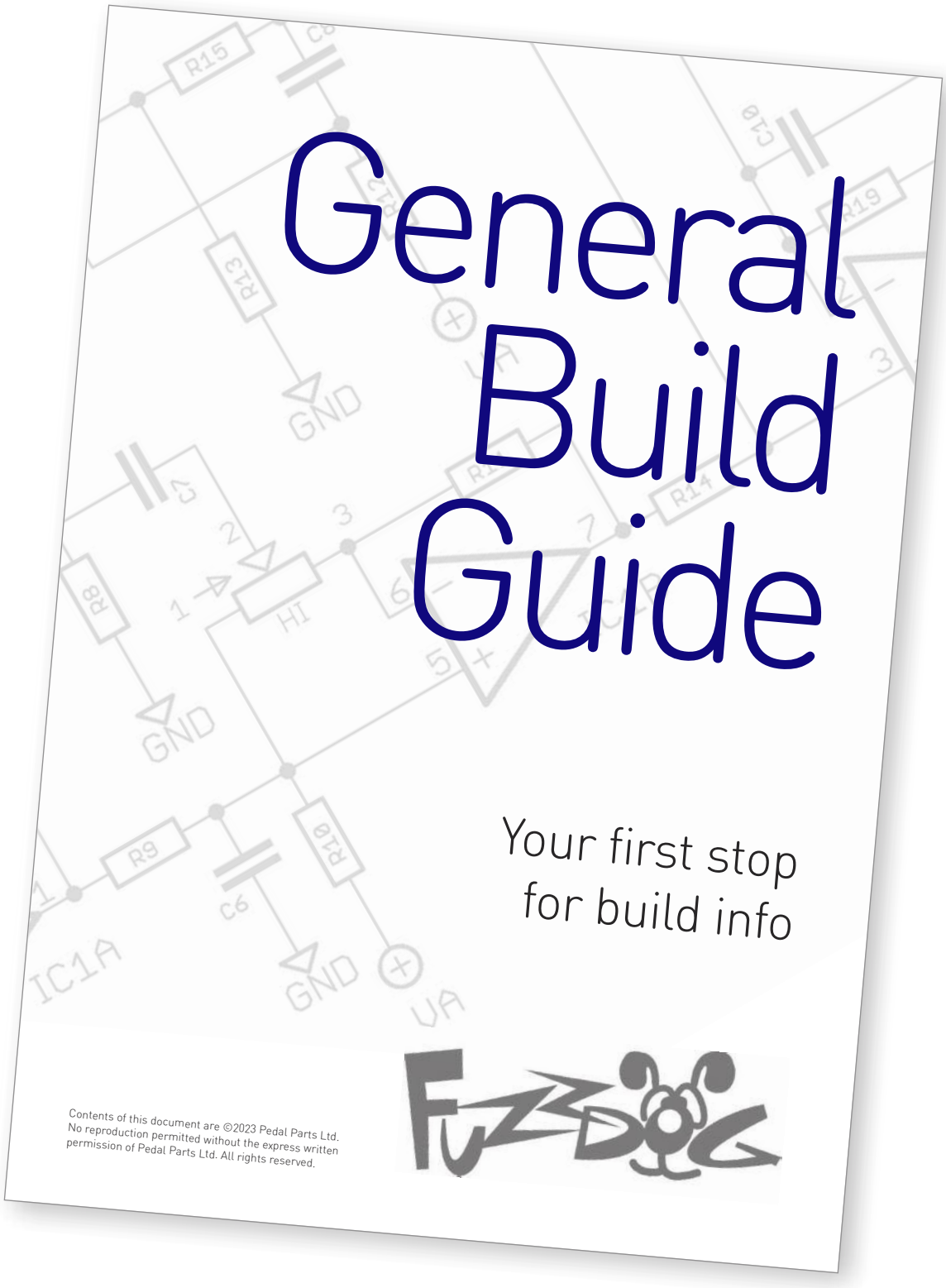
Supreme Being

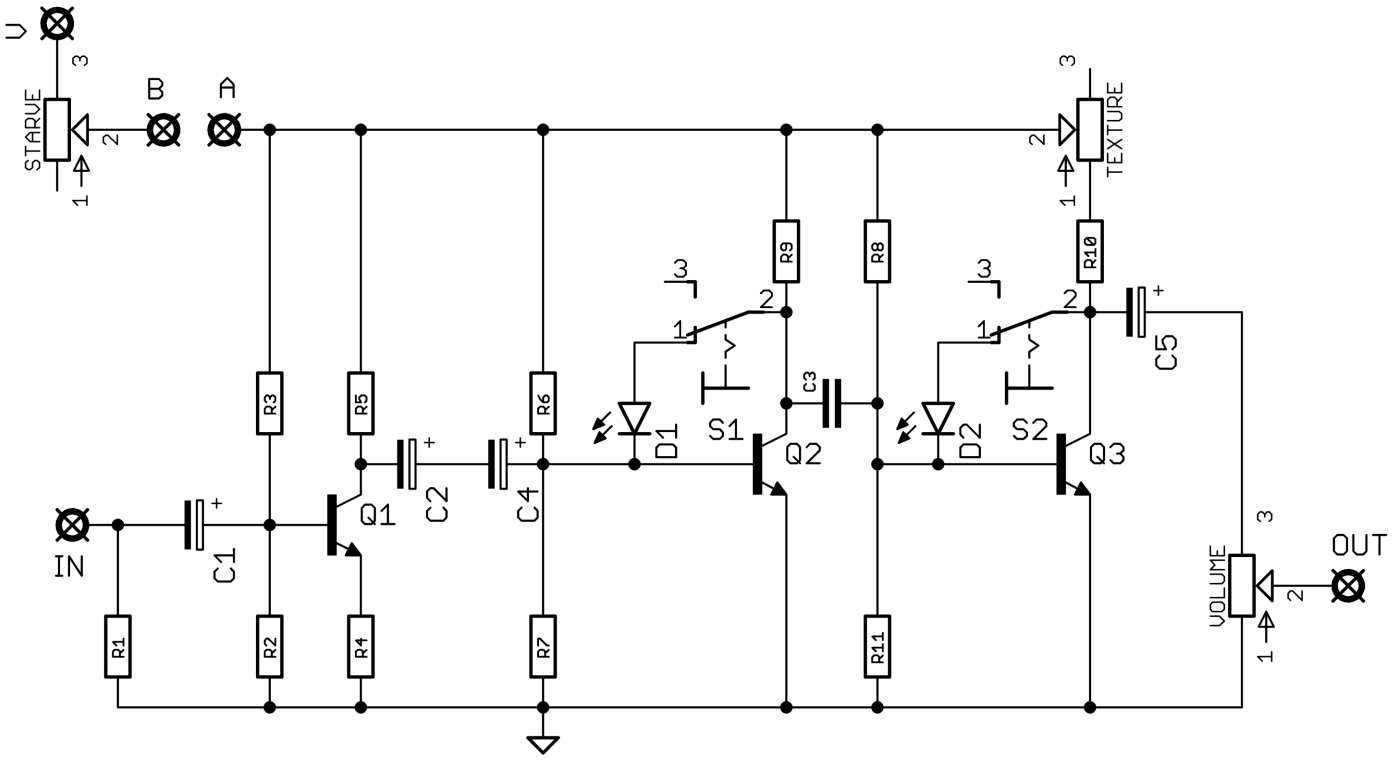
Splatter-fest Fuzz Fun

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

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



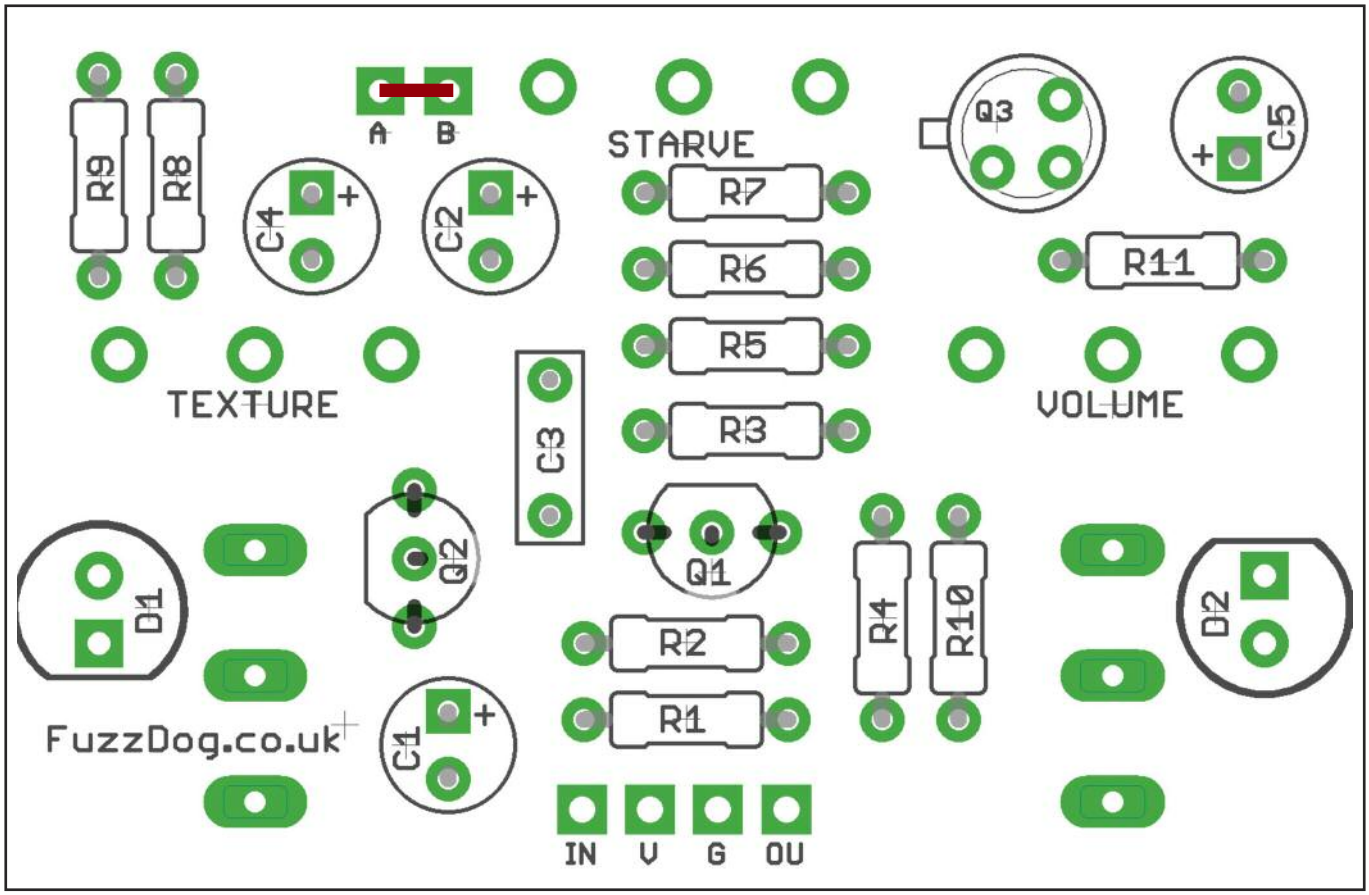
Schematic + BOM



R1	1M	C1	1u elec	D1-2	5mm Red LED
R2	100K	C2	1u elec		
