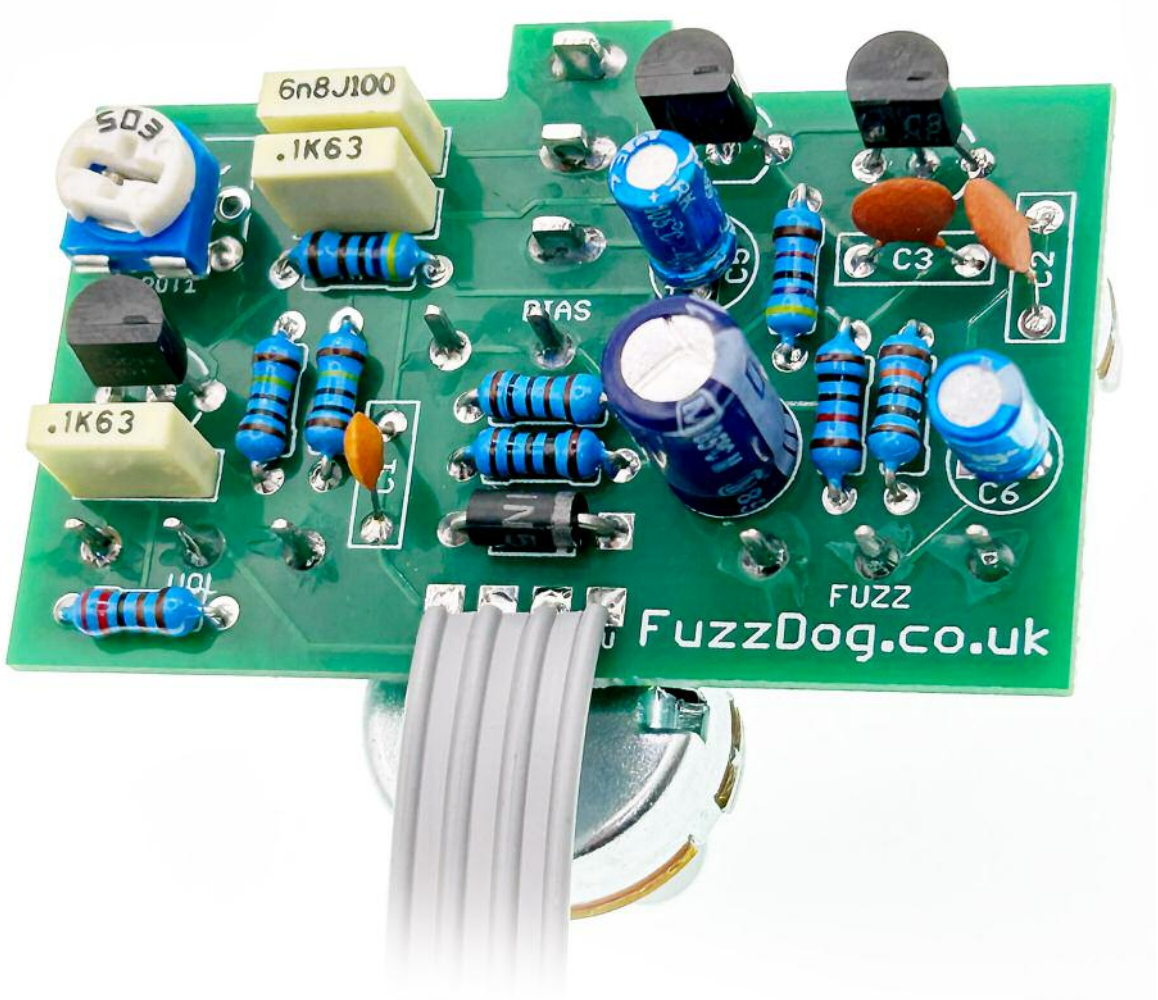
