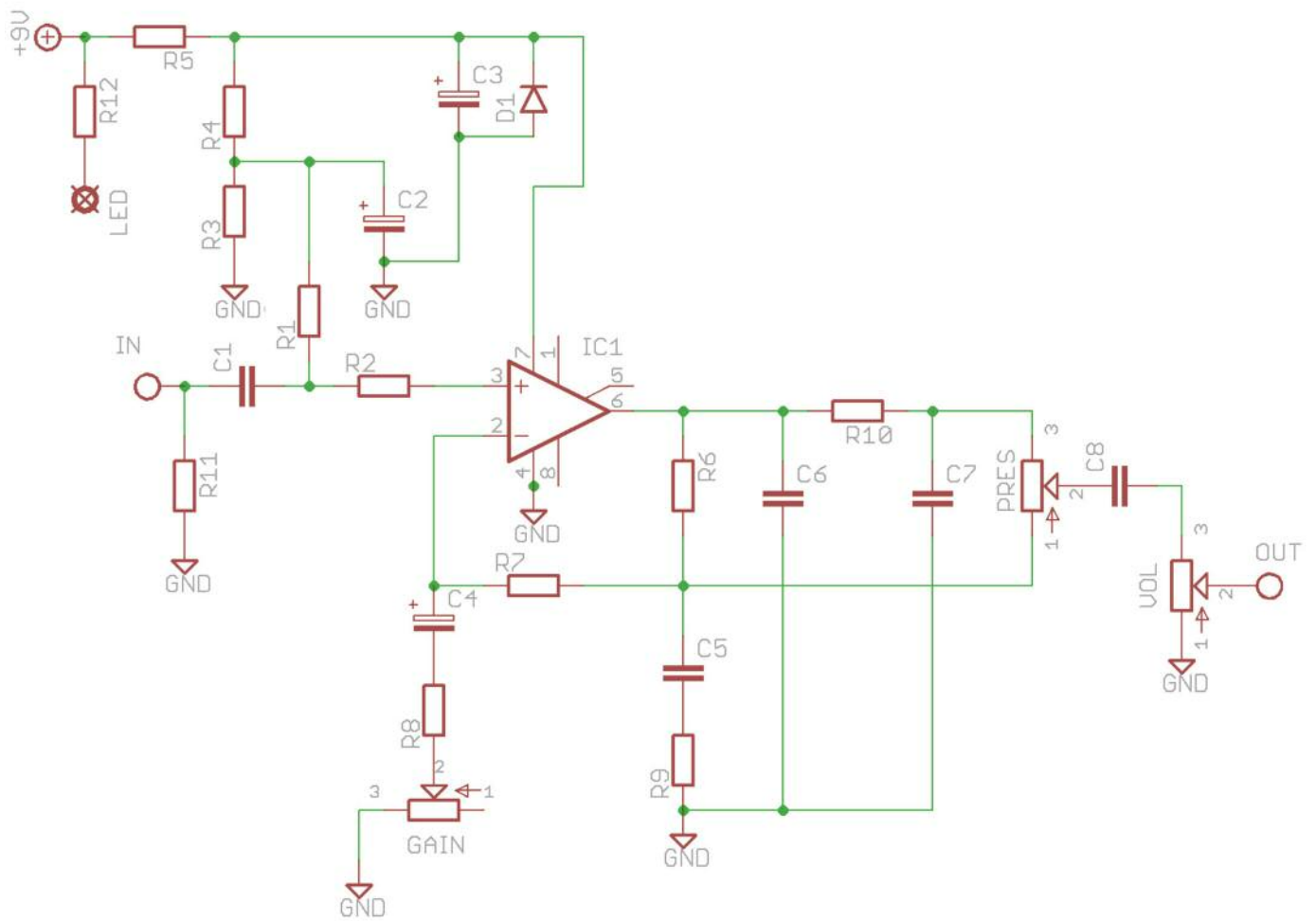


Chilly Biscuit

Dynamic, pick-responsive
distortion loveliness

PedalParts.co.uk

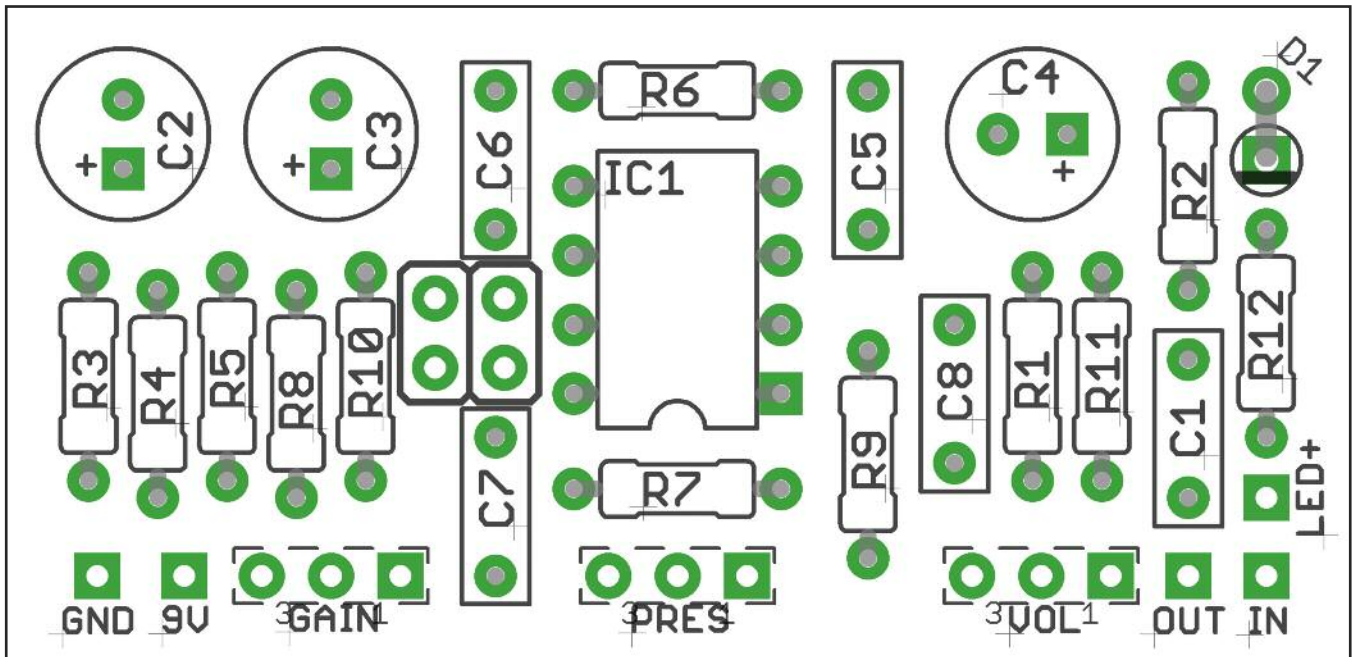
Schematic



BOM

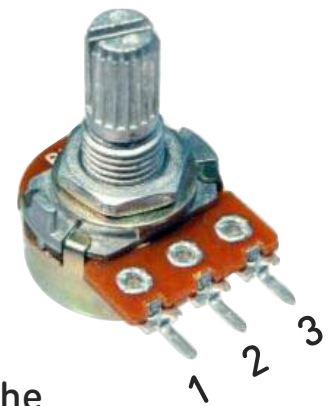
R1	1M	C1	10n	D1	8.2V zener
R2	10K	C2	10u elec	IC1	741 / 071*
R3	100K	C3	100u elec	GAIN	50KC
R4	82K	C4	10u elec	PRES	50KB
R5	220R	C5	82n	VOL	50KA
R6	10K	C6	470p		
R7	100K	C7	10n		
R8	220R	C8	47n		
R9	1K				
R10	10K				
R11	1M				
R12	2K2 (CLR)				

*Both ICs have been used at various times in the pedal's history. Try them both, pick your favourite.



