

Ge Blue Boo

Germanium boost with
handy pickup emulator

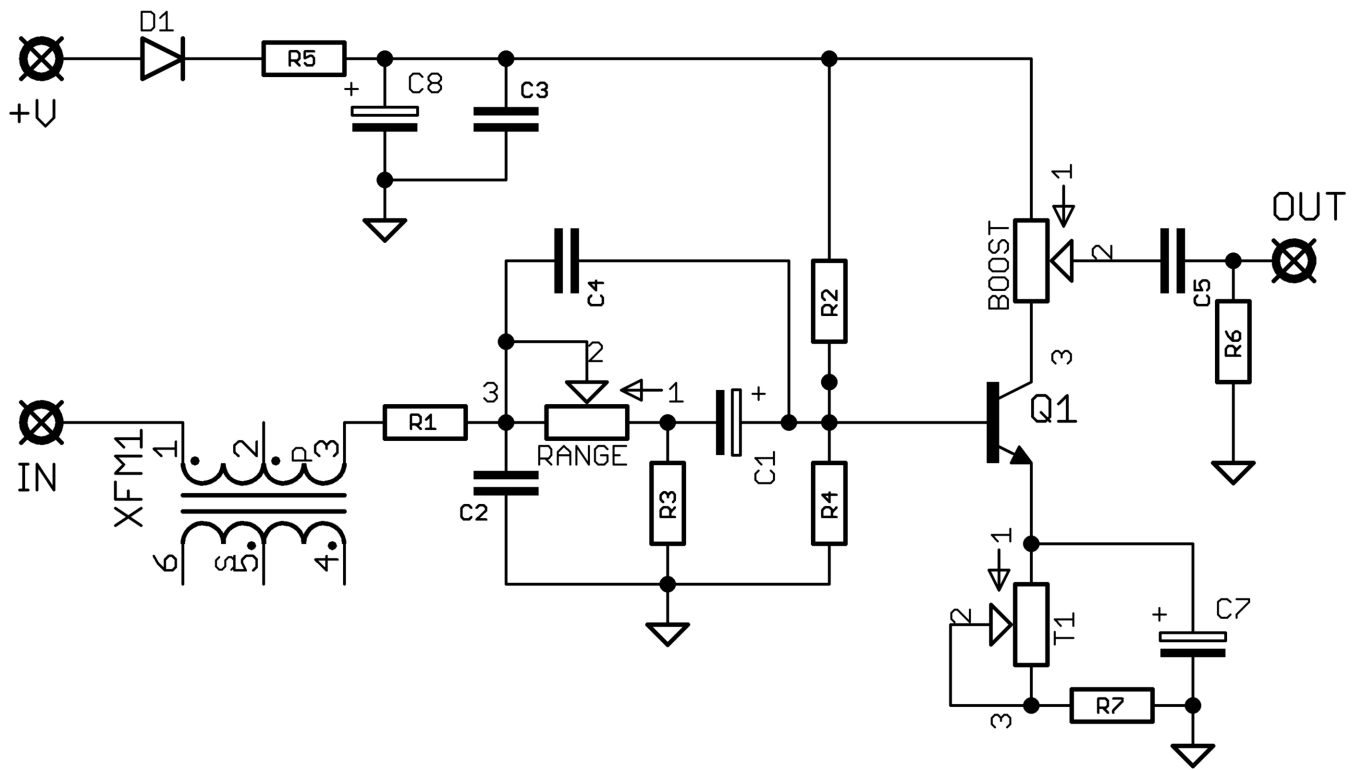


Before you dig in, ensure you download and read the **General Build Guide**.

