

8-BIT Legend

Glitchy fuzz fun

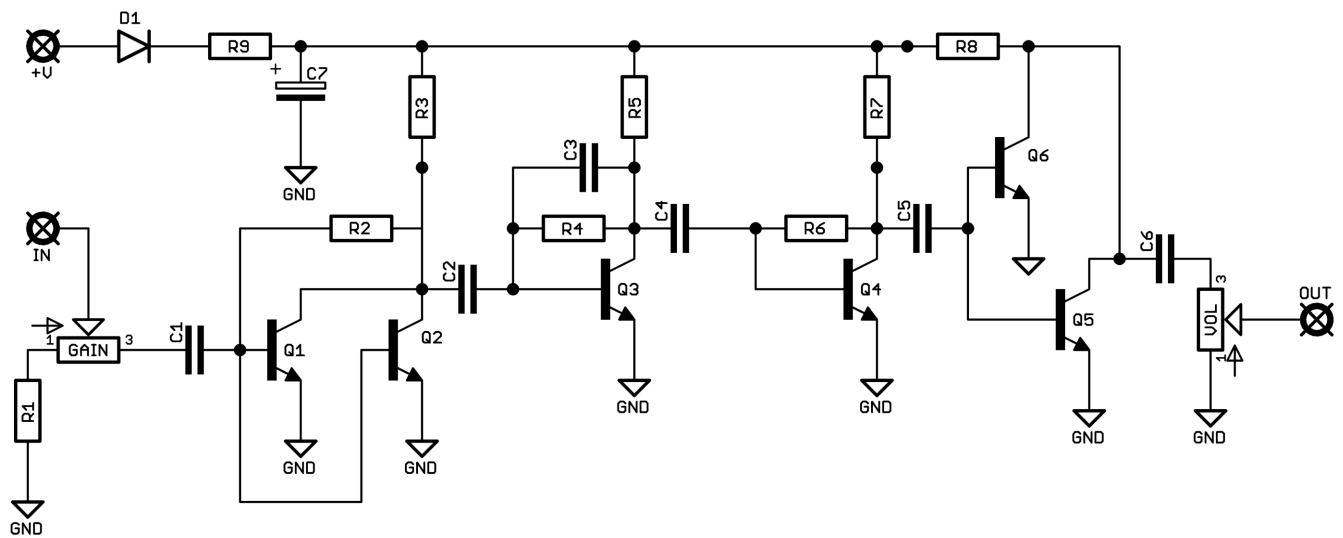


Before you dig in, ensure you download and read the **General Build Guide**.

