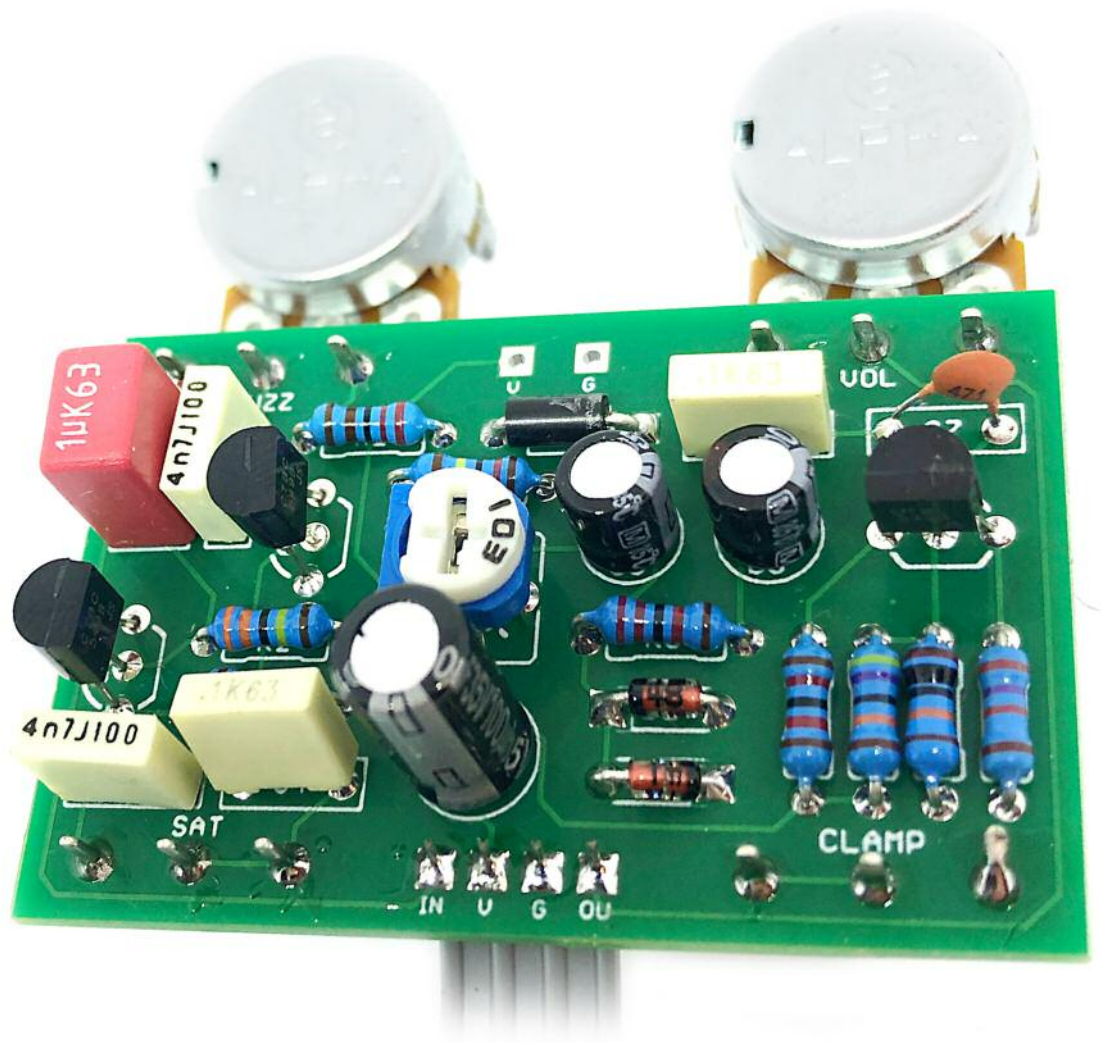




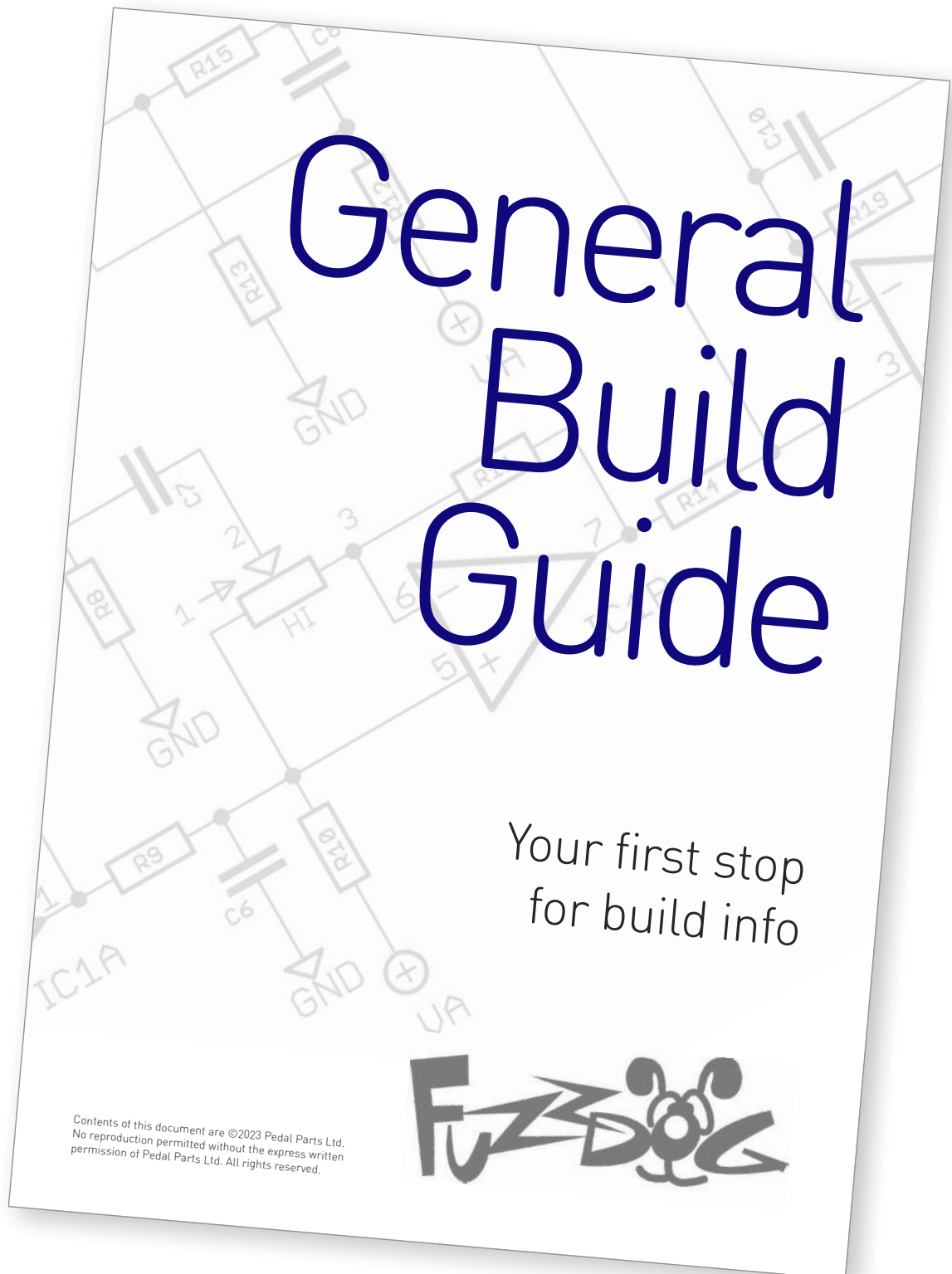
Freek Fuzz

Boutique take on the
Regulus VIII Os Mutantes Fuzz

