

Fusion Fuzz

Slamming that silicon and germanium together real good

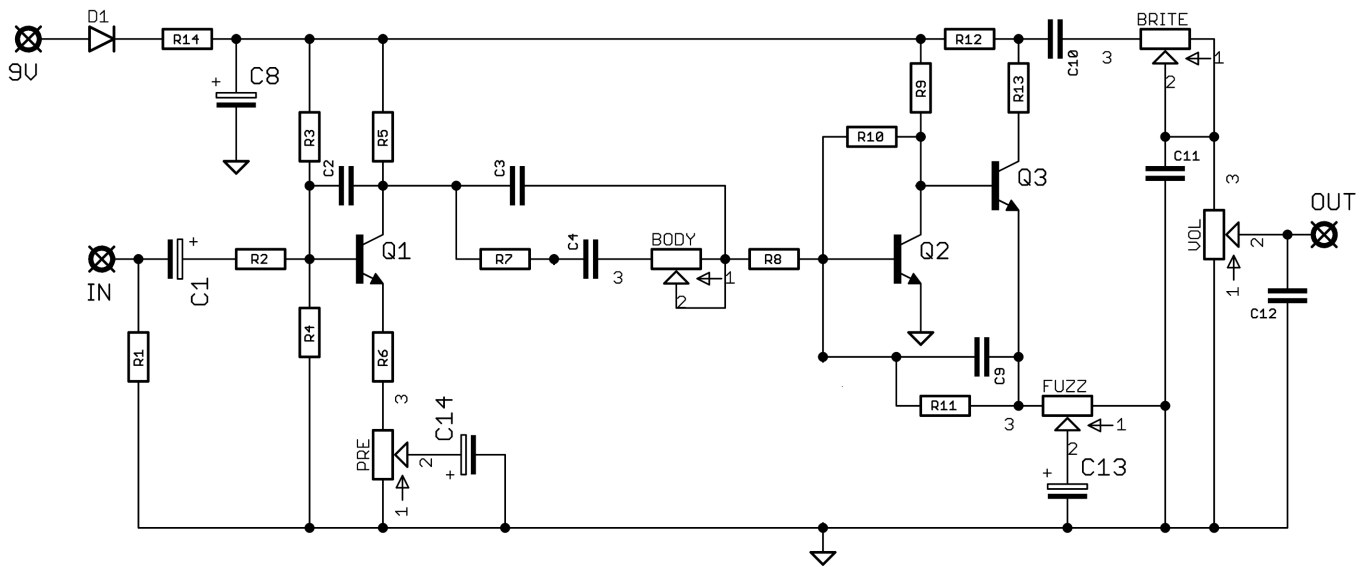


Before you dig in, ensure you download and read the **General Build Guide**.

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



Schematic + BOM



R1	1M*	C1	47n**	Q1-2	BC109C
R2	10K	C2	47p	Q3	AC127***
R3	470K	C3	3n3	D1	1N5817
R4	100K	C4	220n	BODY	100KB
R5	10K	C5	Empty	BRITE	100KB
R6	100R	C6	Empty	FUZZ	1KC
R7	56K	C7	Empty	PRE	2KB
R8	10K	C8	100u elec	VOL	100KA
R9	56K	C9	47p		
R10	56K	C10	220n		
R11	75K	C11	3n3		
R12	5K1	C12	1n		
R13	5K1	C13	22u elec		
R14	100R	C14	2u2 elec		

The pot names refer to those on the PCB, which is designed for another circuit. They correspond to the original of this pedal as follows:

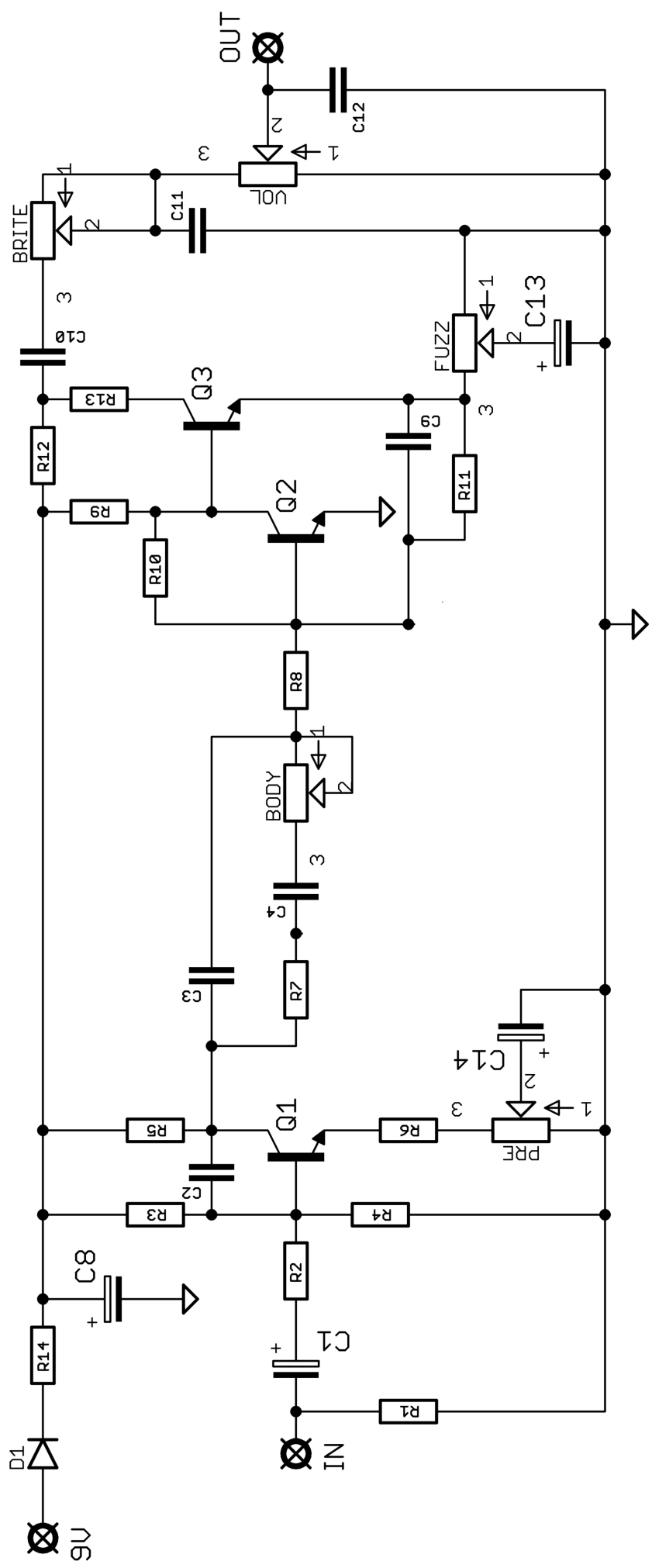
BODY	TIGHTNESS
BRITE	PRESENCE
PRE	MID BOOST