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

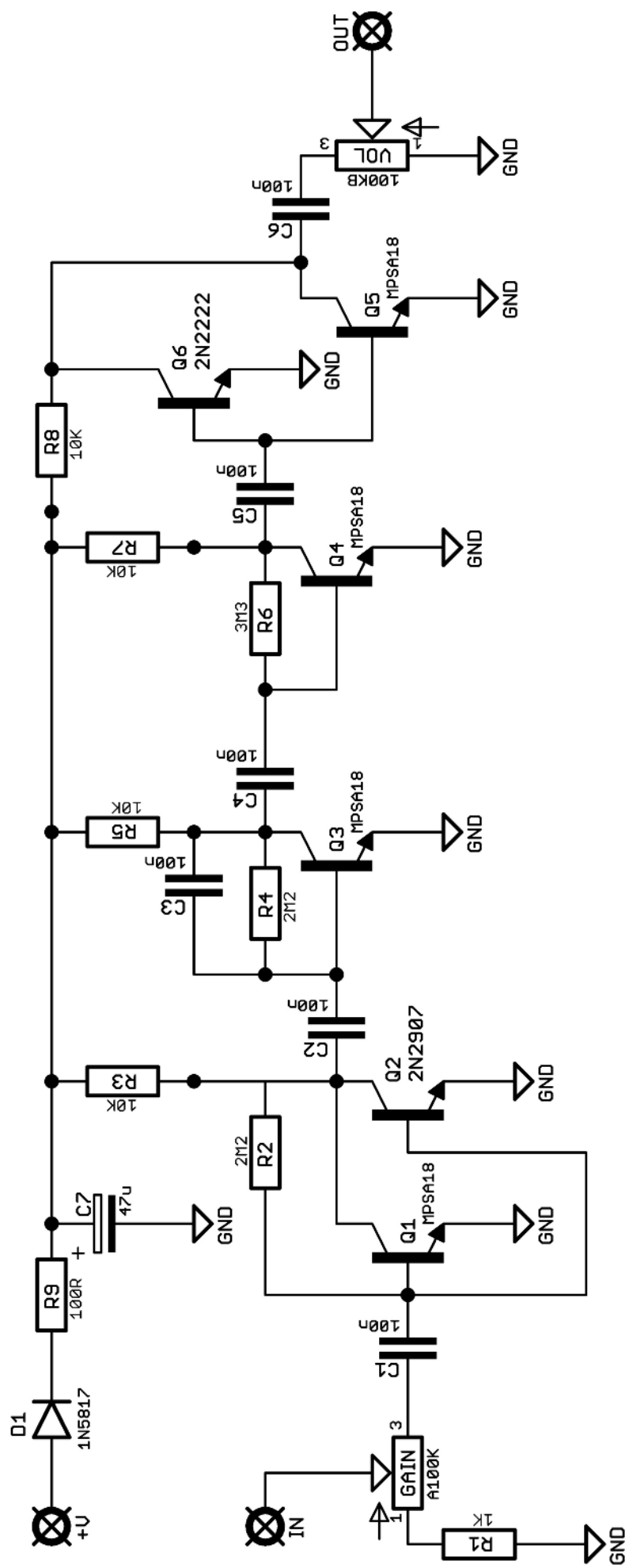


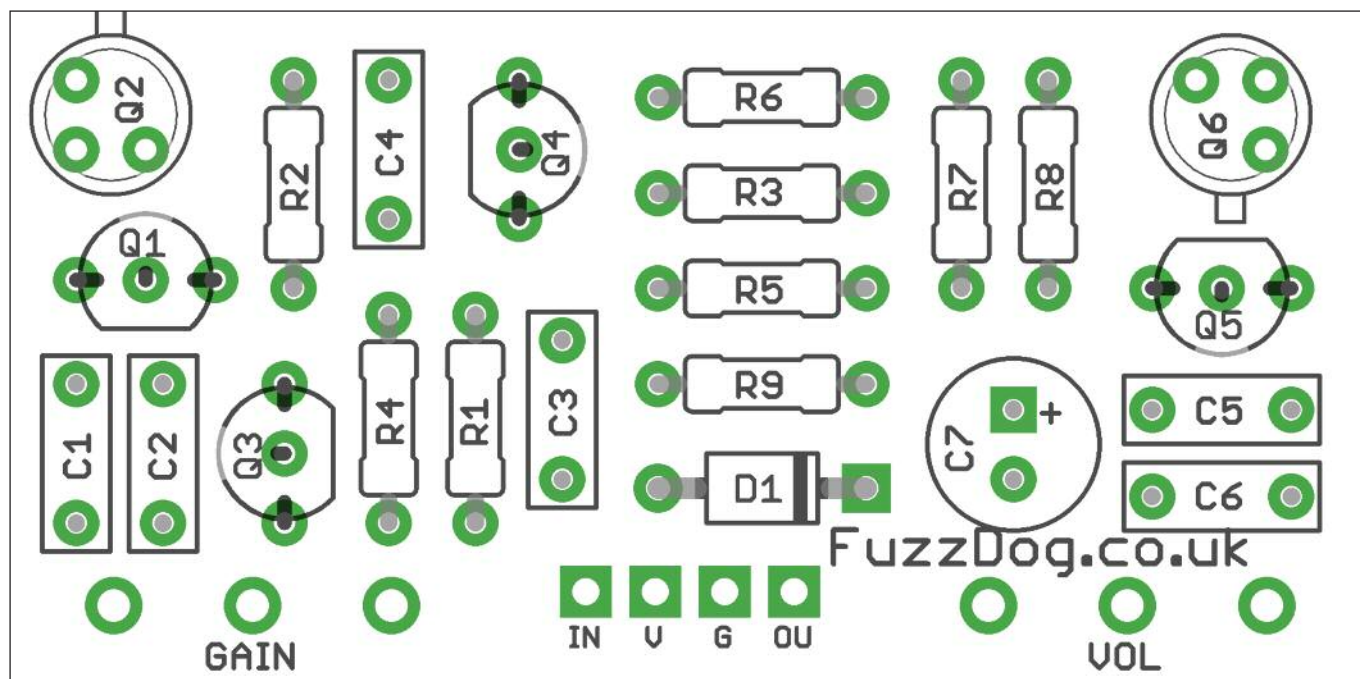
Schematic + BOM



R1	1K (10K)*	C1	100n	D1	1N5817
R2	2M2	C2	100n		
R3	10K	C3	100n	Q1	MPSA18
R4	2M2	C4	100n	Q2	2N2907
R5	10K	C5	100n	Q3	MPSA18
R6	3M3	C6	100n	Q4	MPSA18
R7	10K	C7	100u elec	Q5	MPSA18
R8	10K			Q6	2N2222
R9	100R				
				GAIN	100KB*
				VOL	100KB

*The original pedal has a reversed gain control on the input, named 'Control'. We opted to go for a more conventional