R3	1M	C3	100n	Q1	2N5088
R4	390R	C4	33u elec*	Q2	2N3904
R5	3K3	C5	10u elec	Q3	2N2222
R6	1M				
R7	100K			STRV	2KB
R8	2M2			TEXT	1MB
R9	100K			VOL	100KA
R10	4K7				
R11	220K				

*You'll notice no difference at all if you simply jumper the pads for C4. We've left it in so it matches the original, but it really isn't necessary.

Pads A and B have been included so you can wire an offboard footswitch for the STARVE control if you wish.



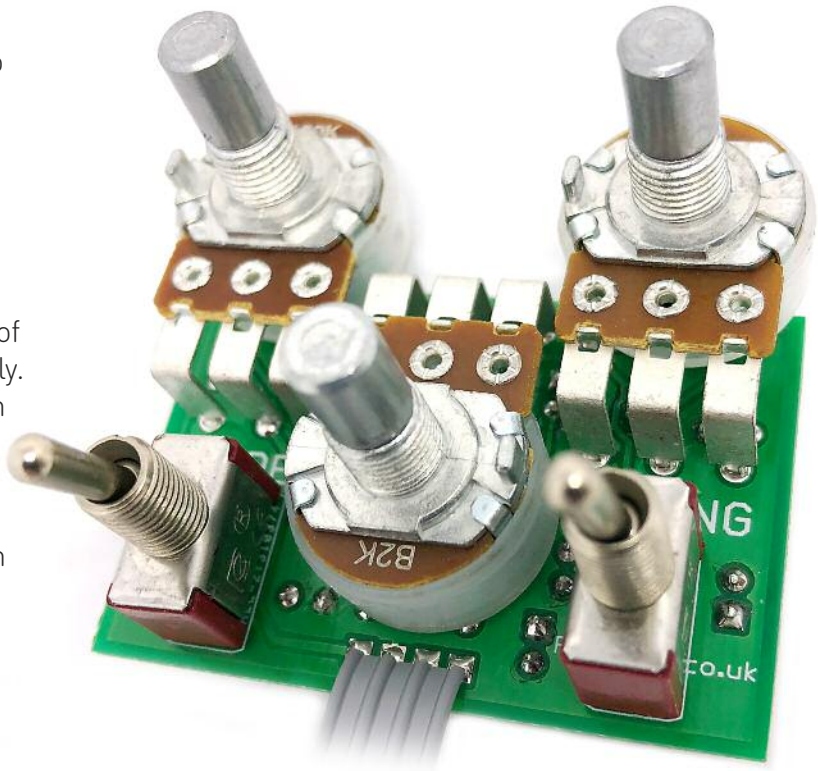
The power and signal pads on the PCB conform to the FuzzDog Direct Connection format, so can be paired with the appropriate daughterboard for quick and easy offboard wiring. Check the separate daughterboard document for details.

