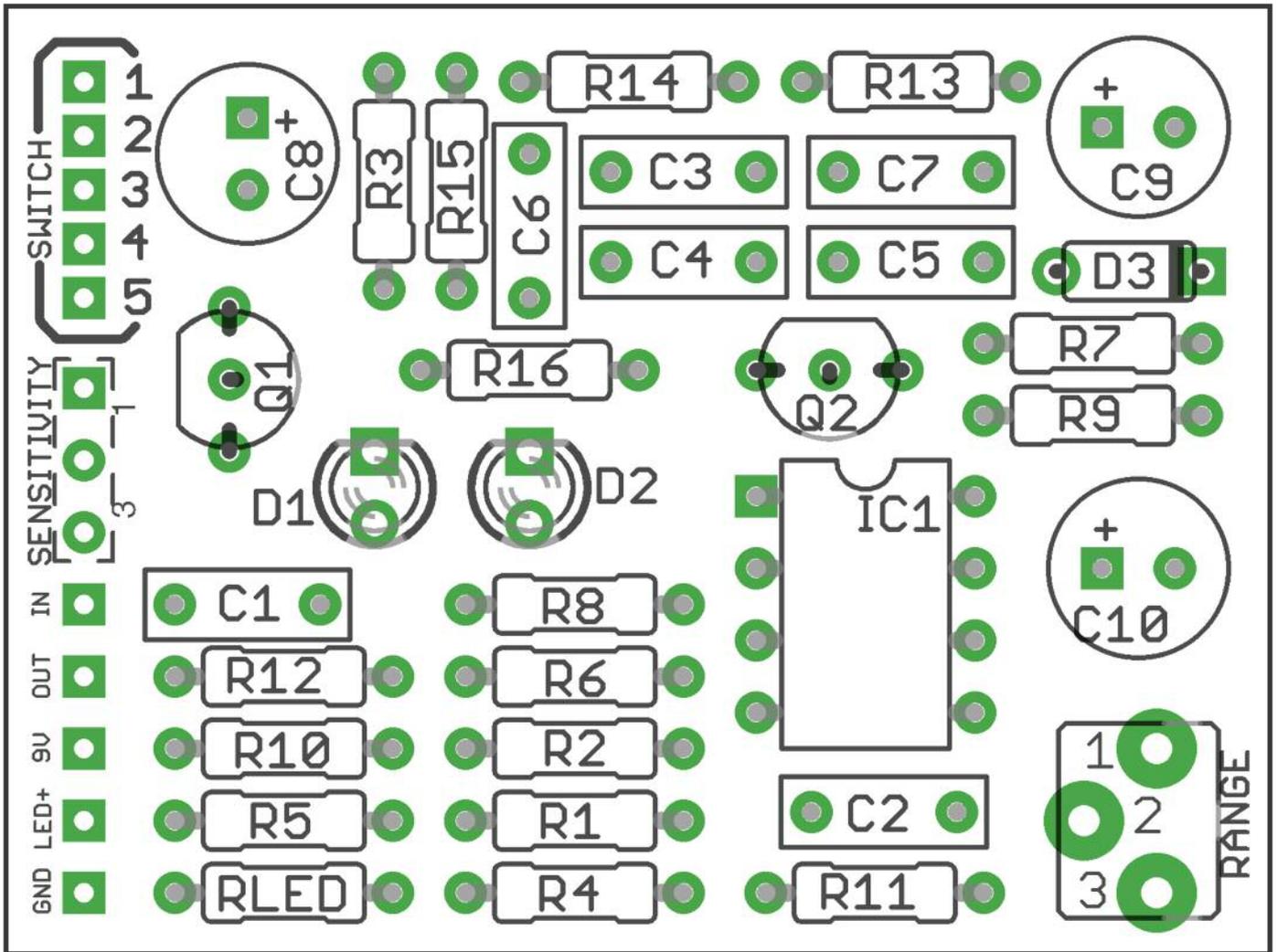


Quack Machine

Dr Quack
Auto Envelope Filter

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**** Reverse Sensitivity pot connections - 1 goes to board 3 and vice versa ****

Board is designed for a preset variable resistor in the Range position, but you can use an external pot for more control. Up to you.