gain as it's more intuitive in use. The original utilises a reverse log pot, so you'd think a log pot would work well in the reversed configuration. No. Linear is the way to go. We can only assume the sweep of the original isn't great. You're unlikely to get any signal coming through on the first quarter of the sweep, so we recommend using a 10K in R1 to start the fun earlier in the turn.

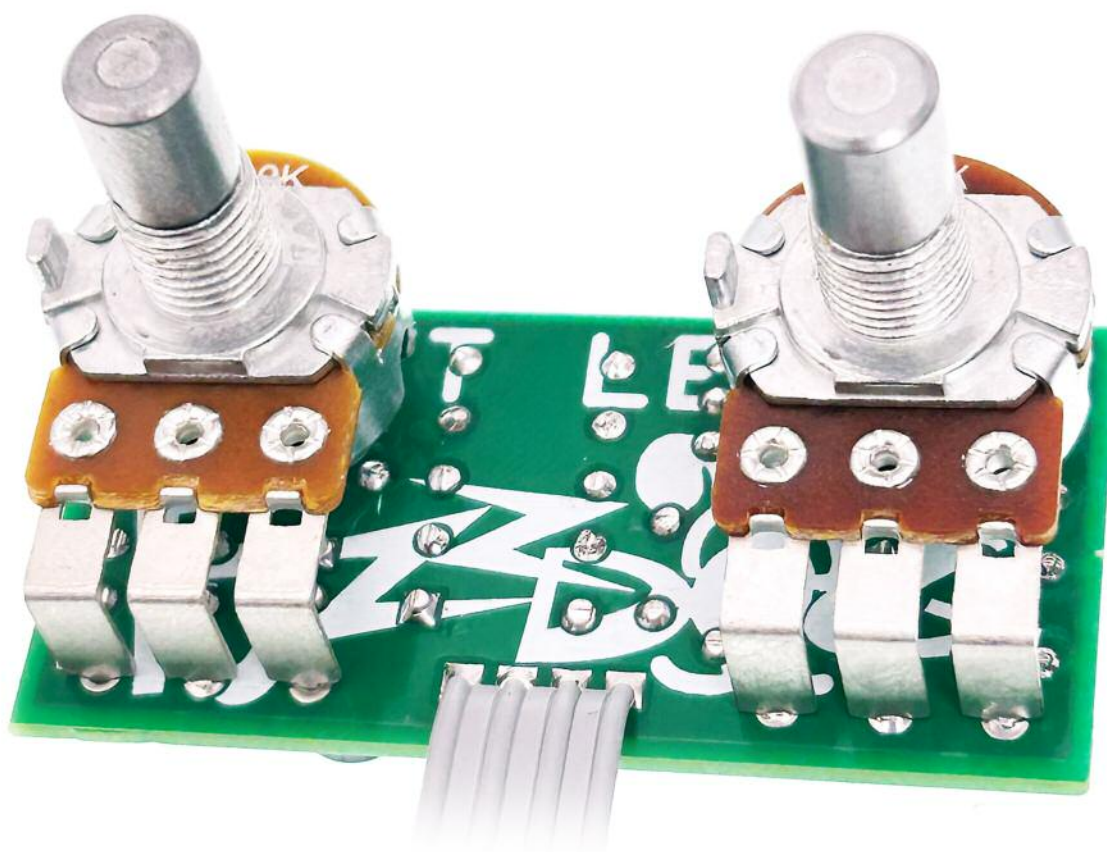




Snap the small metal tags off the pots so they can be mounted flush in the box.