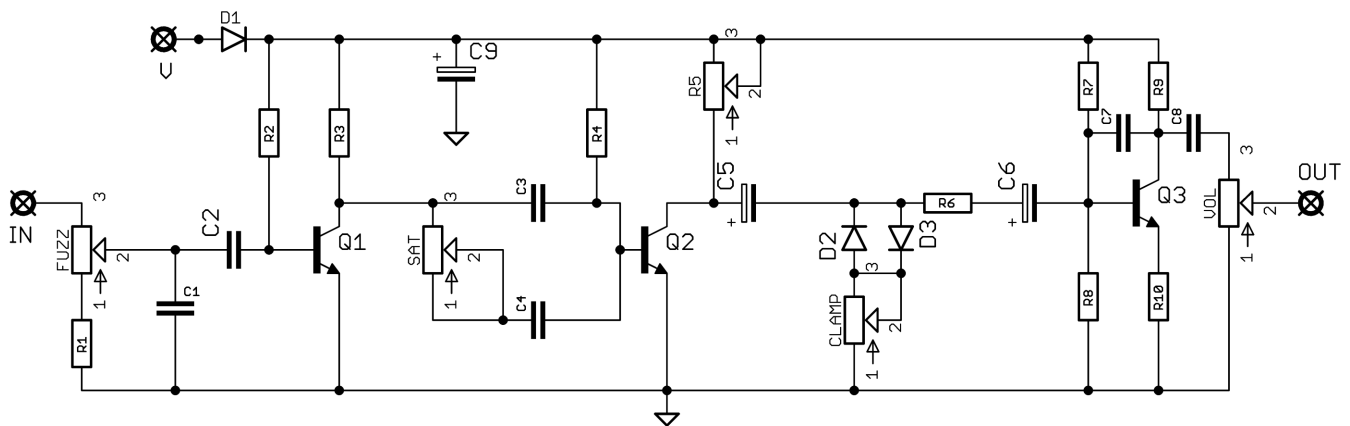


Before you dig in, ensure you download and read the **General Build Guide**.