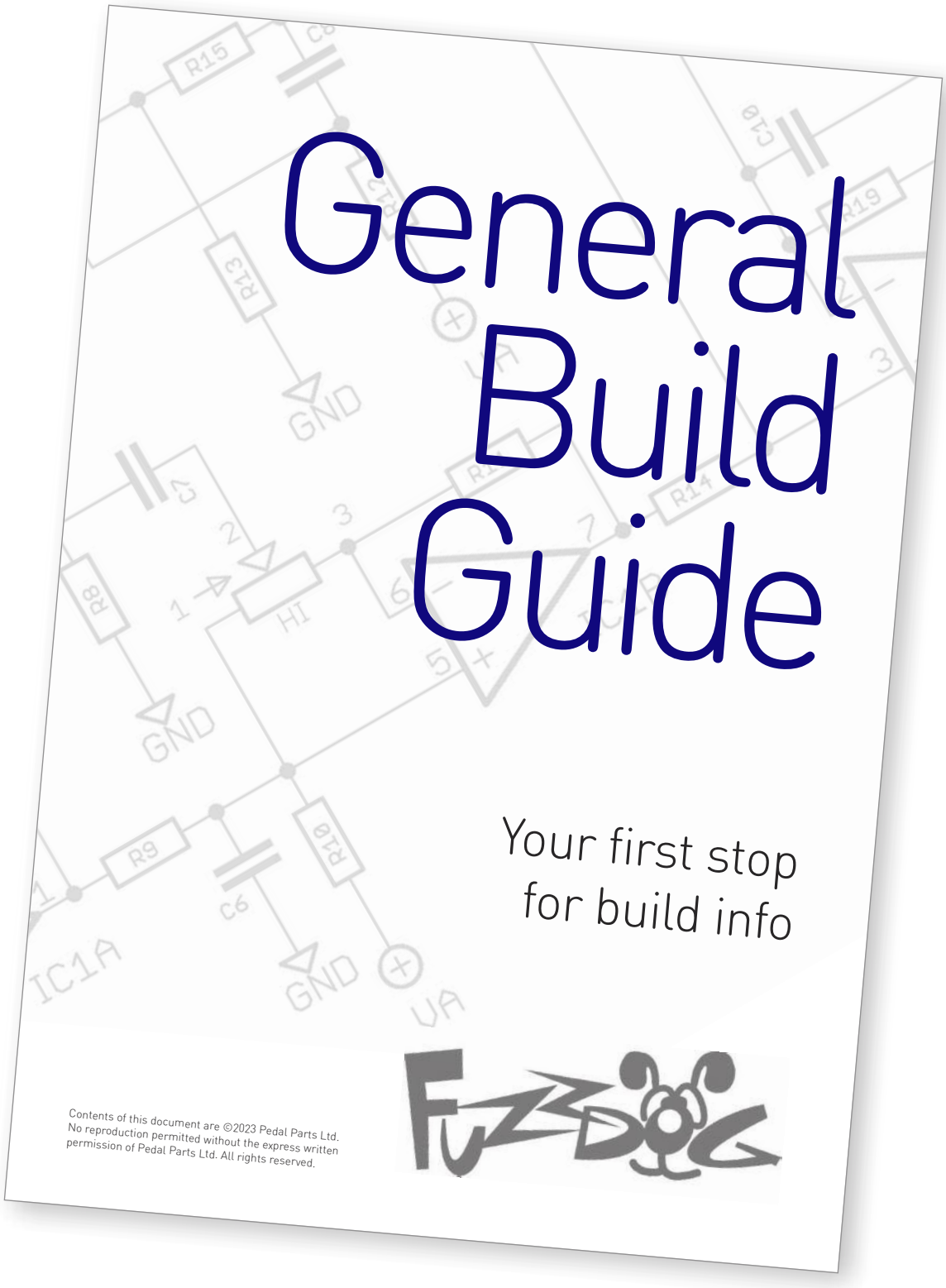