Be very careful when soldering the LEDs, 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. 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. If your pots don't have protective plastic jackets ensure you leave a decent gap between the pot body and the PCB otherwise you risk shorting out the circuit.

If you're doing a standard build place a jumper across pads A and B as shown in red above. See next page for more details.

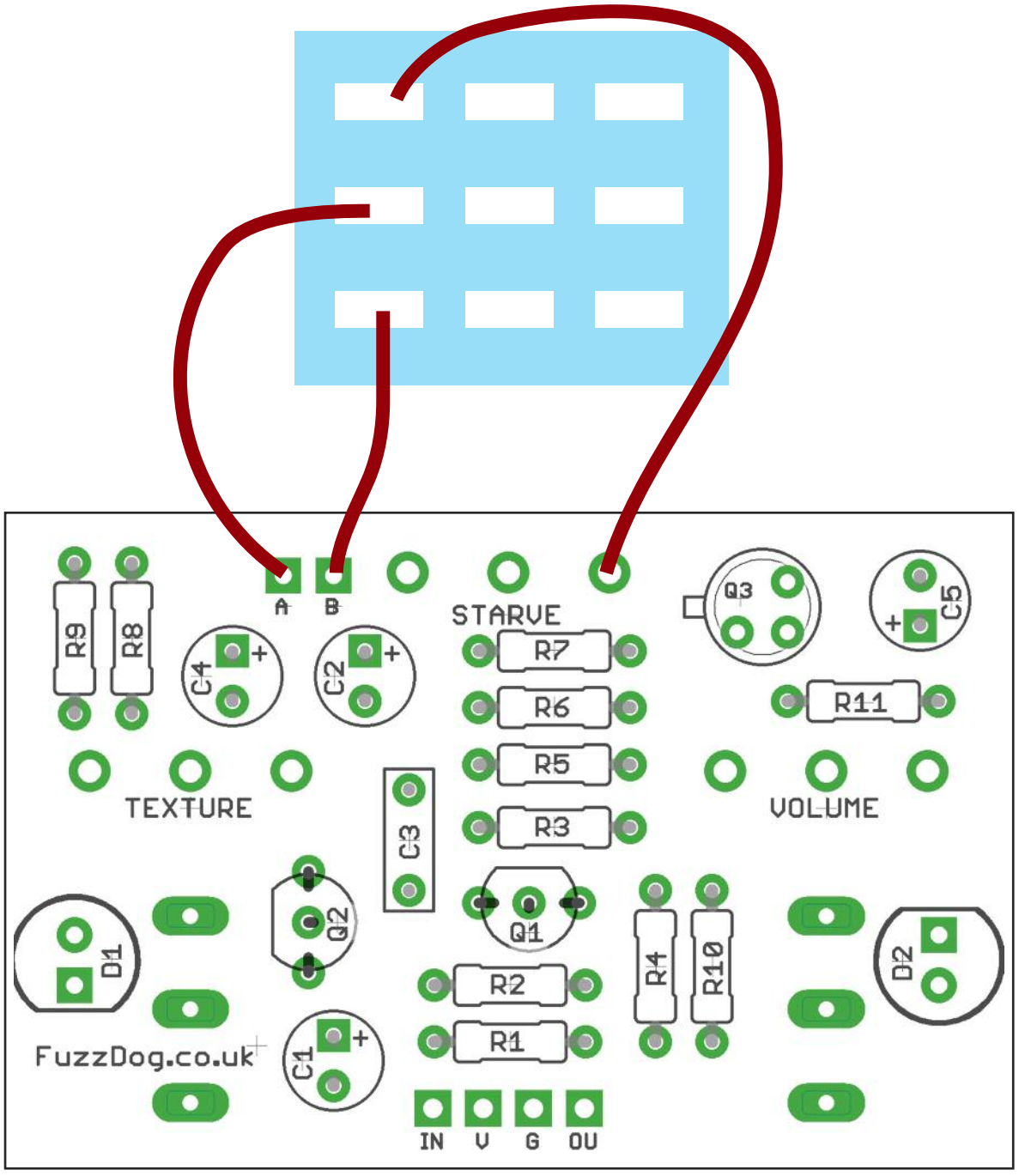


Starve Footswitch

If you want to add a footswitch to kick the starve pot in and out of the circuit like the original you can do it with a little offboard wiring.