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.



Drilling template

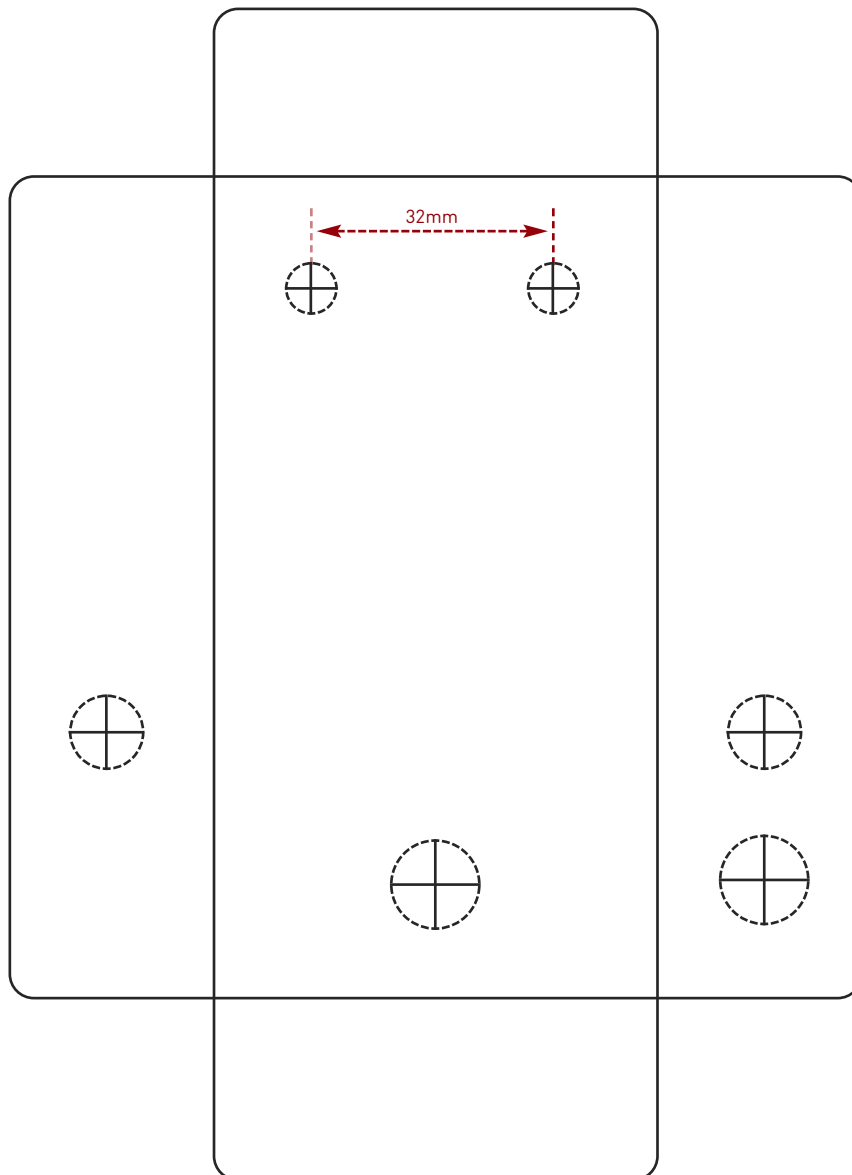
Hammond 1590B - 60 x 111 x 31mm

Drill sizes listed are minimum.

It's a good idea to add 1mm to anything mounted on the PCB that'll poke through the front of the enclosure.

Drill sizes:

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



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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