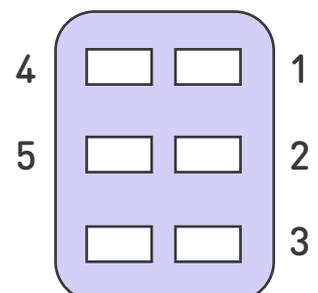
Wiring shown overleaf will disconnect the battery when you remove the jack plug from the input, and also when a DC plug is inserted.

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

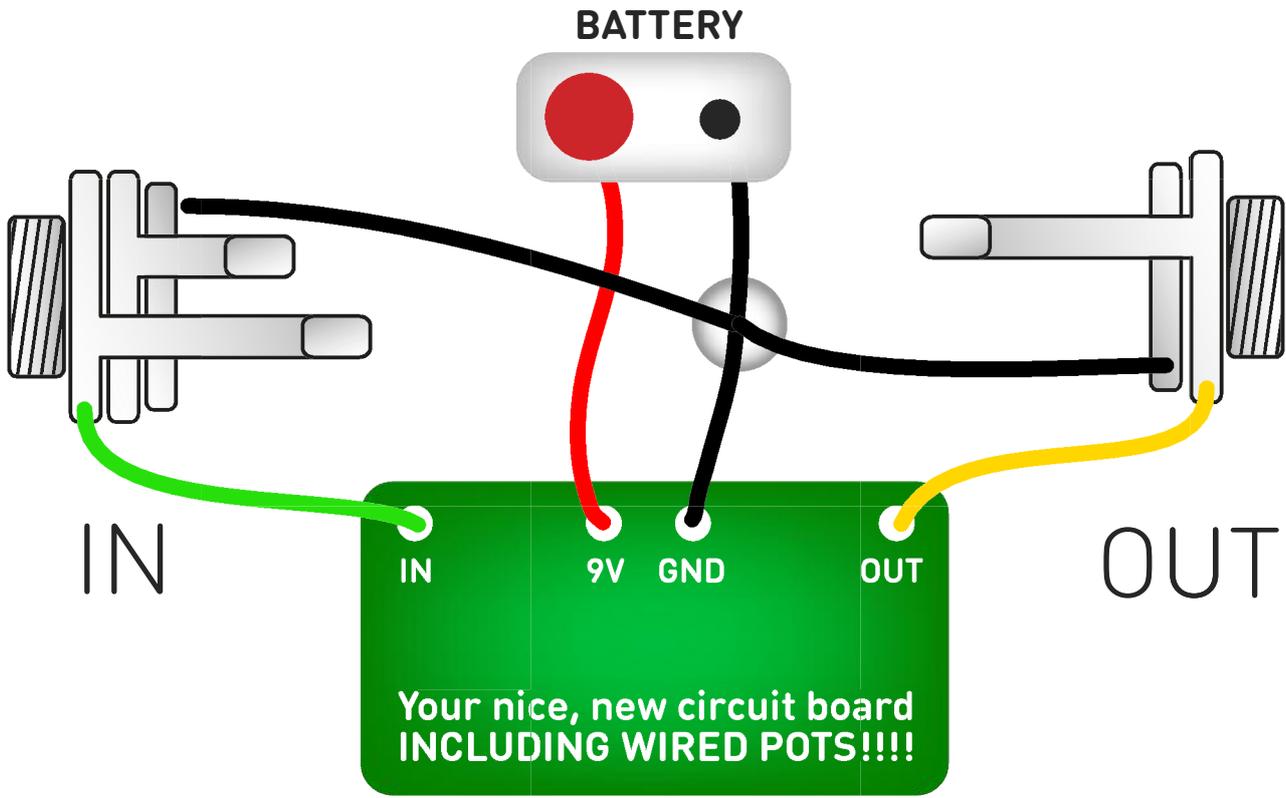
You MUST use some kind of heat sink on the legs of the LEDs, diode and the transistors when soldering. Also be very careful if you're soldering the IC directly to the board rather than using the socket. They aren't keen on heat. Any more than a couple of seconds of iron and they're toast.



Bass/Normal toggle switch numbering
(viewed from bottom) >



Test the board!

