



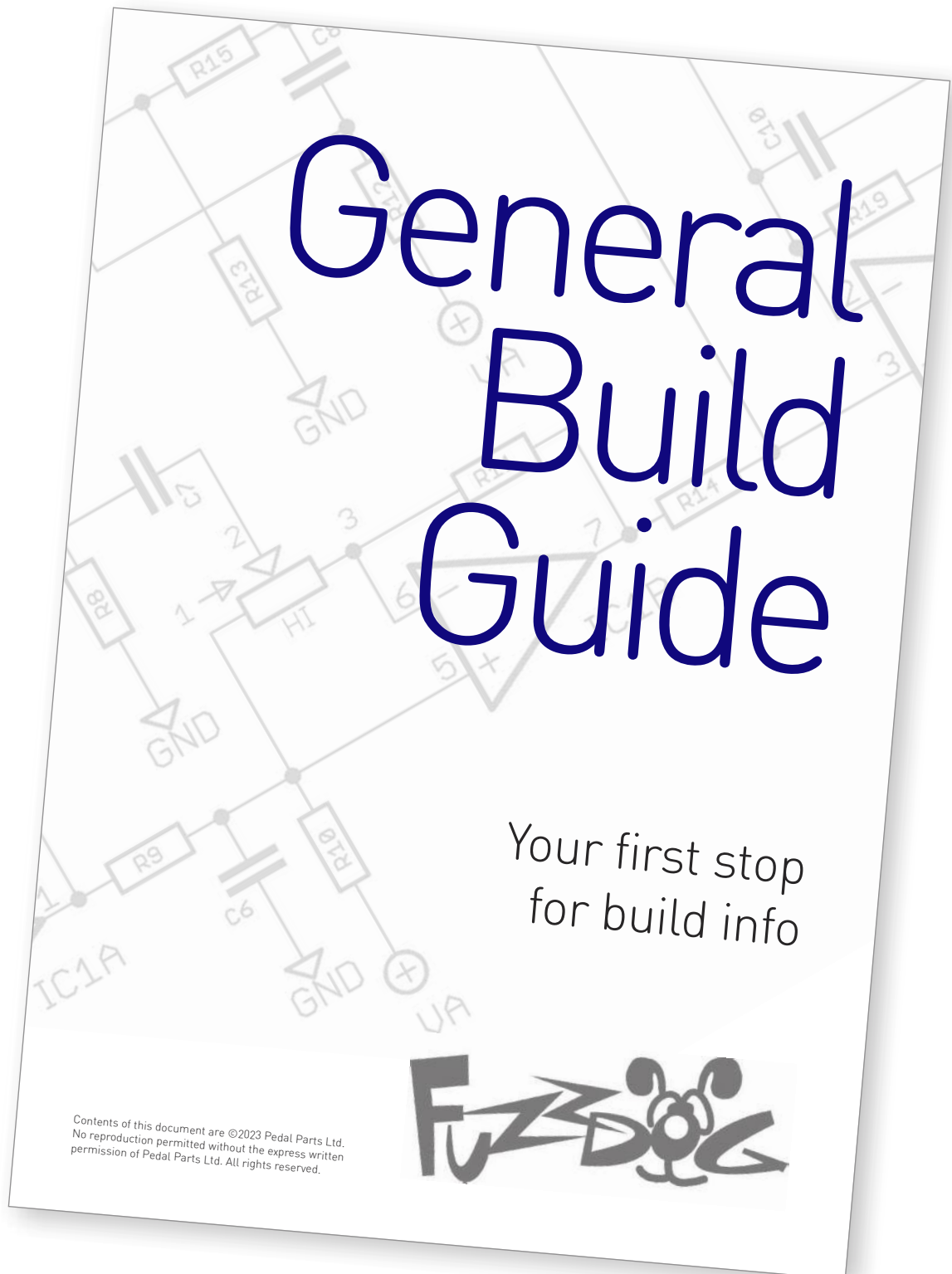
Roar!