Pinkish Bender

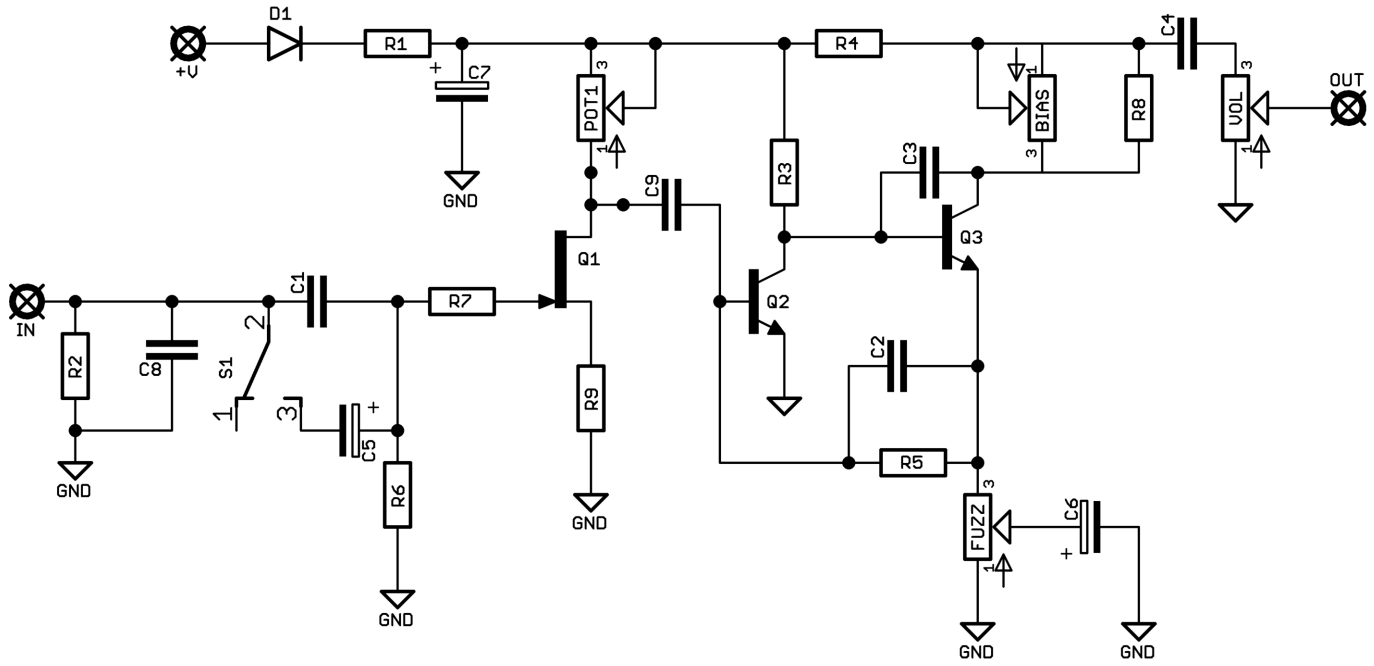
Silicon Tone Bender vibes with a FET up front