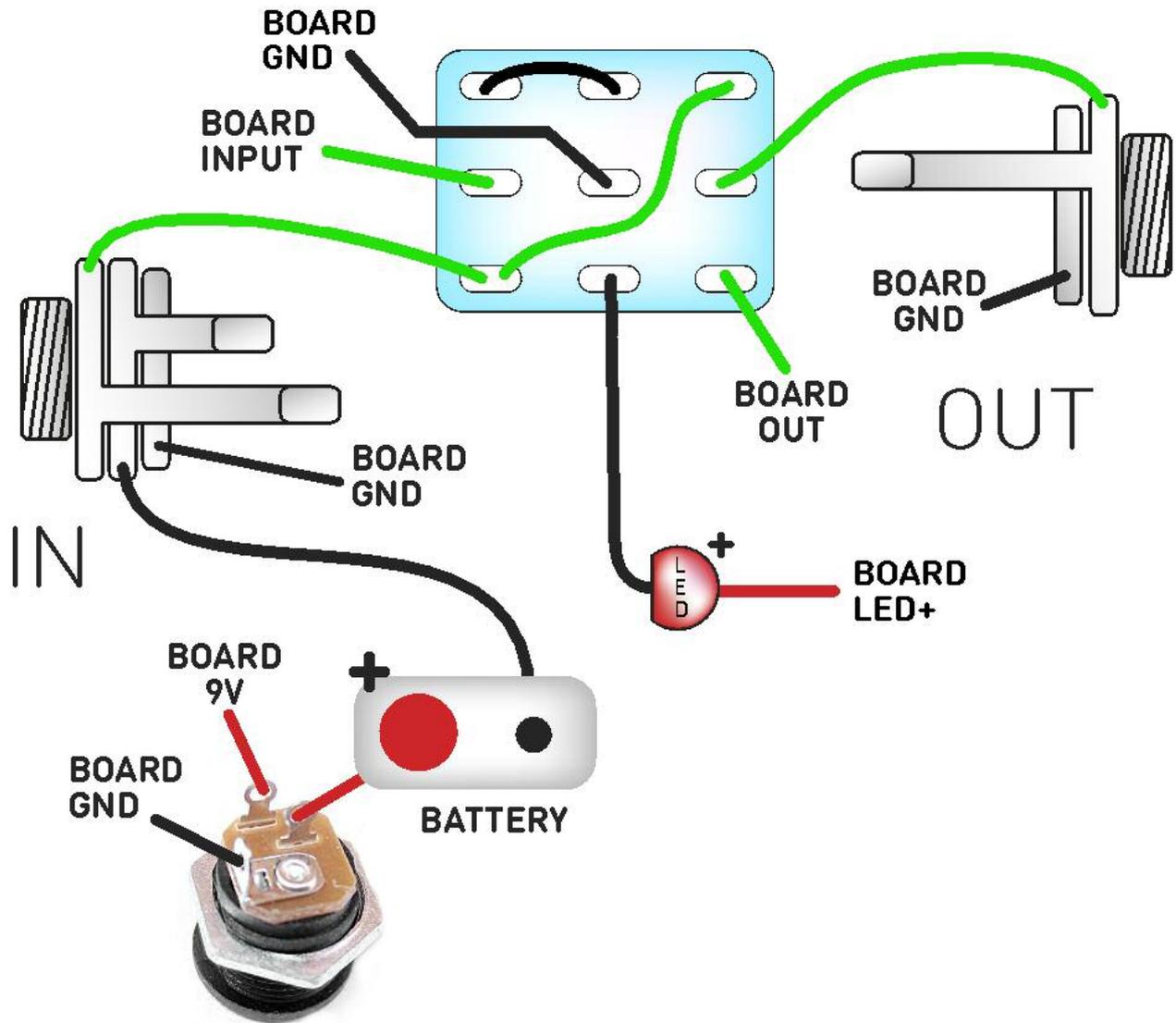


Once you've finished the circuit it makes sense to test it before starting on the switch and LED wiring. It'll cut down troubleshooting time in the long run. If the circuit works at this stage, but it doesn't once you wire up the switch - guess what? You've probably made a mistake with the switch.

Solder some nice, long lengths of wire to the board connections for 9V, GND, IN, 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.

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