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

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

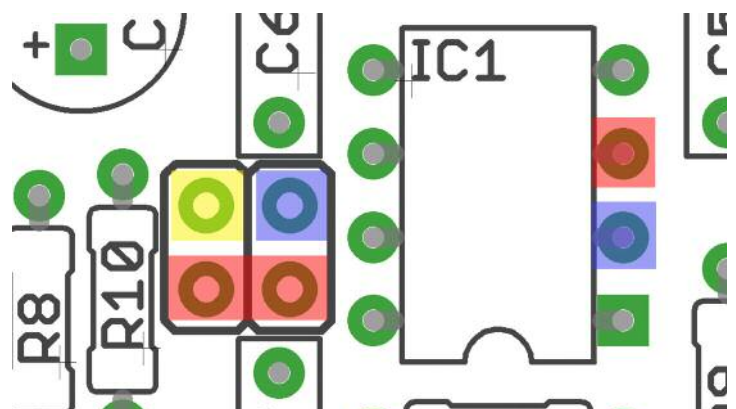


I've incorporated the Current Limiting Resistor for the LED into the board for your pleasure.

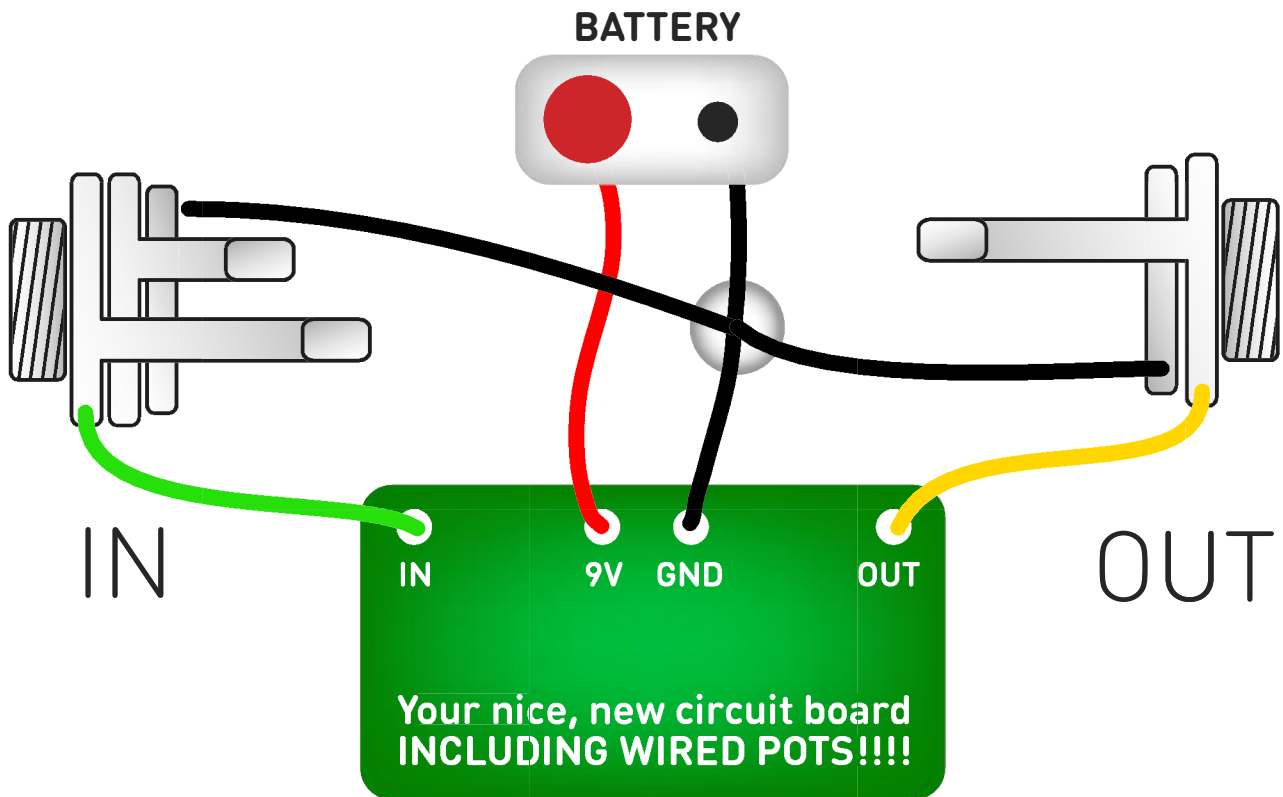
Pads have been included for a possible 'blues' mod.

Since very little information was available and it is unverified, the parts are not included to make the modification. It involves adding diodes in the two places shown below. The colours indicate which pads are connected to which.

- Red - connected to IC pin 3.
- Blue - connected to IC pin 2.
- Yellow - connected to GND.