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

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

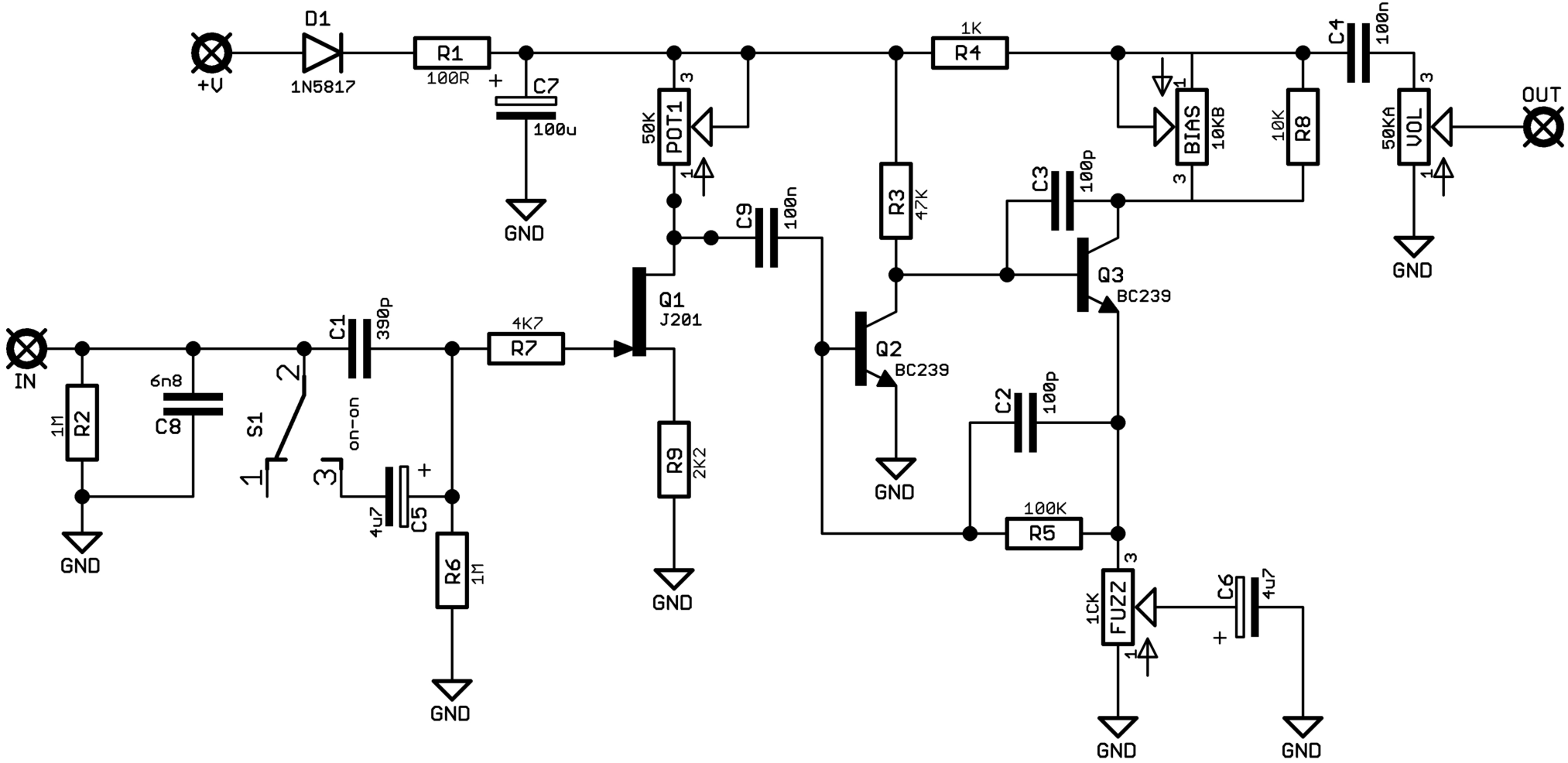


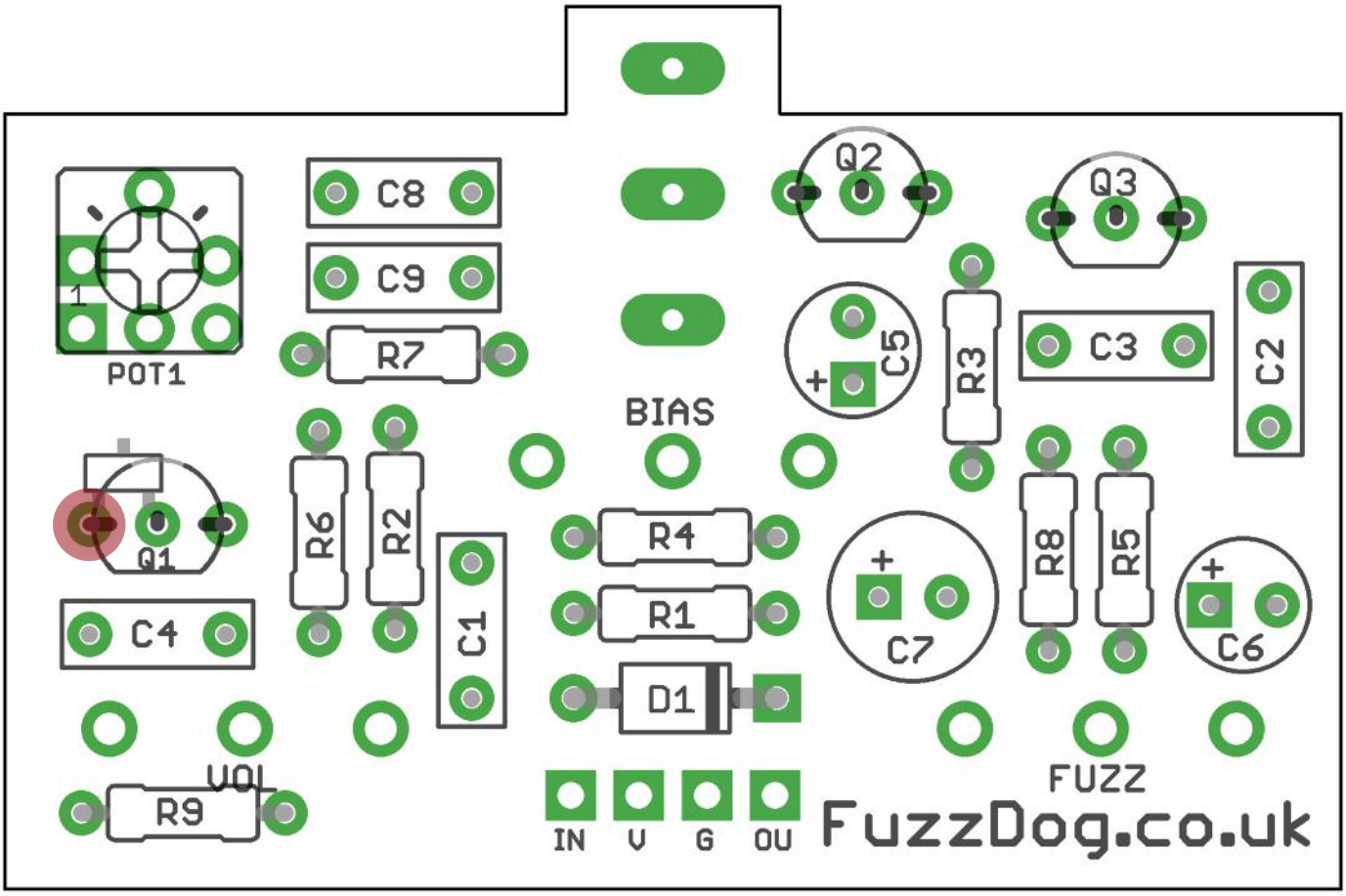
Schematic + BOM



R1	100R	C1	390p	D1	1N5817
R2	1M	C2	100p		
R3	47K	C3	100p	Q1	J201/MMBF201
R4	1K	C4	100n	Q2-3	*
R5	100K	C5	4u7 elec		
R6	1M	C6	4u7 elec	BIAS	10KB
R7	4K7	C7	100u elec	FUZZ	1KC
R8	10K	C8	6n8	VOL	50KA
R9	2K2	C9	100n		
				POT1	50K trimmer
				S1	SPDT on-on

*Originals have been released with BC239 and BC183 transistors. There's nothing special about these. Try your favourite