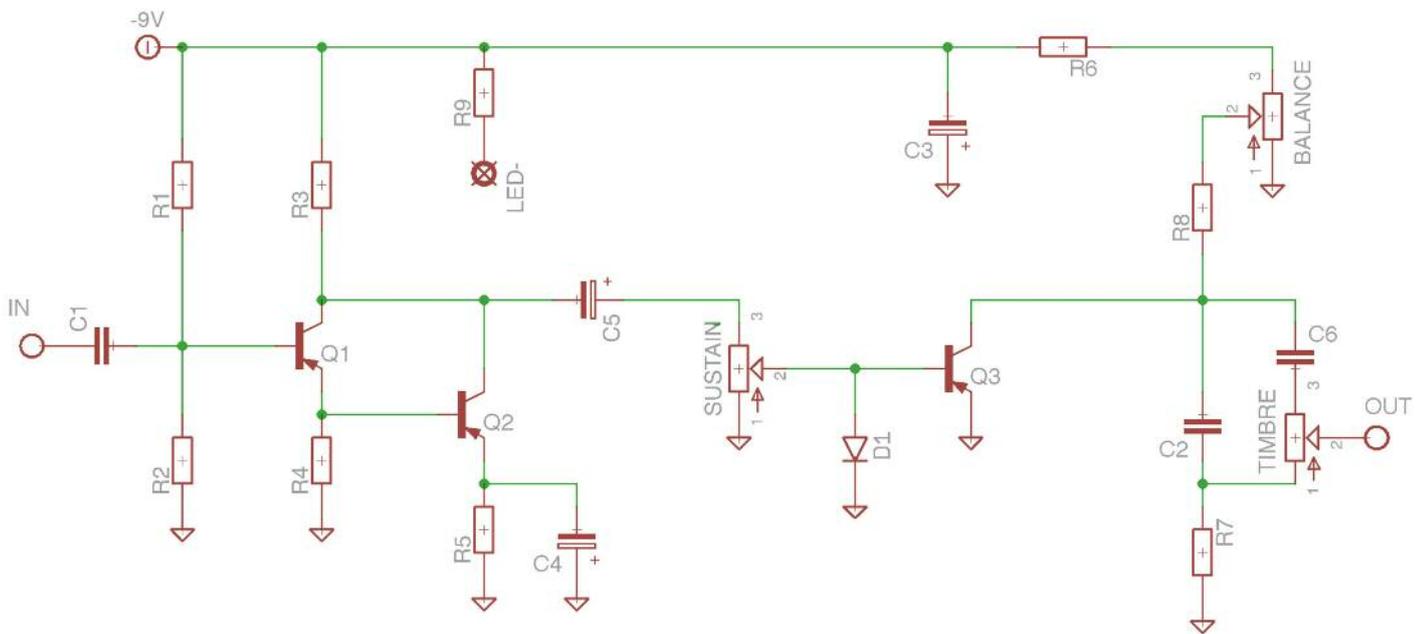


BuzzAround

Balwin/Burns Ge Fuzz Fun

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Schematic



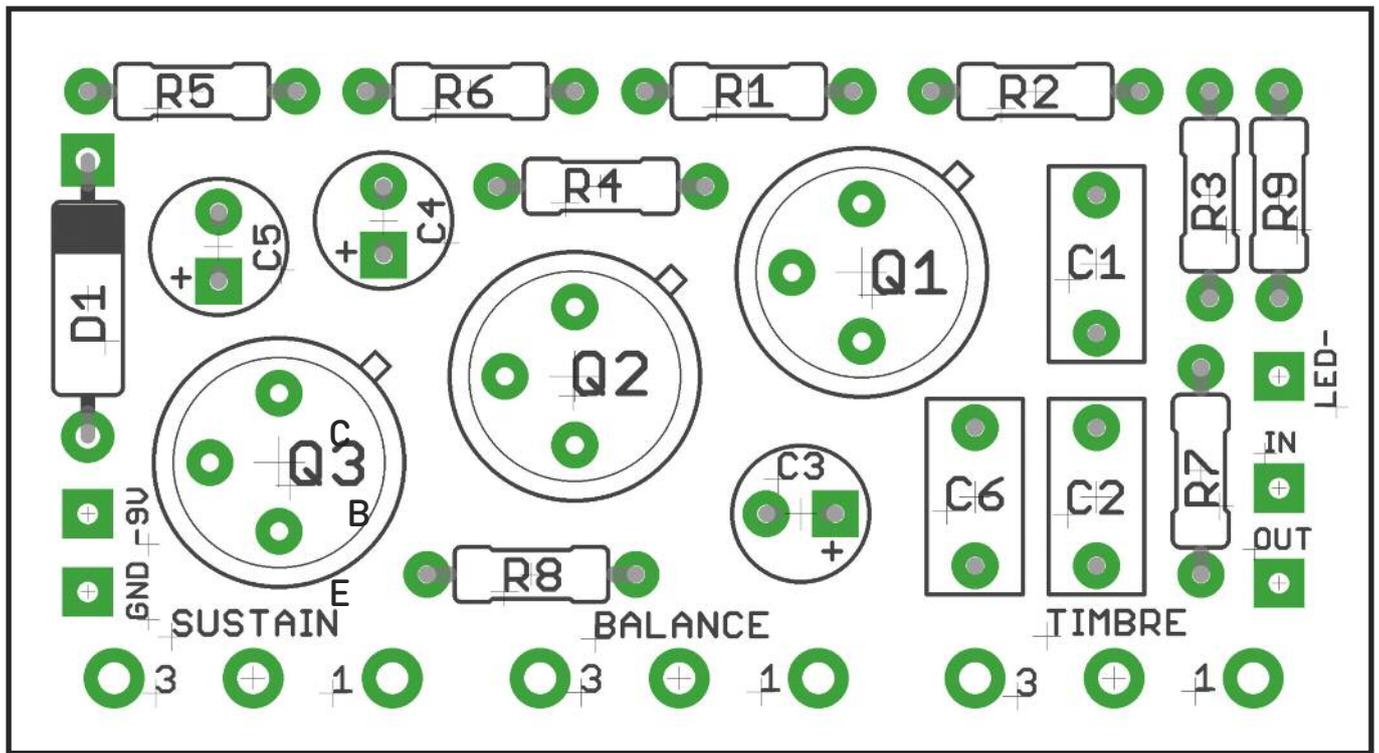
BOM

R1	470K	C1	100n		
R2	100K	C2	1n		
R3	10K	C3	100u		
R4	10K	C4	4u7	Q1,2,3	PNP Ge**
R5	3K3	C5	4u7	SUST	100KB
R6	27K	C6	100n	BAL	5KB
R7	10K	D1	Ge*	TIMB	100KB
R8	15K				
R9	2K2 (CLR)				

*Diode supplied with the kit is 1N34A

**Transistors supplied will be AC128 or AC125

This is a positive-ground circuit, so should not be daisy chained with 'normal' polarity pedals on your power supply.



GOOF ALERT!!!

BALANCE pot is reversed - sorry about that.

Connect PCB Pad 3 to Pot Pin 1, PCB Pad 1 to Pot Pin 3

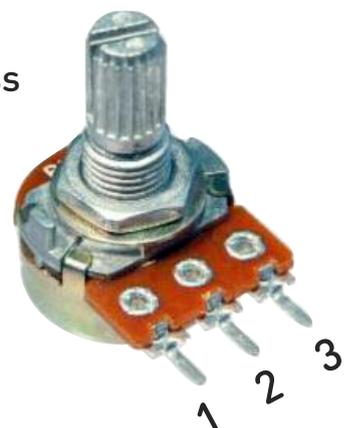
The wires for OUT, IN, 9V and GND can be connected on either side of the board, depending how you want to route the wiring. The pads are connected to both sides of the PCB.