Test the board!

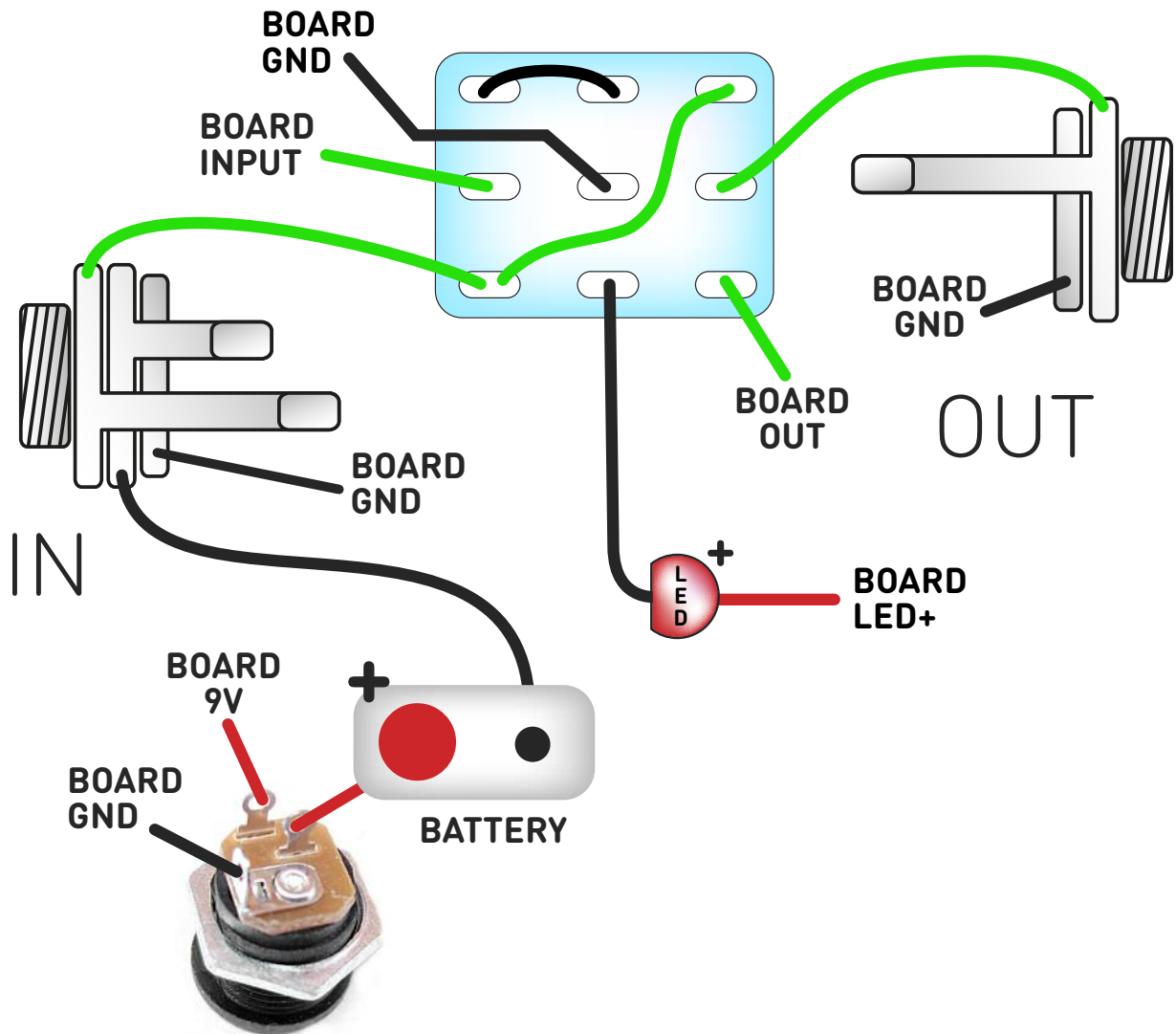


Once you've finished the circuit it makes sense to test it before starting on the switch and LED wiring. It'll cut down troubleshooting time in the long run. If the circuit works at this stage, but it doesn't once you wire up the switch - guess what? You've probably made a mistake with the switch.

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... crank those biscuits!

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