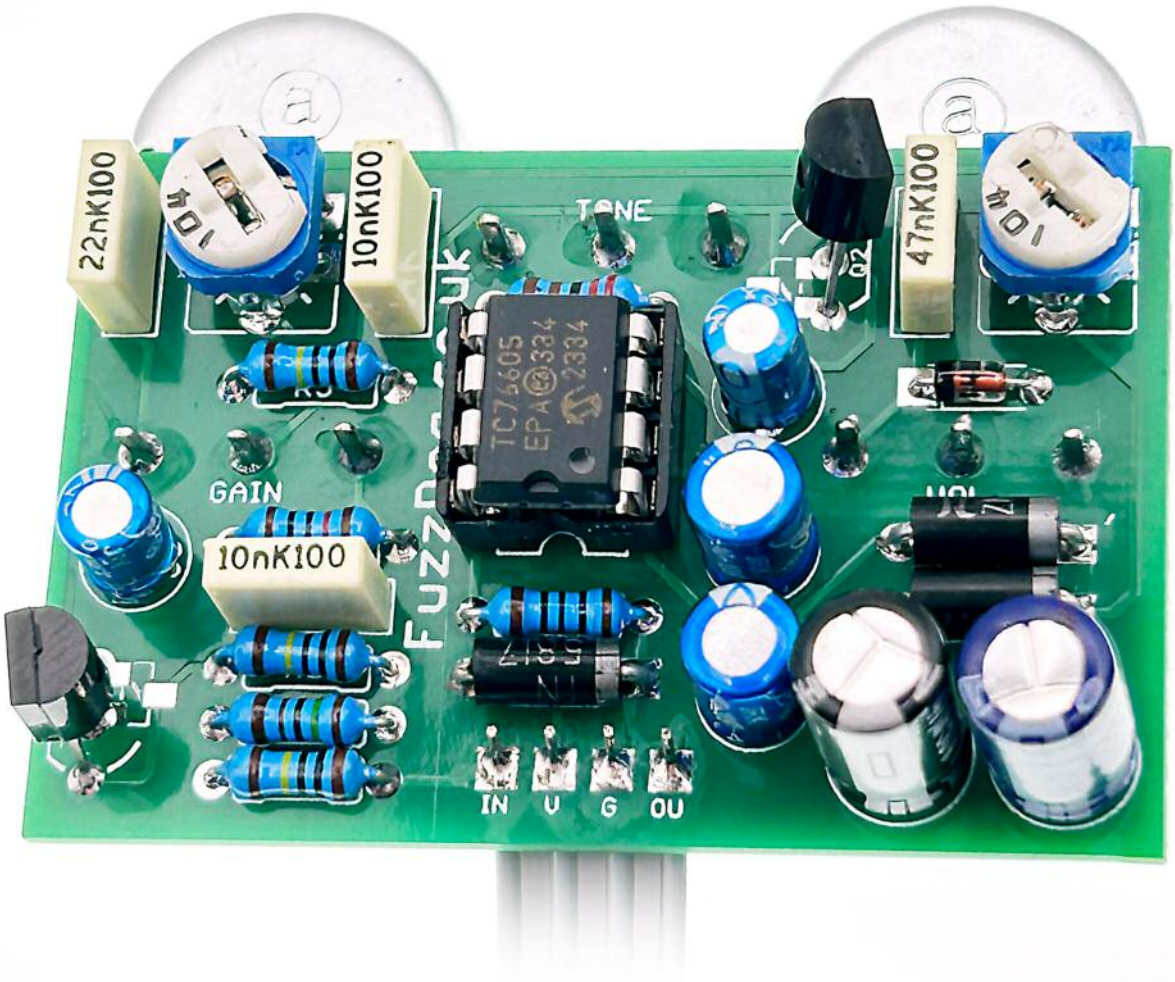