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



Schematic + BOM

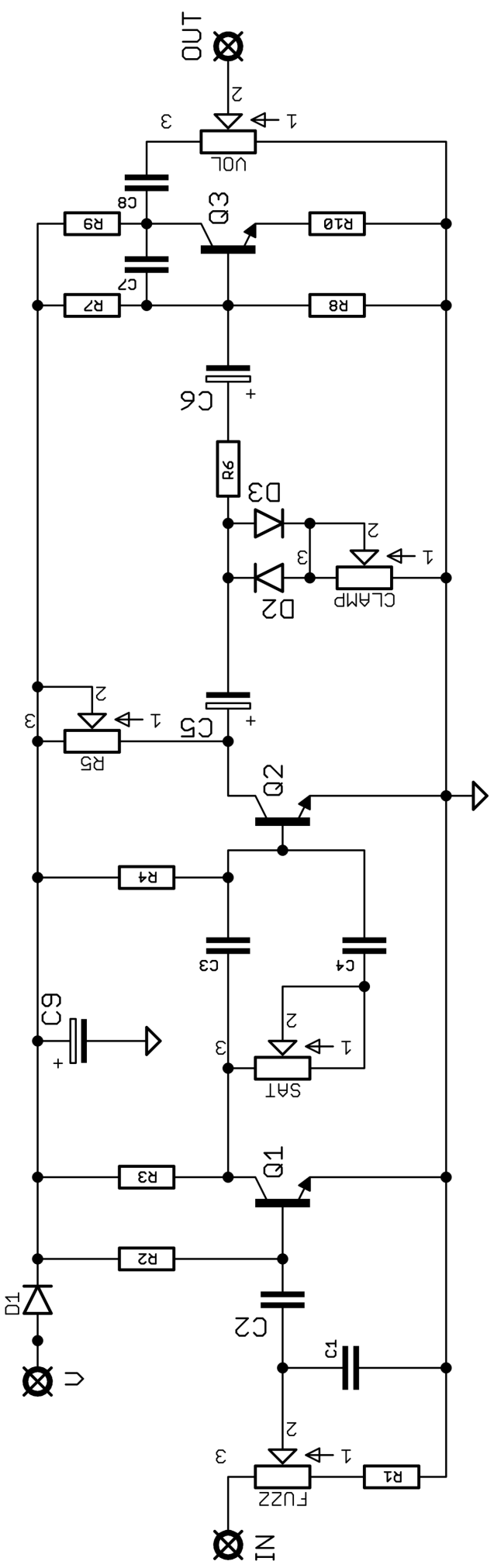


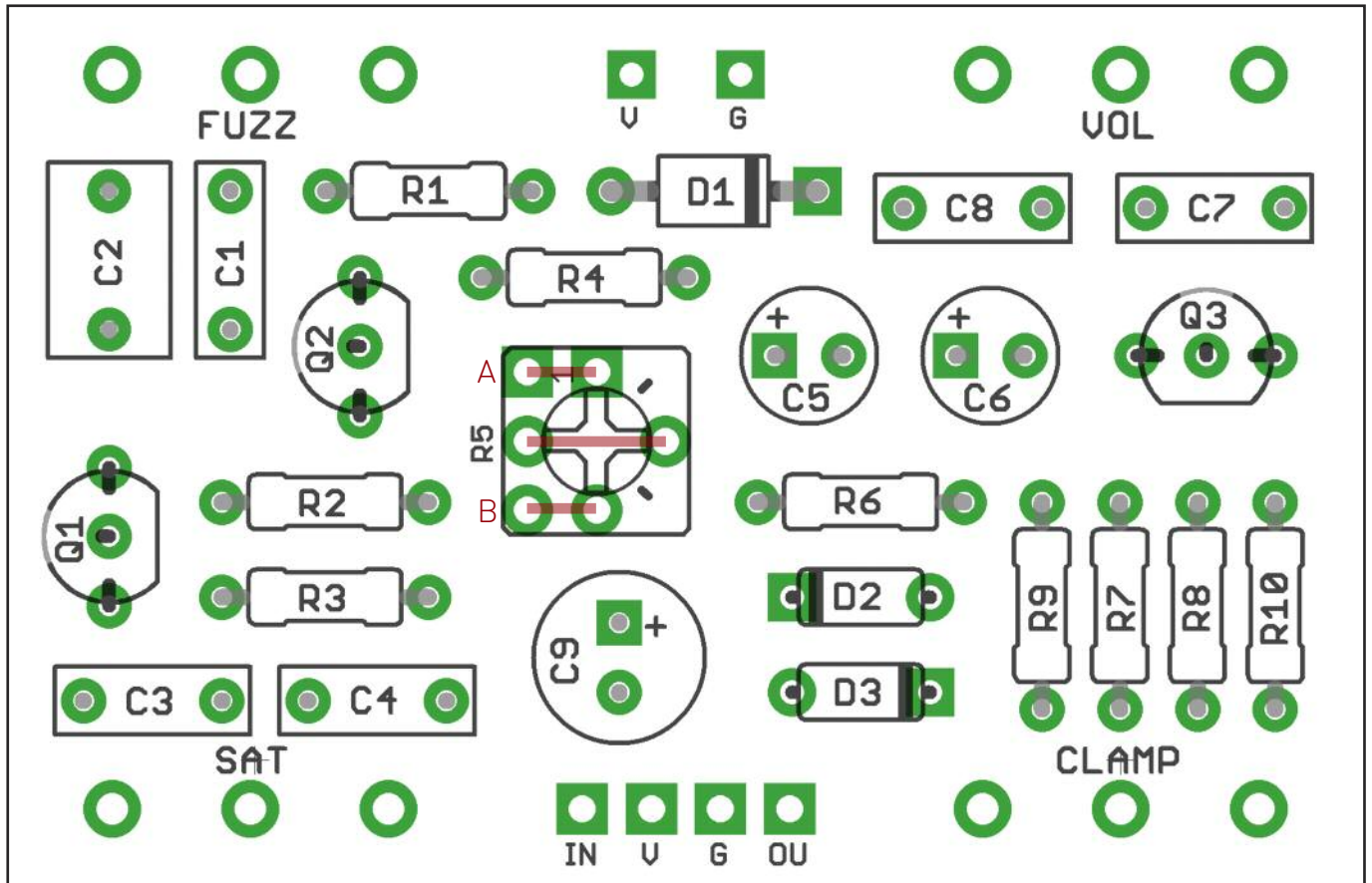
R1	2K2	C1	4n7	D1	1N5817
R2	3M3	C2	1u	D2-3	1N4148
R3	2K7	C3	4n7	Q1-3	BC549B**
R4	1M2	C4	100n	FUZZ	100KA
R5	4K7 / 10K Trim*	C5	10u elec	CLAMP	1KB
R6	22K	C6	10u elec	SAT	100KB
R7	470K	C7	470p	VOL	100KA
R8	100K	C8	100n		
R9	12K	C9	100u elec		
R10	2K7				

*R5 is a fixed 4K7 resistor in the original, but the circuit benefits from some tweaking of the Q2 bias. We recommend putting a 10K trimmer in here, positioned in the centre of the turn. Give it little tweaks either way until you get the best results. There's no right or wrong.