As you can see on the schematic, the V pad on the board connects directly to pin 3 of the Starve pot. Pin 2 of the pot connects to Pad B. Pad A connects to the rest of the circuit's supply rail. By connecting Pads A and B you're supplying the circuit with a starved voltage controlled by the pot.

Wiring a footswitch as shown below will allow you to switch between supplying the circuit via the pot or straight from the voltage supplied at V, going from starved power to full power with a stomp.



Drilling template

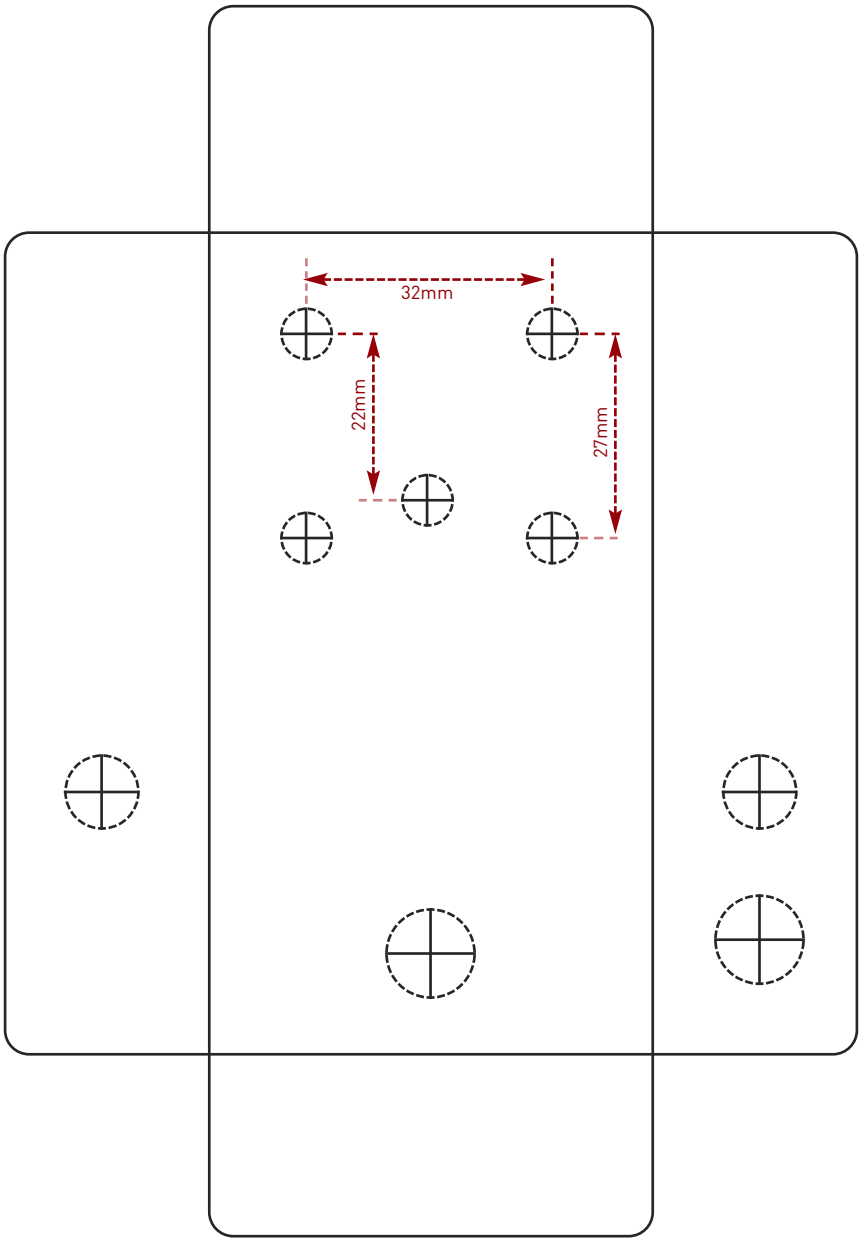
Hammond 1590B

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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