Huge range of gritty tones
from a tiny, simple circuit

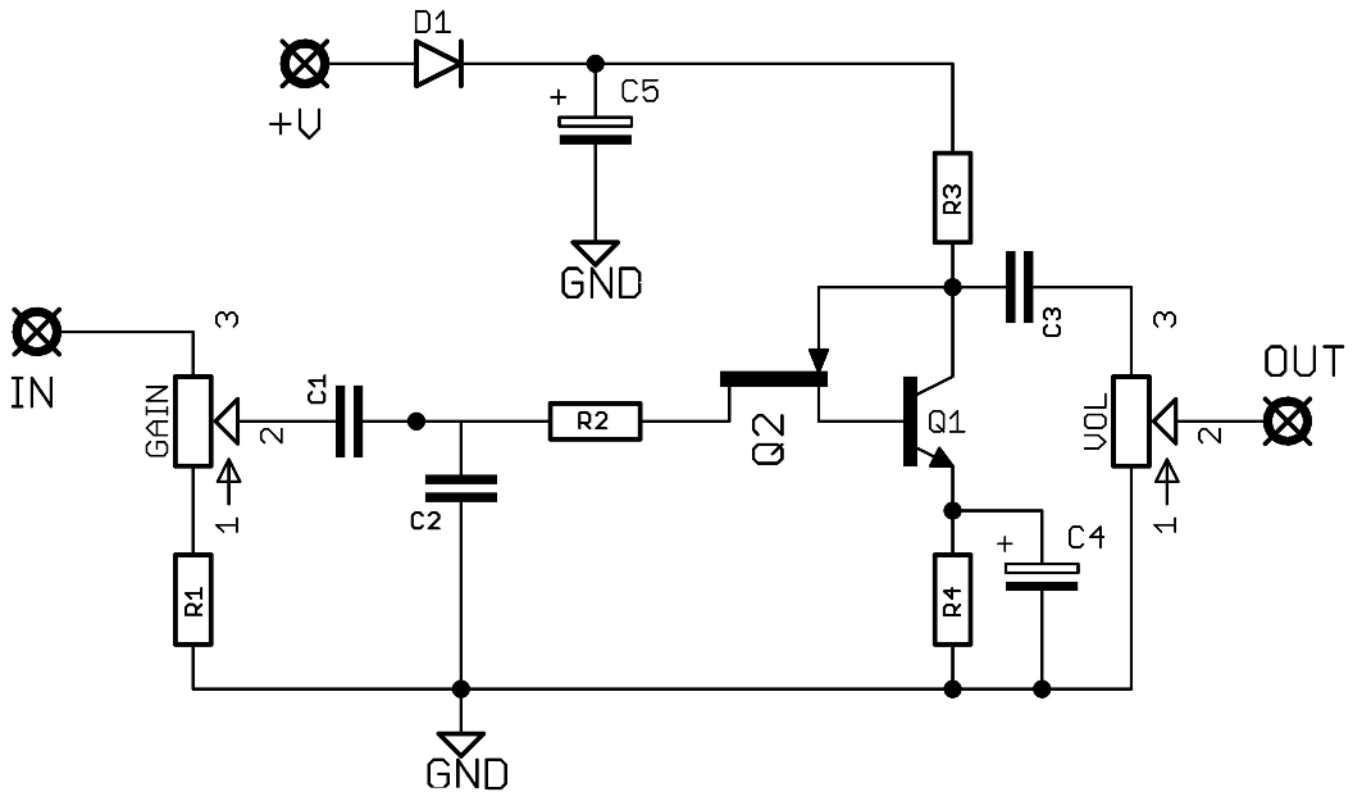


Before you dig in, ensure you download and read the **General Build Guide**.

It contains all the information you need for a successful outcome.

