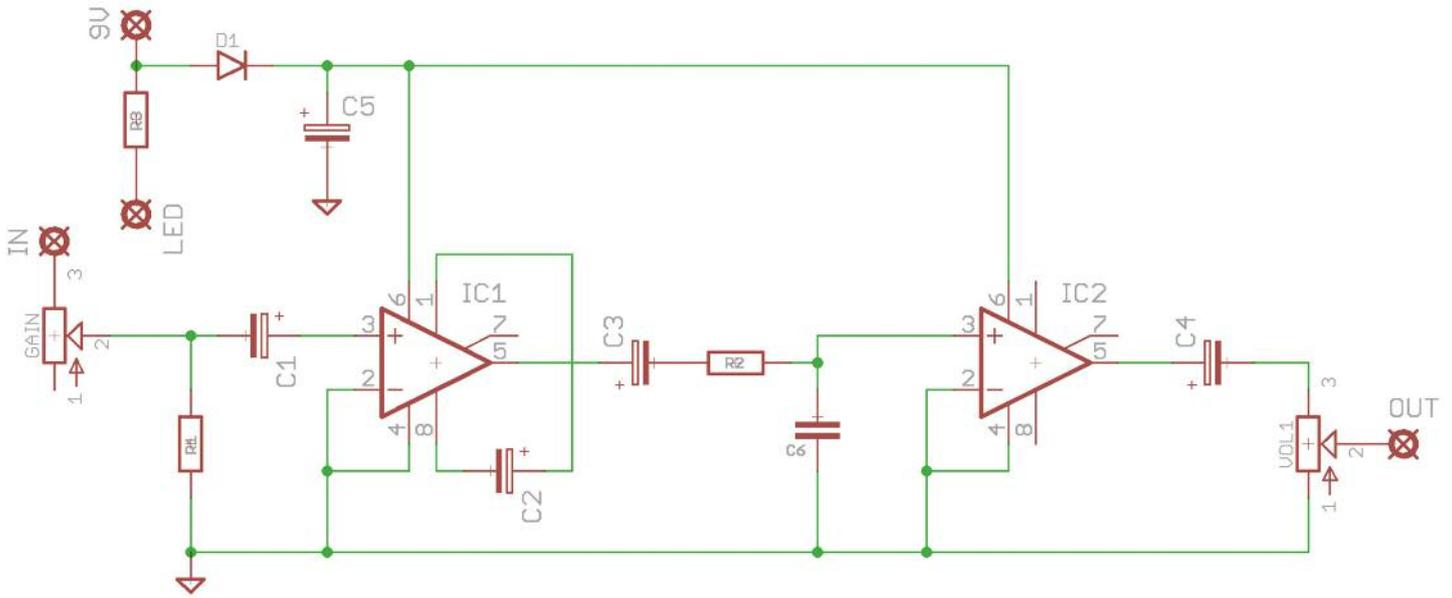


SUNNY-T

Into the realms of a cranked
Sunn Model T amp



Schematic + BOM



- R1 1M
- R2 68K
- R3 CLR (2K2)