DO NOT turn the trimmer fully CCW or you'll fry Q2.

**Feel free to use other BJTs for Q1-3, but watch your pinout. The board is designed for BC549B which have the reverse pinout to others such as 2N5088, 2N3904 etc, so you'll need to reverse those if you want to play around.





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.

There are extra pads for the trimmer. They are connected within the PCB traces as shown in red above. As long as one pin of your trimmer goes in each row you're good. If you want to use a fixed resistor for R5 place it upright with the legs going into pads A and B.



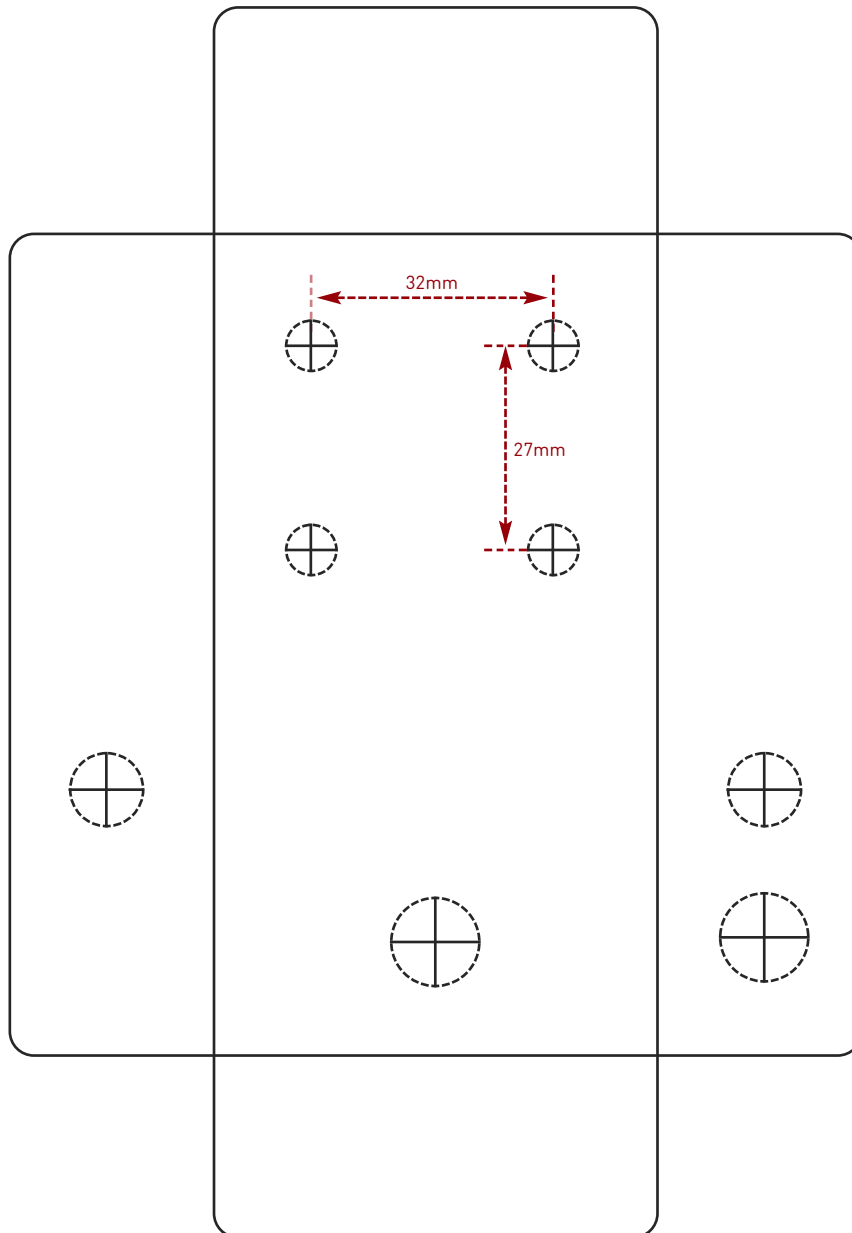
Drilling template without battery

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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