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

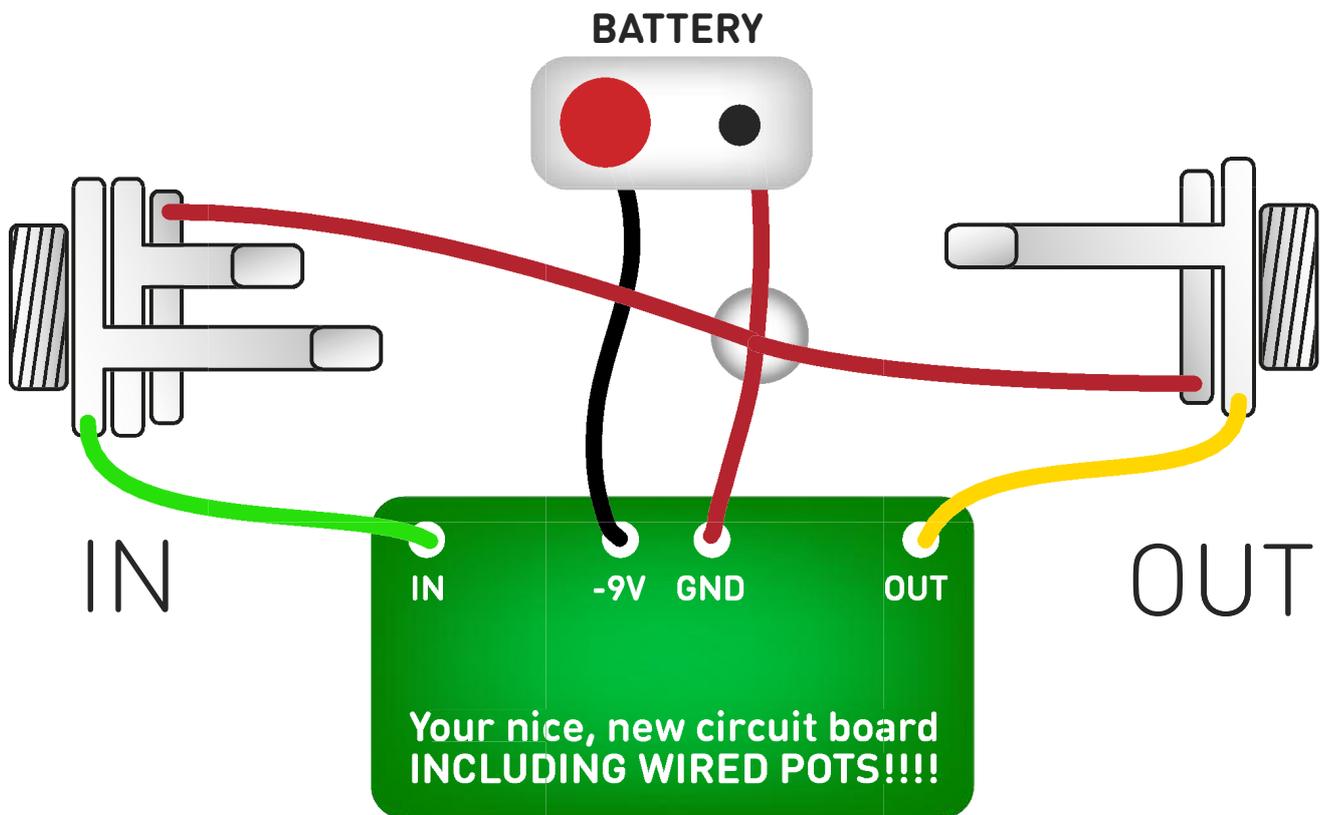
Snap the little metal tag off the pot to mount it flush in the box.

You should use some kind of heat sink on the legs of the transistors and on the diode when soldering. They aren't keen on heat. Any more than 3-4 seconds of iron and they're toast. A crocodile clip or self-closing tweezers will do very nicely.

Be VERY careful when bending the legs of the 1N34A. The glass case is very fragile and likely to break. Best to hold the leg with some needle-nosed pliers against the case, and bend the leg with your finger so the pliers are taking any strain away from the diode.



Test the board!