- C1 10u elec
- C2 10u elec
- C3 1u elec
- C4 1u elec
- C5 100u elec
- C6 4n7

IC1-2 LM386-N1*

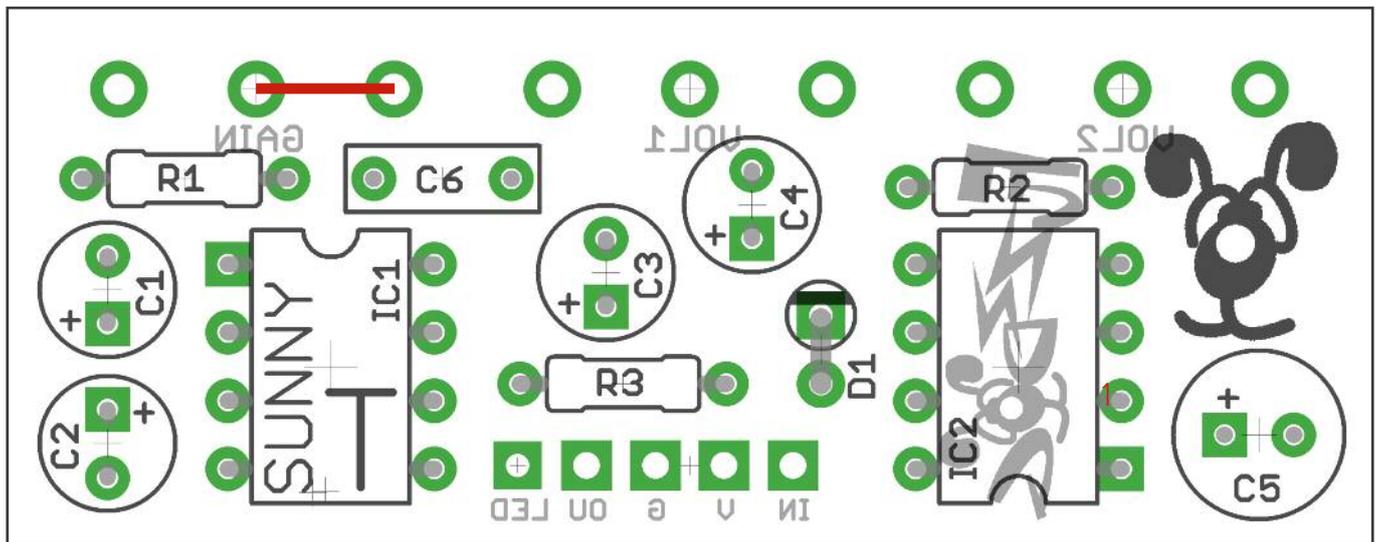
D1 1N4001

VOL 100KA

GAIN 1MC**

*You can use LM386 with higher ratings (N3, N4) if you prefer. This will give you less distortion, and a much more open sound. That's not what this circuit is about though, so we recommend sticking with N1.

**The original circuit only has a Volume control, so our Gain control is entirely optional. It basically replicates the volume control of your guitar, limiting the input signal. If you aren't using a gain control you must jumper pads 2 and 3 of GAIN - see next page.



The power and signal pads on the PCB conform to the FuzzDog Direct Connection format, so can be paired with the appropriate daughterboard for quick and easy offboard wiring.

Its best to use sockets for the ICs as they're very sensitive to heat.

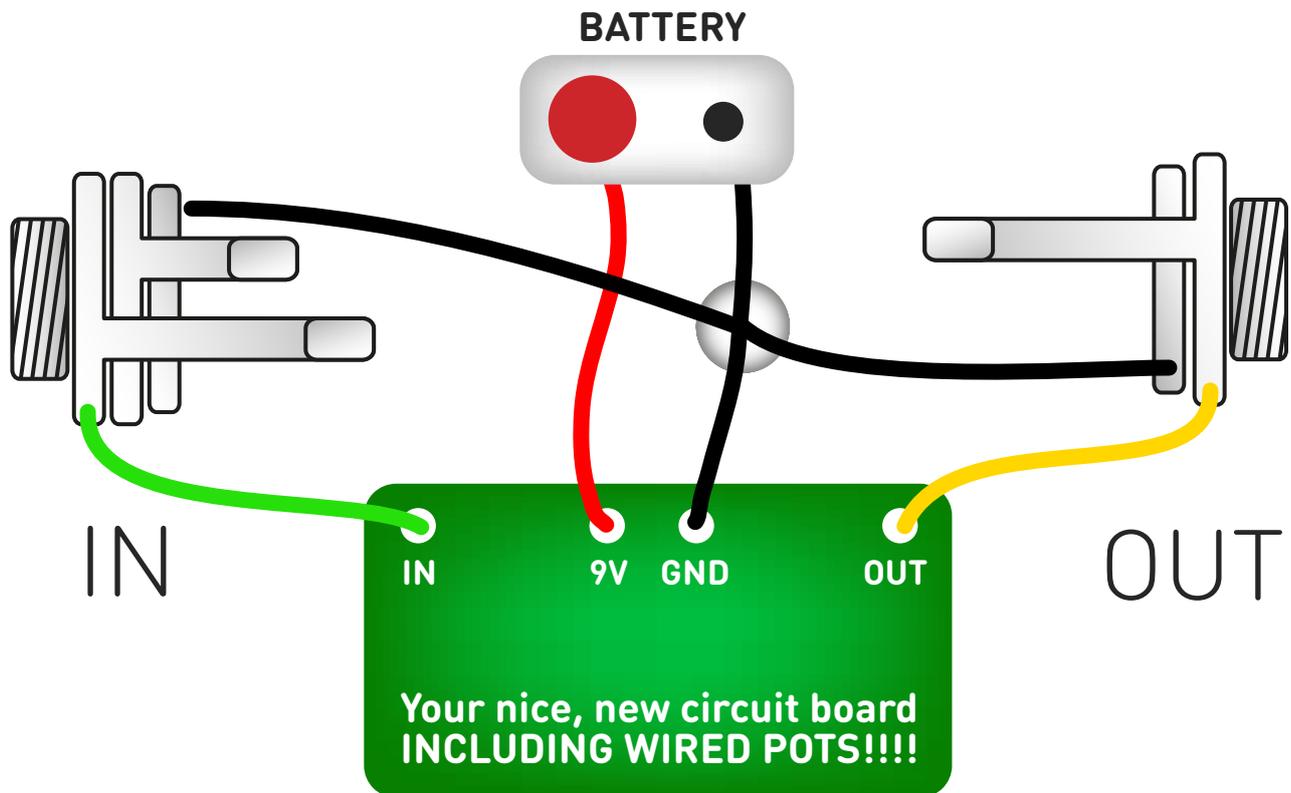
The cathode (striped end) of the diode goes into the square pad. The anode (long leg) of electrolytic capacitors go into the square pads.