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

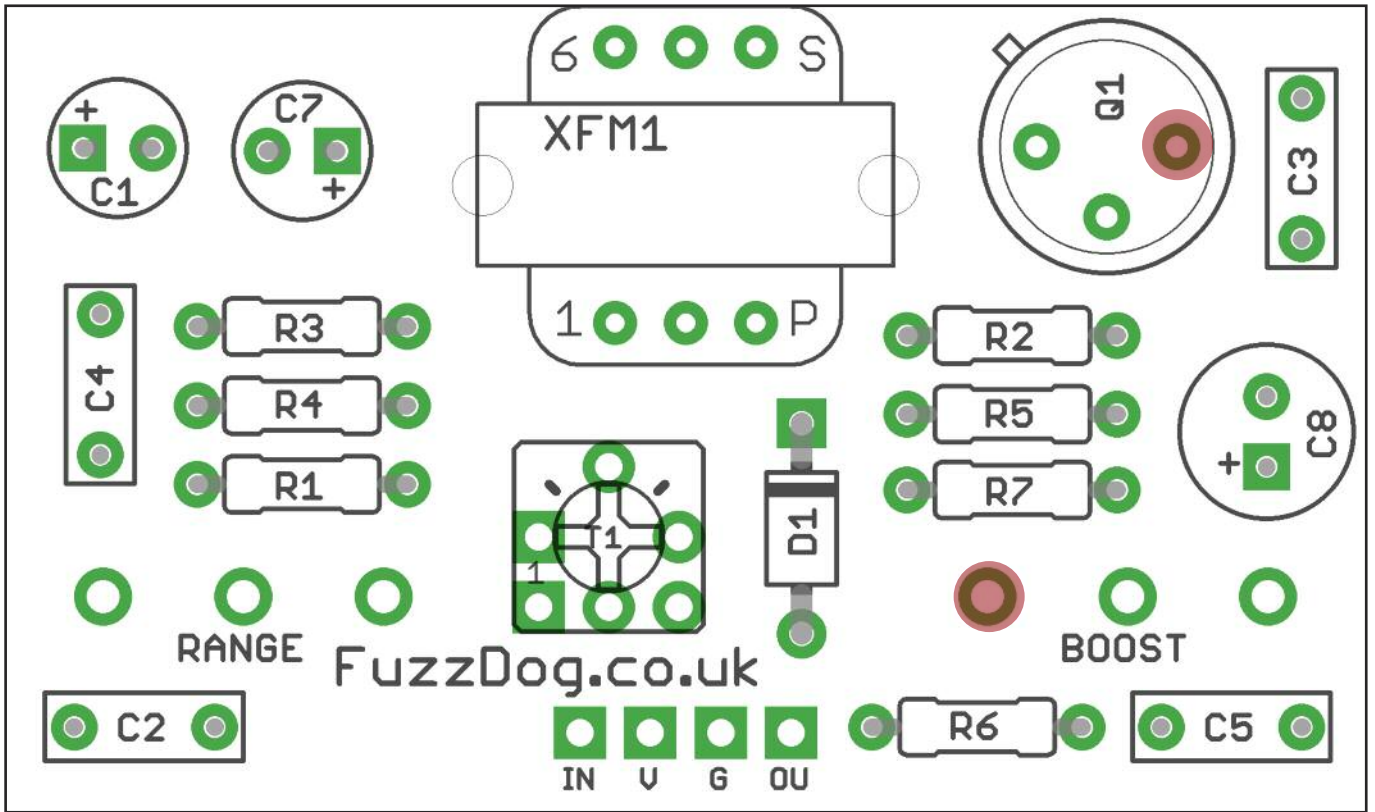


Schematic + BOM



R1	10K	C1	2u2 elec	Q1	NPN germanium*
R2	470K	C2	1n	D1	1N5817
R3	1M	C3	100n	RANGE	100KB
R4	68K	C4	4n7	BOOST	10KB
R5	22R	C5	10n	XFM1	42TL019
R6	1M	C7	22u elec		
R7	1K	C8	100u elec		
T1	10K Trimmer				

*Original is CV7351 with hFE <>300. Try any of the usual suspects such as AC176.



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.

BIASING

Turn your Boost pot fully clockwise.

Adjust your T1 trimmer until you get around 5.8V on the collector of Q1. This can be measured on pin 3 of BOOST as it's more accessible.

Feel free to adjust to your own taste.

Drilling template

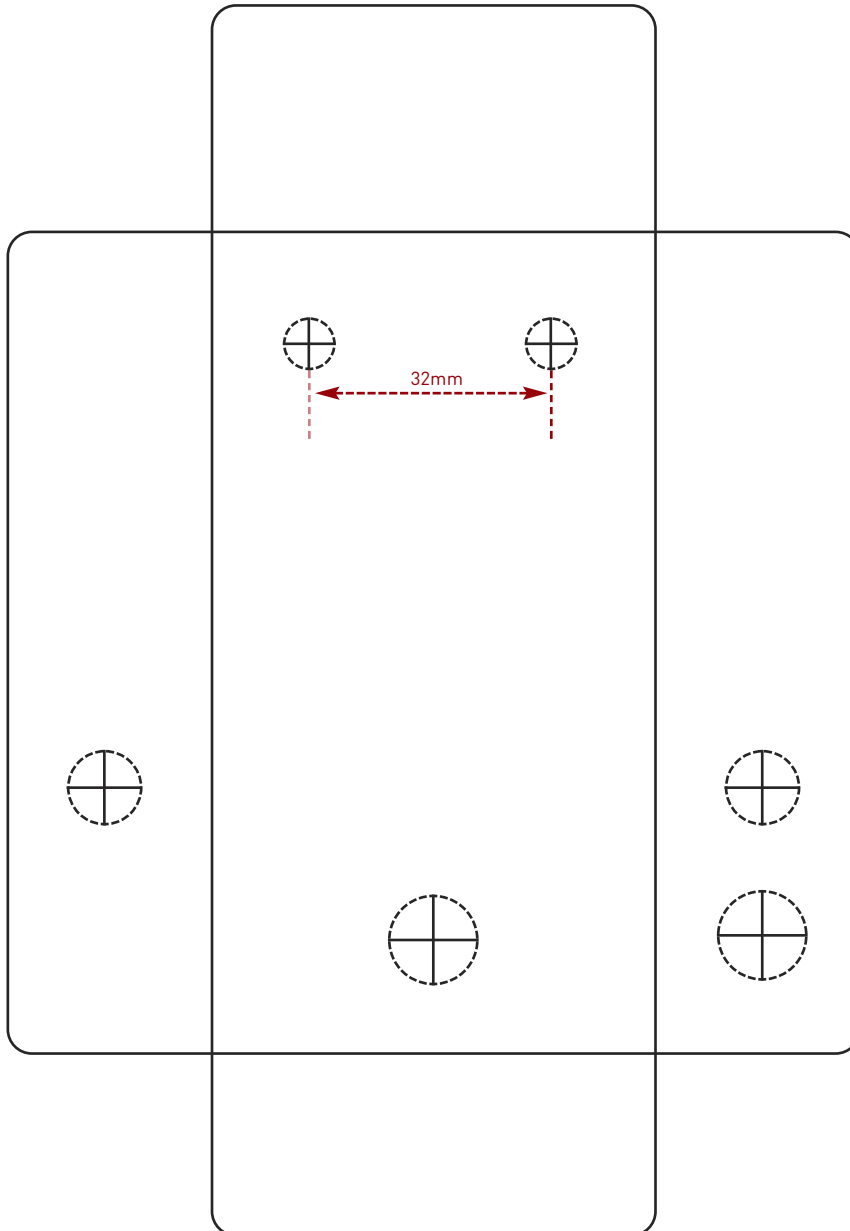
Hammond 1590B - 60 x 111 x 31mm

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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