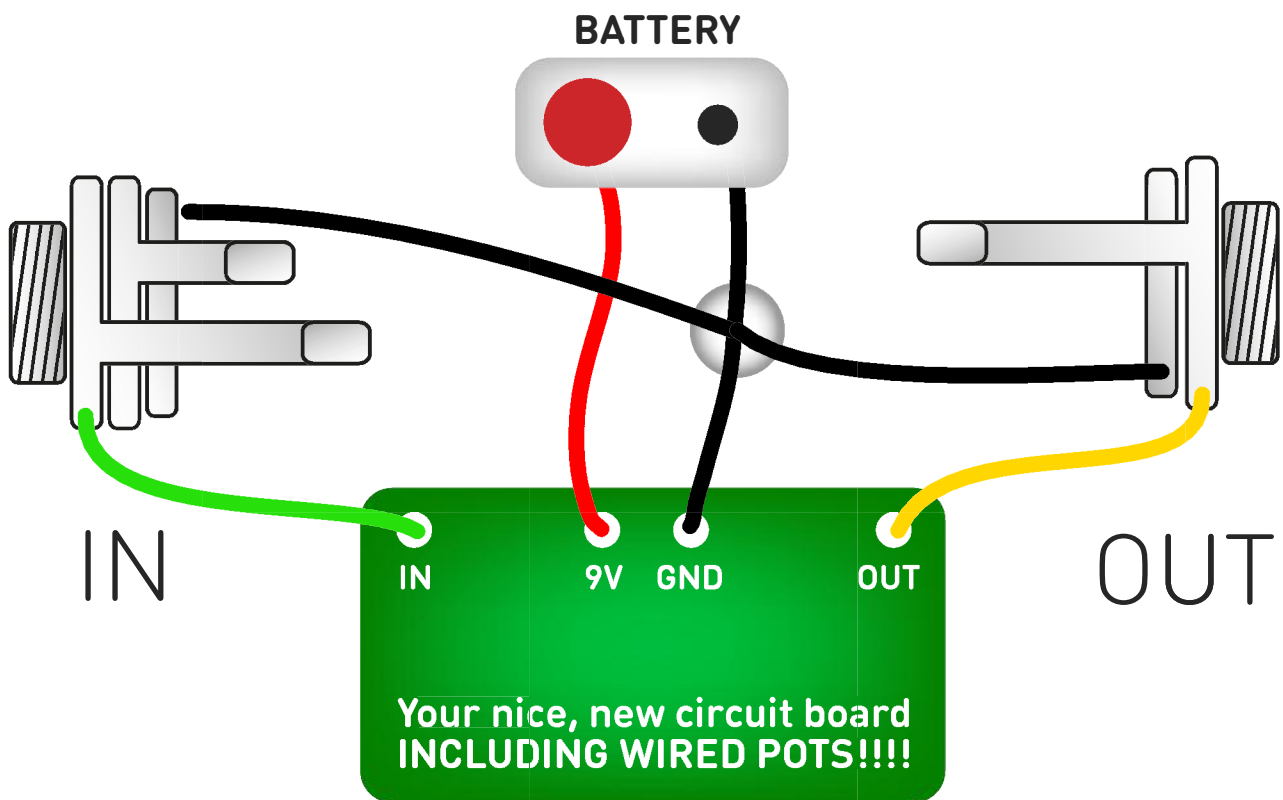
Snap the little metal tag off the pots to mount them flush in the box.

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.

If you're mounting the pots to the board as shown below, be aware that they need to be soldered at the same height as the switches. The best way to do this is to solder the switches in place, then add the hardware that sits on them inside the box (1 nut, 1 washer). Solder your headers or component legs into the pot pads. Get your enclosure face-up and place your pots shaft-down into the holes. Drop the board into place above them with the switches located in their holes. Your headers/legs should line up with the pot pins. Solder one pin of each pot, take the whole thing out of the box and solder the rest.



Test the board!