Pots mount on the opposite side to the rest of the components - see cover image.

If you aren't using a pot for GAIN, place a jumper wire across pads 2 and 3 as shown in red above.

There are two sets of pads for your VOLUME control, depending on whether you're building this as a one or two knob pedal. Use only VOL1 or VOL2, not both.

Test the board!



UNDER NO CIRCUMSTANCES will troubleshooting help be offered if you have skipped this stage. No exceptions.

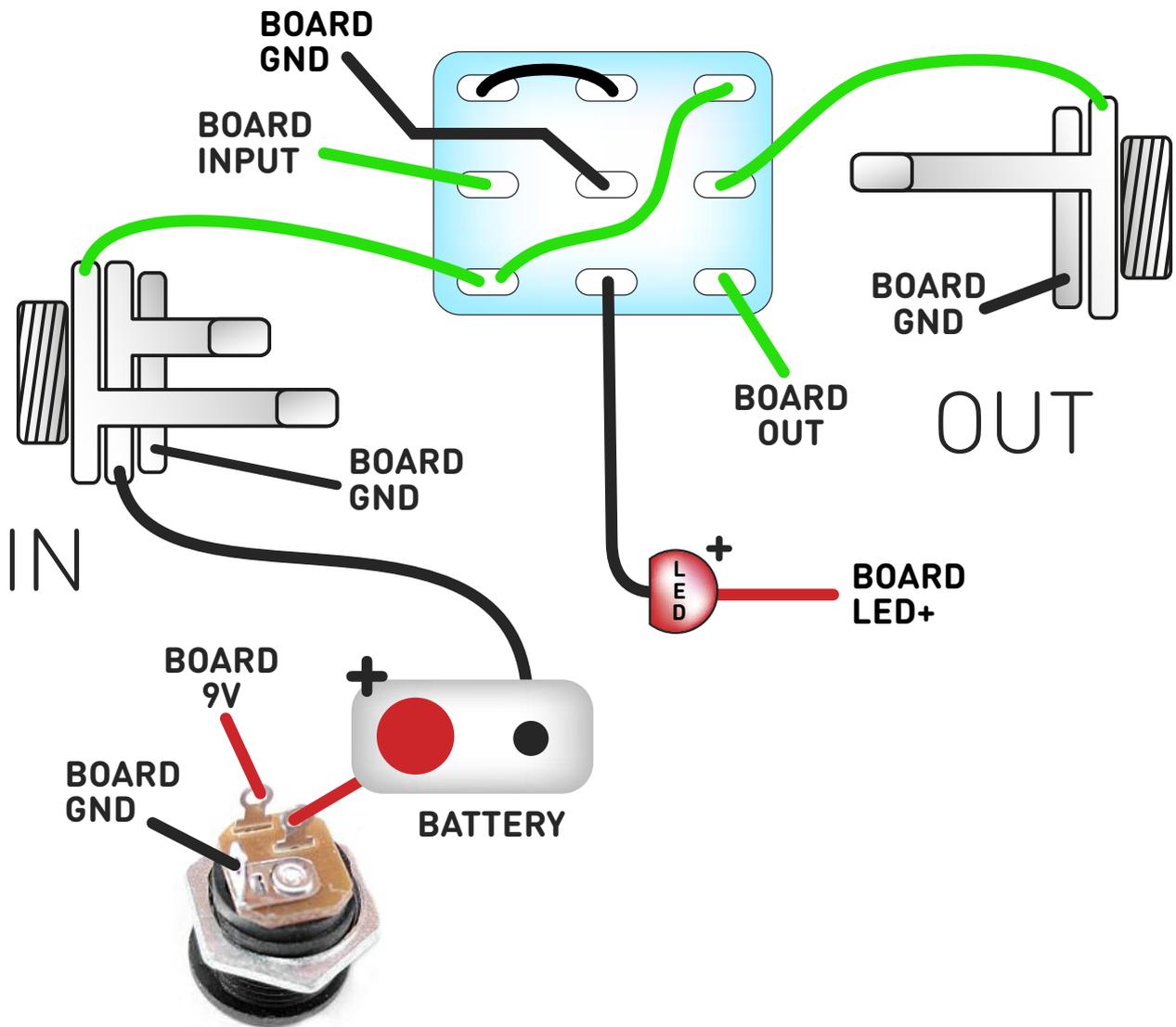
Once you've finished the circuit it makes sense to test it before starting on the switch and LED wiring. It'll cut down troubleshooting time in the long run. If the circuit works at this stage, but it doesn't once you wire up the switch - guess what? You've probably made a mistake with the switch.