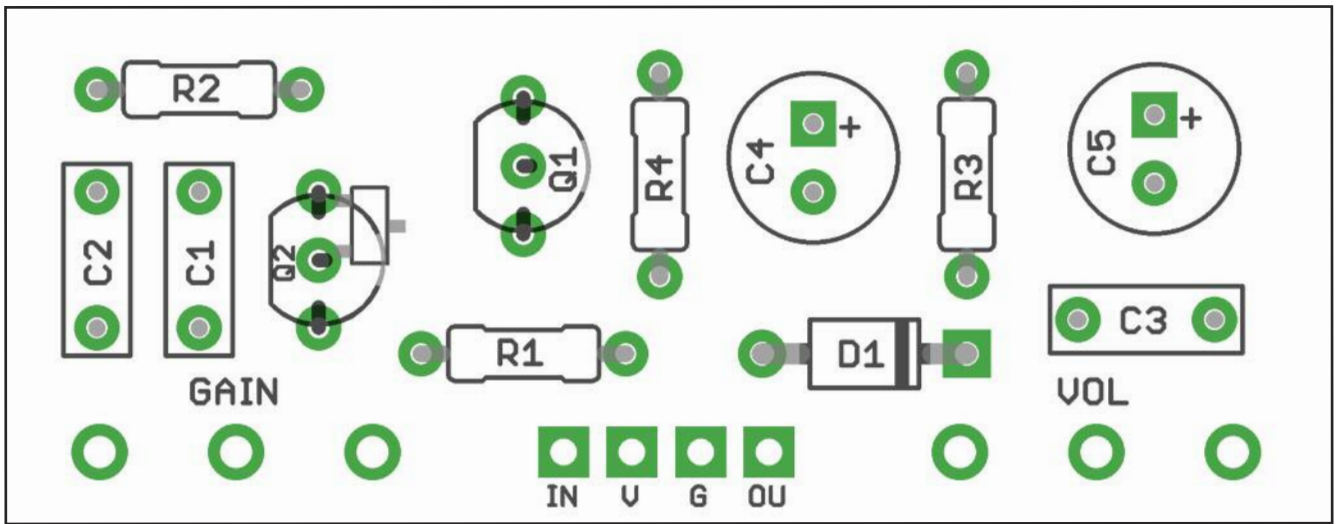


Schematic + BOM



R1	10K	C1	22N	D1	1N5817
R2	10K	C2	1n	Q1	MPSA13
R3	22K	C3	68n	Q2	2N5457*
R4	200R	C4	100u elec		
		C5	100u elec		
				GAIN	250KB
				VOL	100KB

*There are pads on the board for both through-hole and SMT versions. Originally PF5102 but this part is now obsolete. 2N5457 works just the same, and has the same pinout.



PCB layout ©2023 Pedal Parts Ltd.

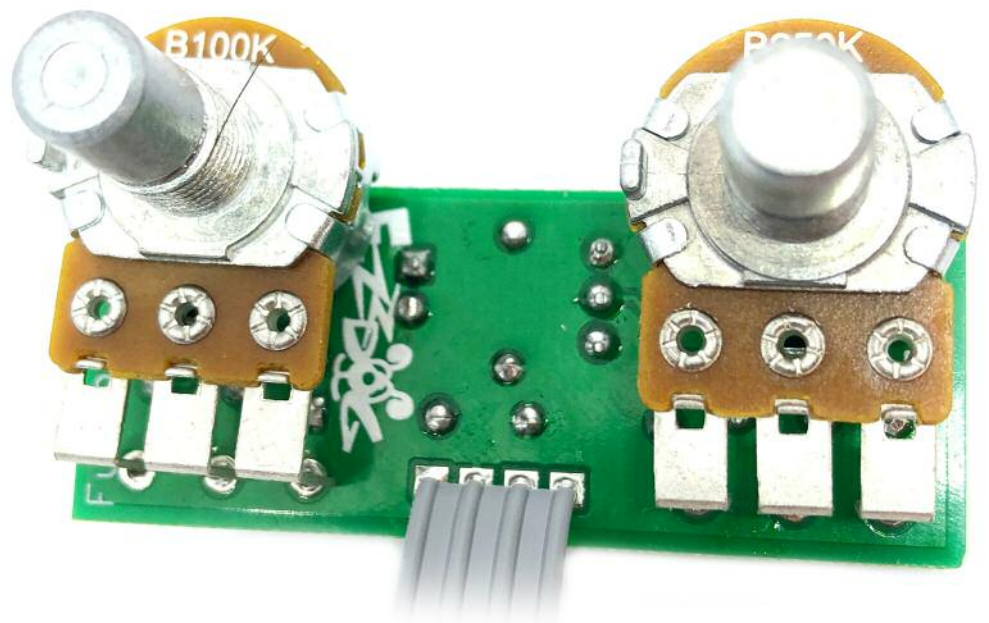
The power and signal pads on the PCB conform to the FuzzDog Direct Connection format, so can be paired with the appropriate daughterboard for quick and easy offboard wiring. Check the separate daughterboard document for details.