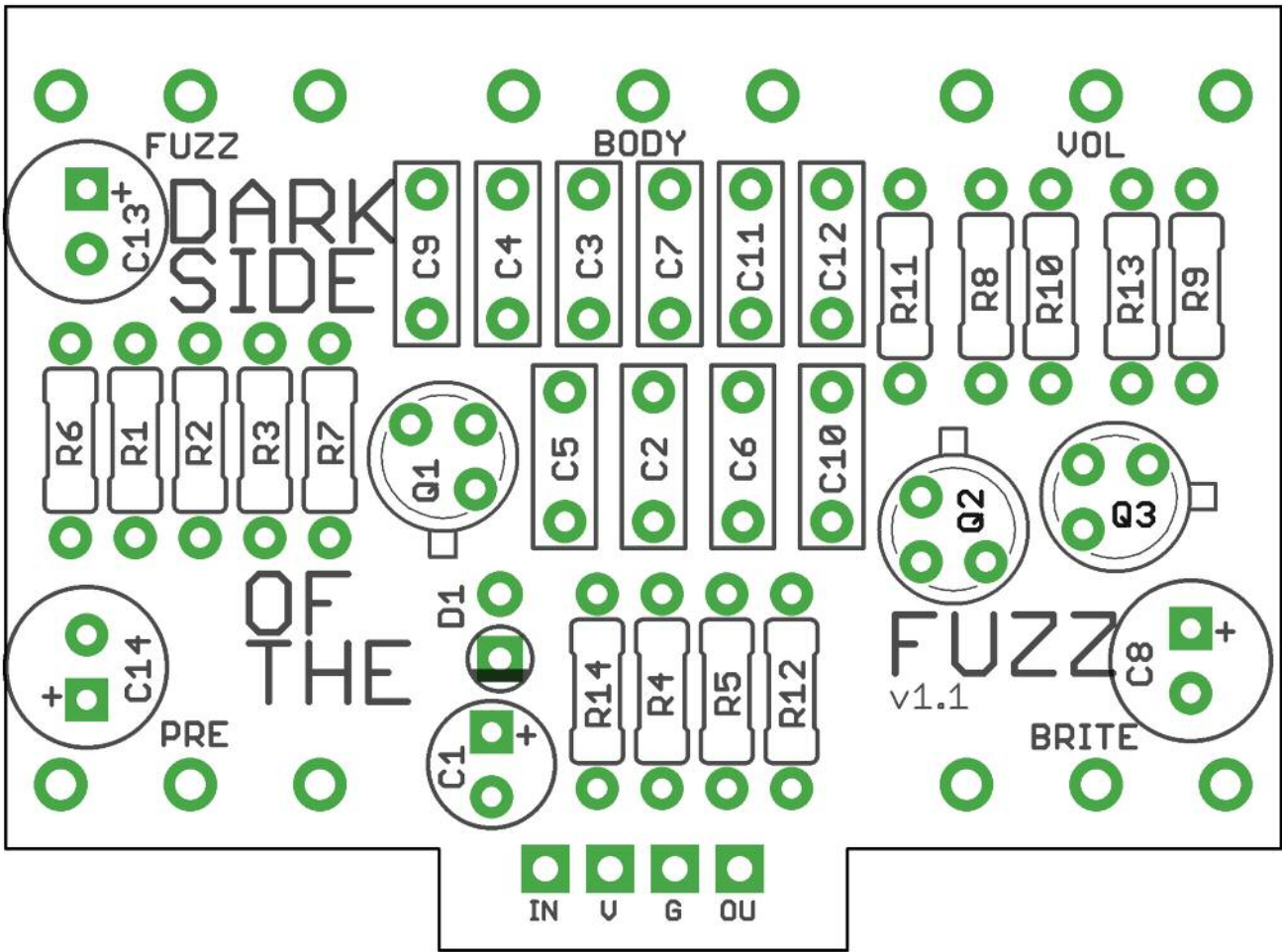
*Optional anti-pop resistor not in original circuit.

**2.5mm pitch required, or you can bend the legs of a 5mm cap.

***Other NPN germaniums will be totally fine. We're not aware of anyone measuring the hFE of the transistor in an original unit. We used 172hFE and it worked well.

You may wish to stick with BODY, as it gets fatter clockwise. Don't like it? Swap legs 1 & 3.