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 - with battery

(if using a daughterboard please refer to the relevant document)



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.

The BOARD GND connections don't all have to connect to one point. They can be daisy-chained around the circuit, using larger connection points (such as jack socket lugs) for multiple connections. As long as they all connect together in some way.

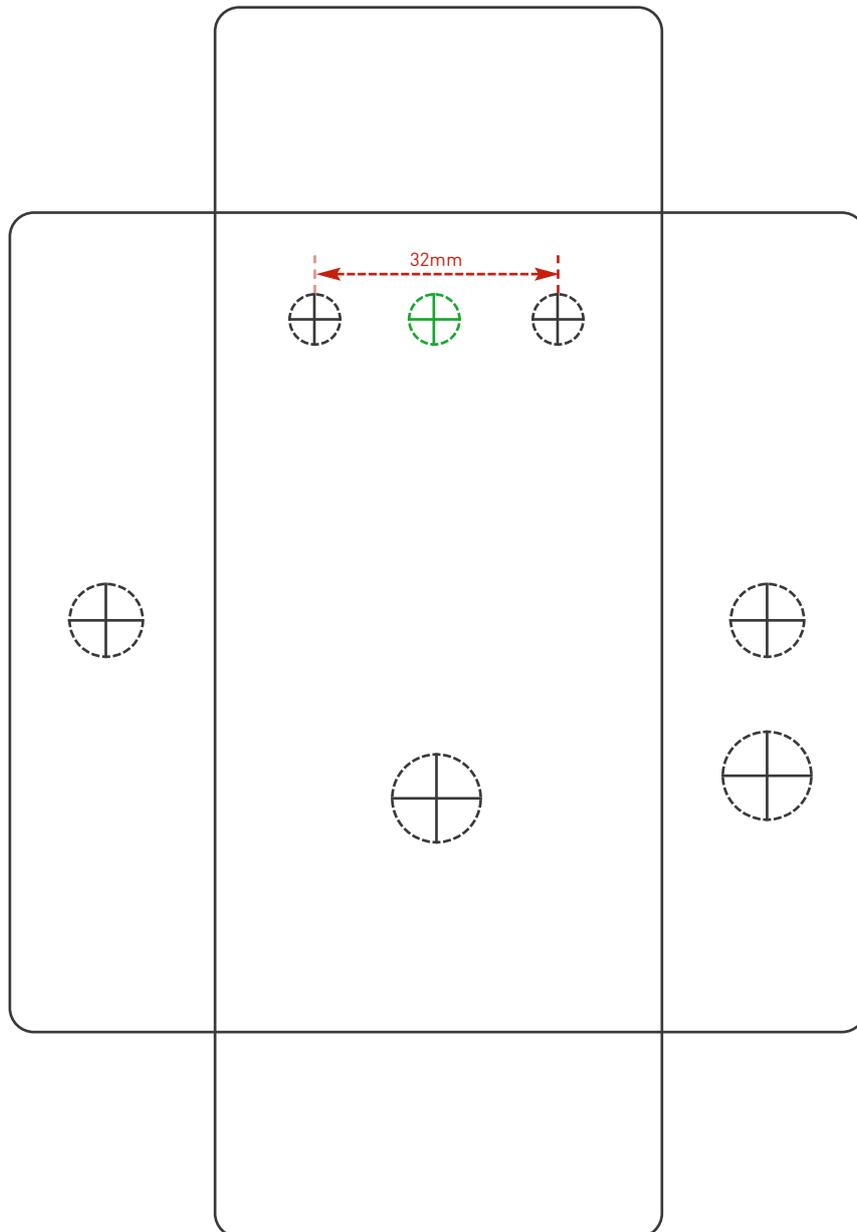
PedalParts.co.uk

Drilling template

Hammond 1590B
60 x 111 x 31mm

Recommended drill sizes:

Pots	7mm
Jacks	10mm
Footswitch	12mm
DC Socket	12mm



This template is a rough guide only. You should ensure correct marking of your enclosure before drilling. You use this template at your own risk. Pedal Parts Ltd can accept no responsibility for incorrect drilling of enclosures.

PedalParts.co.uk