low-gain BJTs, such as 2N3903/2N3904. The silkscreen on the PCB shows the orientation for the latter (EBC). If you're using BC239 or BC183 these need to be reversed (CBE).


+V
D1
1N5817
R1
100R
C7
100u
GND
50K
POT1
1K
R4
BIAS
10KB
10K
R8
C4
100n
50KA
VOL
OUT
C3
100p
R3
47K
C9
100n
Q3
BC239
Q1
J201
Q2
BC239
IN
1M
R2
6n8
C8
S1
on-on
C1
390p
4K7
R7
4u7
C5
R6
1M
R9
2K2
C2
100p
100K
R5
1CK
FUZZ
C6
4u7



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

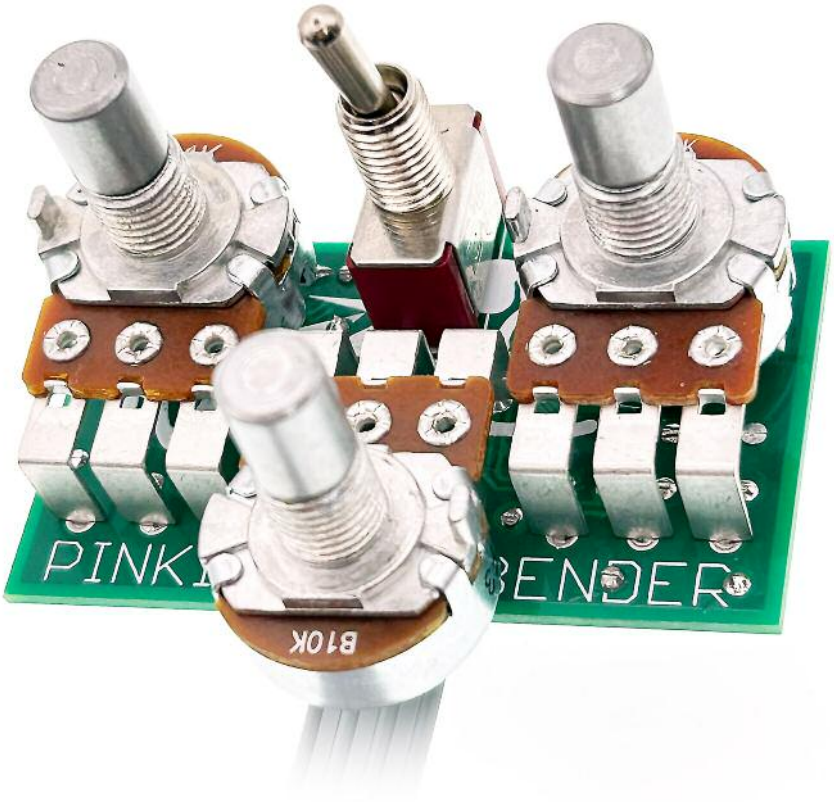
You should solder all other board-mounted components before you solder the pots.