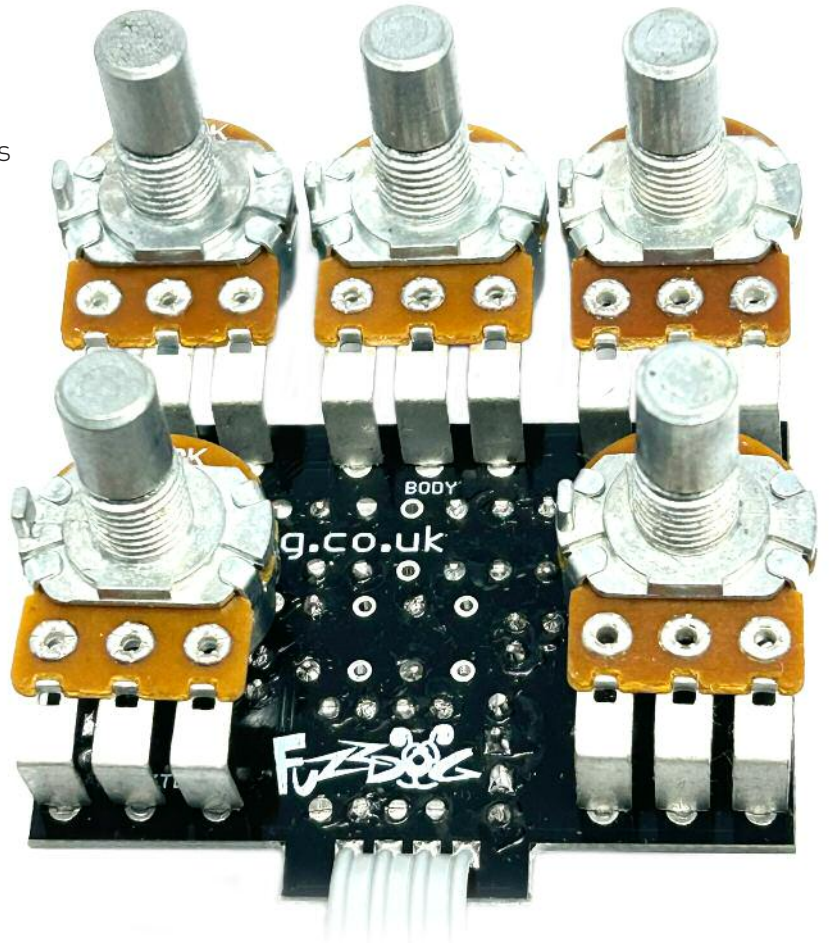


Snap the small metal tag off the pots so they can be mounted flush in the box.

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.

There's room to lay the large 100u caps flat as shown in the cover image. This will give you plenty of clearance in the enclosure.



Drilling template

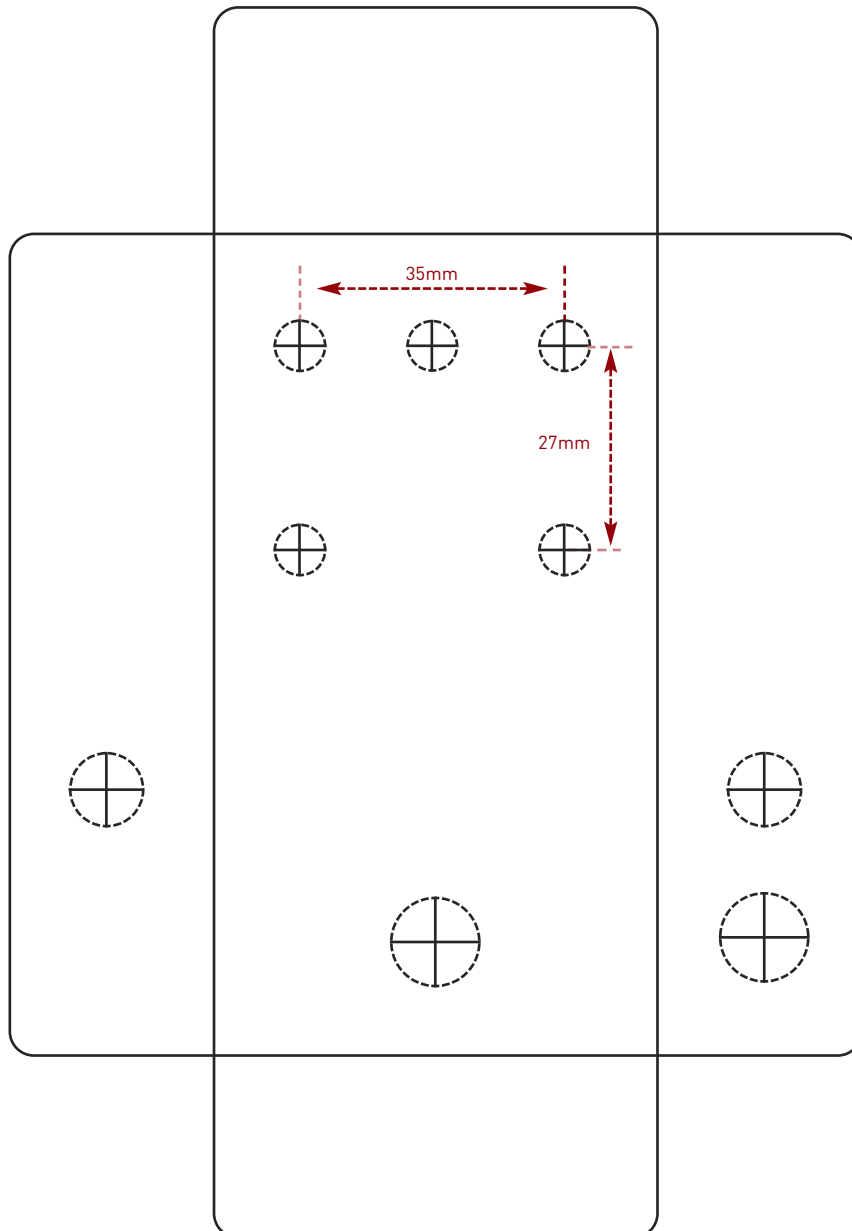
Hammond 1590B - 60 x 111 x 31mm

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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