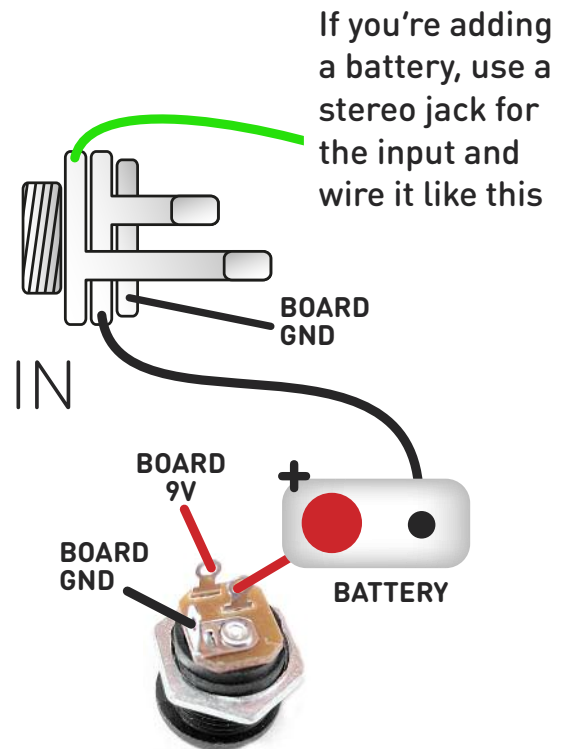
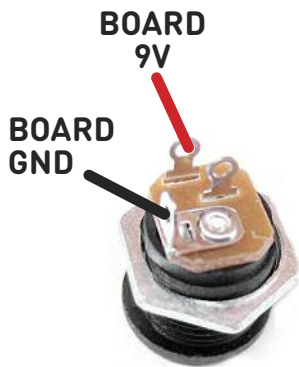
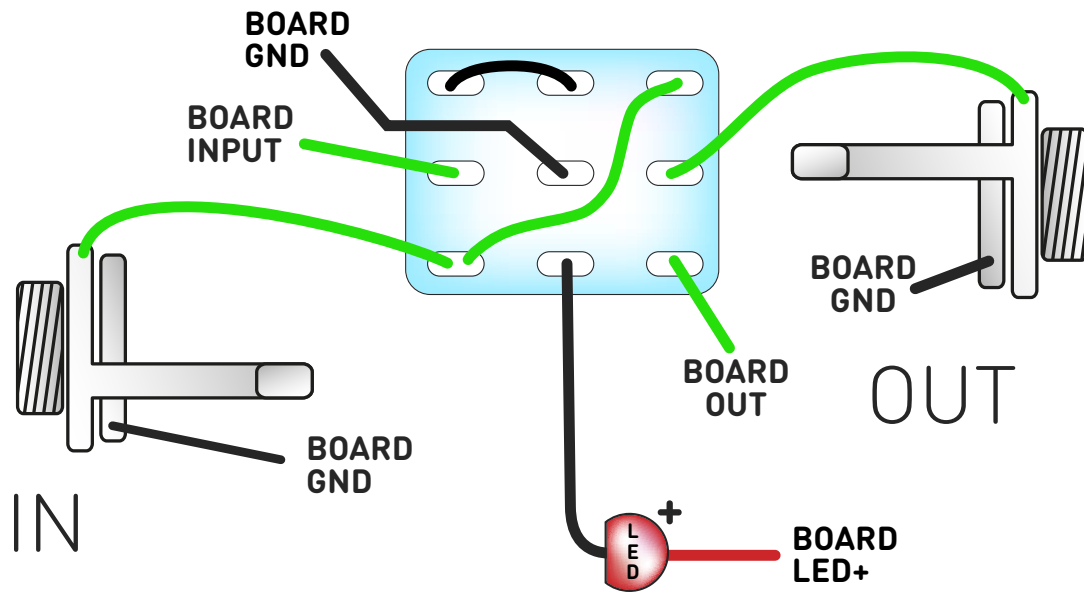


Once you've finished the circuit it makes sense to test it before starting on the switch and LED wiring. It'll cut down troubleshooting time in the long run. If the circuit works at this stage, but it doesn't once you wire up the switch - guess what? You've probably made a mistake with the switch.

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... intermodulate those harmonics!

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