Once they're in place you'll have no access to much of the board.

BIASING Q1

Use a multimeter to adjust the voltage on Q1 to around 4.5V.

Common lead to any ground point (such as the G pad), + lead to the leg marked in red above.



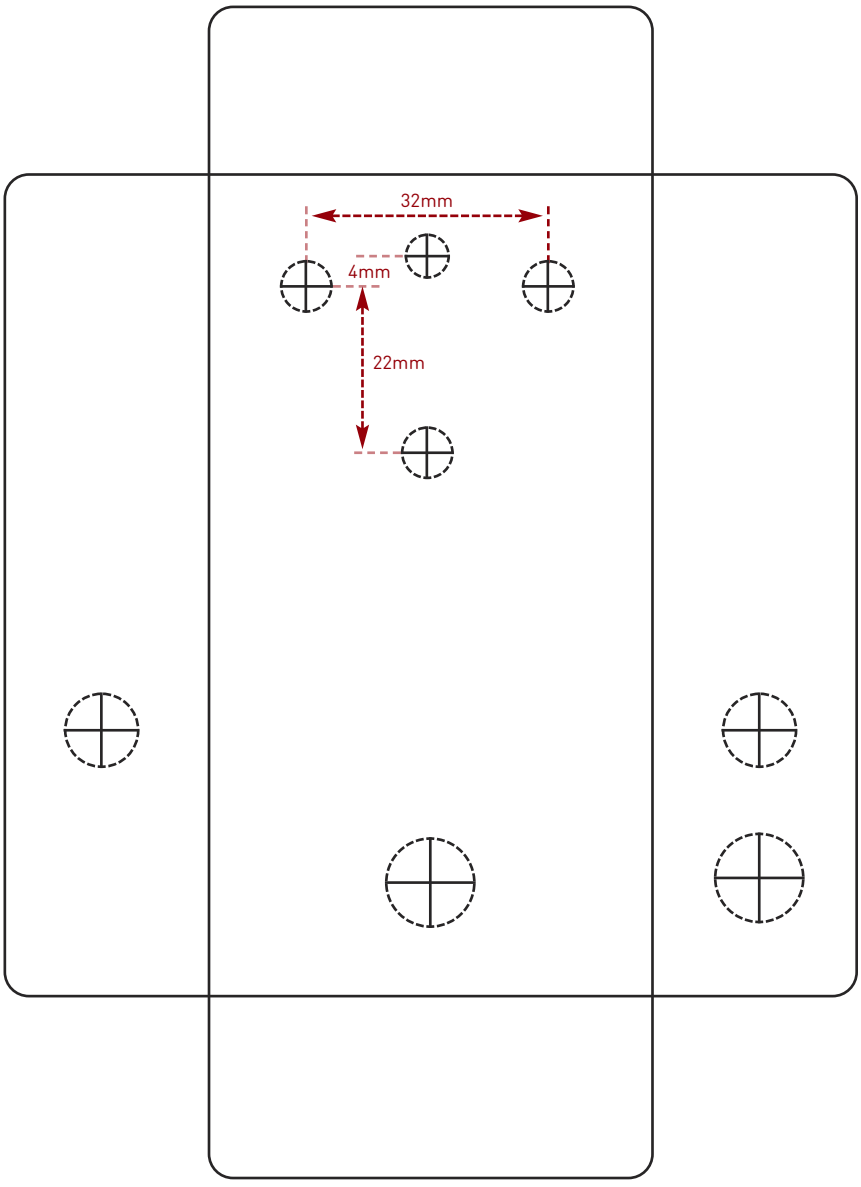
Drilling template

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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