Be very careful when soldering the diode and transistors. They're very sensitive to heat. You should use some kind of heat sink (crocodile clip or reverse action tweezers) on each leg as you solder them. Keep exposure to heat to a minimum (under 2 seconds).

Snap the small metal tag off the pots so they can be mounted flush in the box.

You should solder all other board-mounted components before you solder the pots and switches. Once they're in place you'll have no access to much of the board. Make sure your pots all line up nicely.

The best way to do that is to solder a single pin of each pot in place then melt and adjust if necessary before soldering in the other two pins.



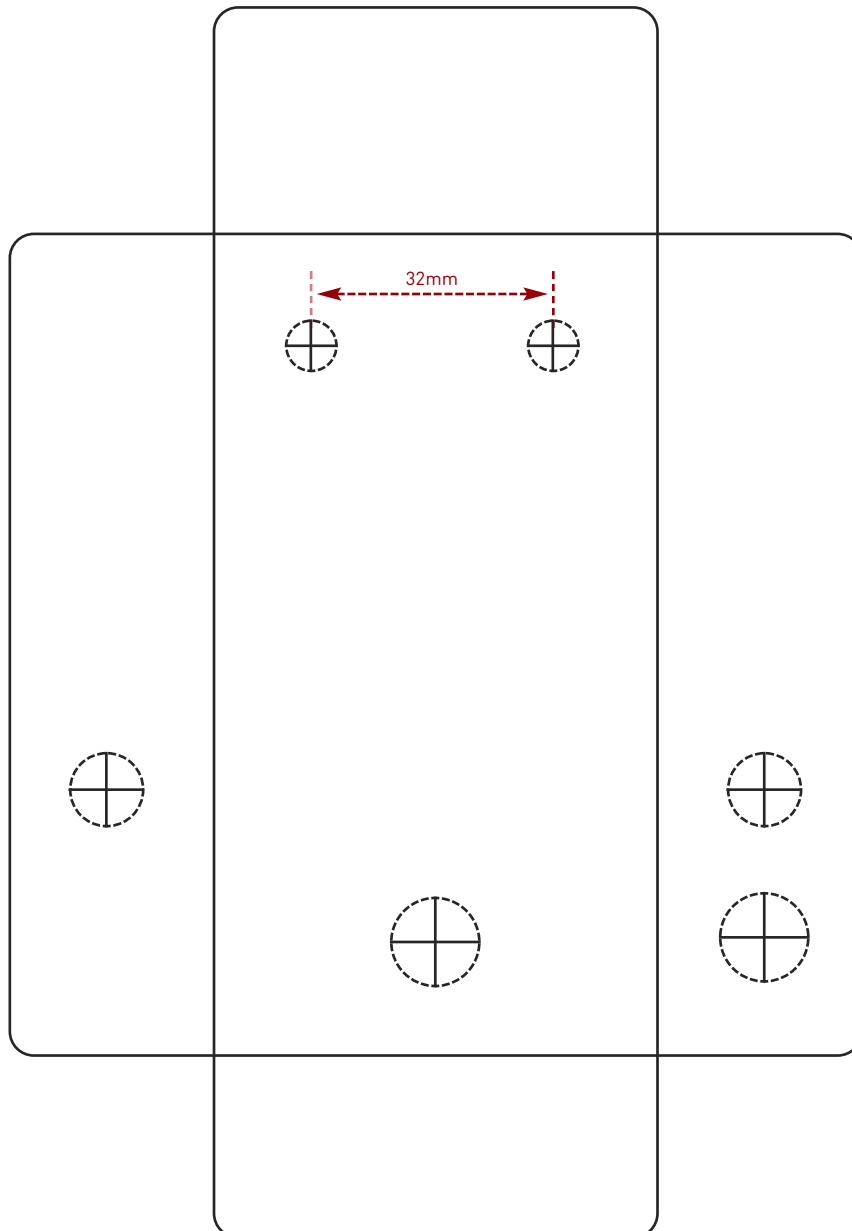
Drilling template without battery - side DC

Hammond 1590B - 60 x 111 x 31mm

It's a good idea to drill the pot and
toggle switch holes 1mm bigger if
you're board-mounting them.
Wiggle room = good!

Recommended drill sizes:

Pots	7mm
Jacks	10mm
Footswitch	12mm
DC Socket	12mm
Toggle switches	6mm



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.

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