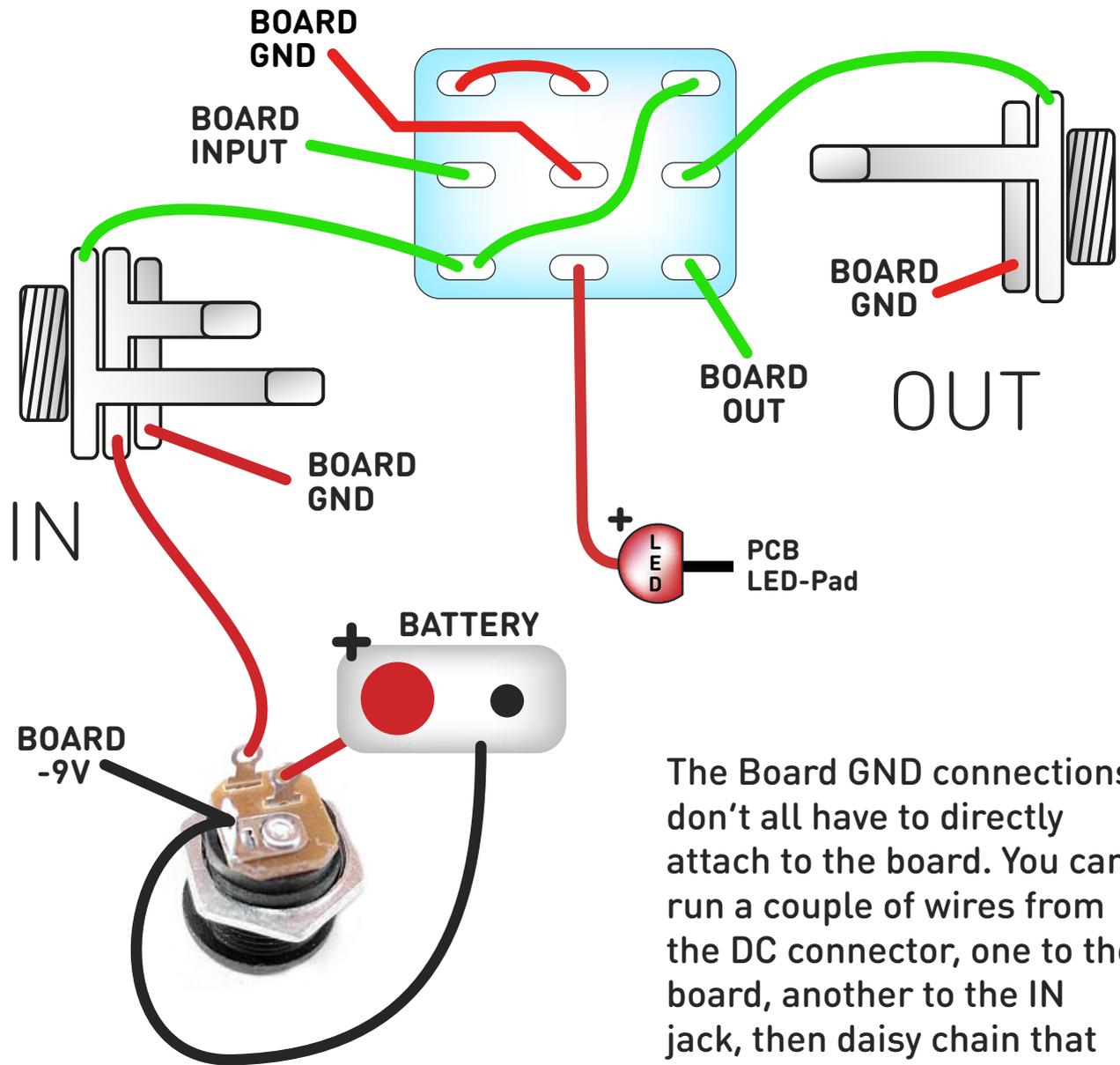


Once you've finished the circuit it makes sense to test it before starting on the switch and LED wiring. It'll cut down troubleshooting time in the long run. If the circuit works at this stage, but it doesn't once you wire up the switch - guess what? You've probably made a mistake with the switch.

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.

Switch wiring



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 non-standard, Positive GND. Your power supply should be Tip Negative / Sleeve Positive, but strange things happen when the juice hits the circuit. **DO NOT daisy-chain your supply to this pedal with normal, negative ground pedals.** Bad things WILL happen.

Now... GO GET BUZZY!

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