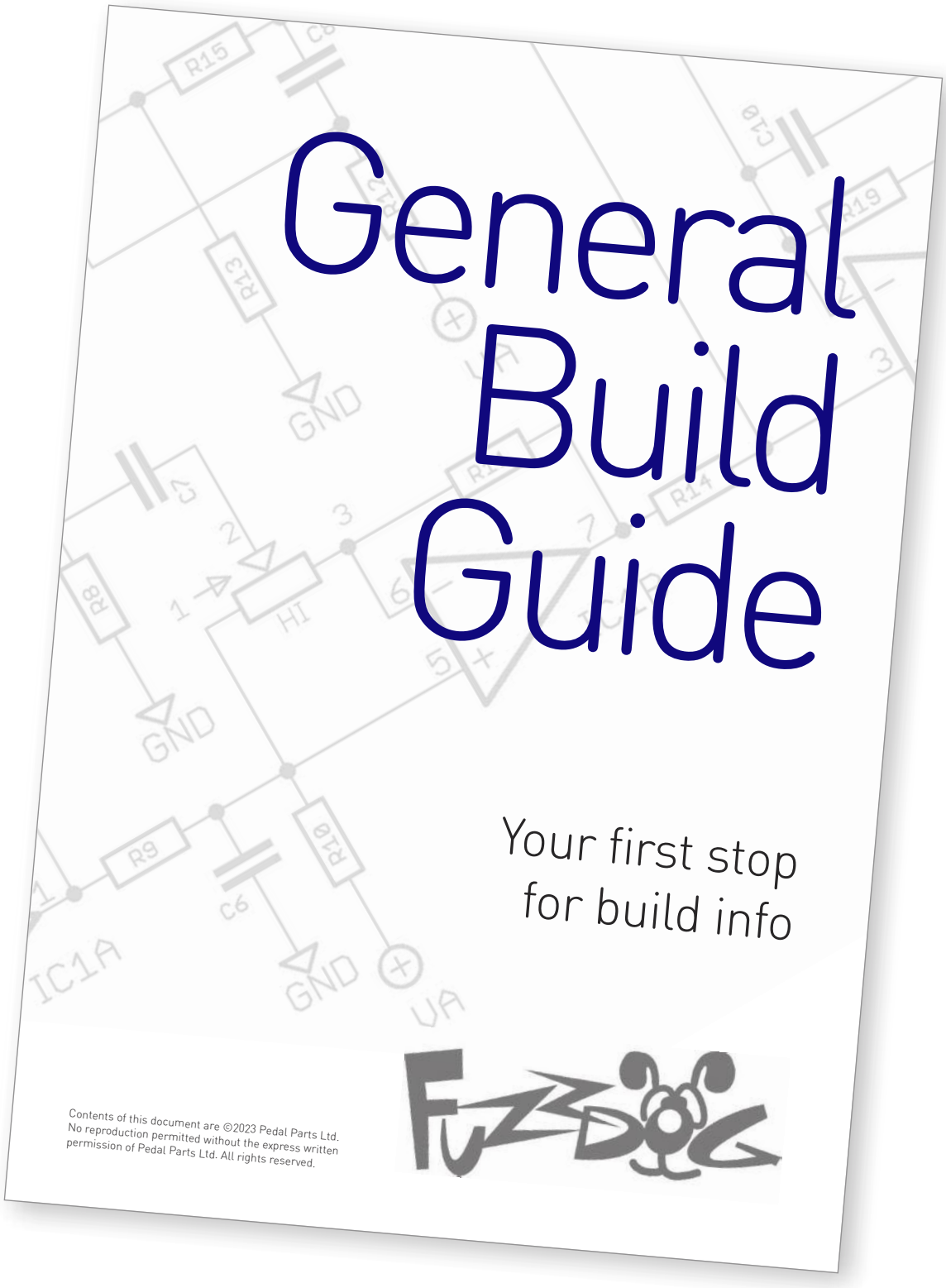


Blue Moon

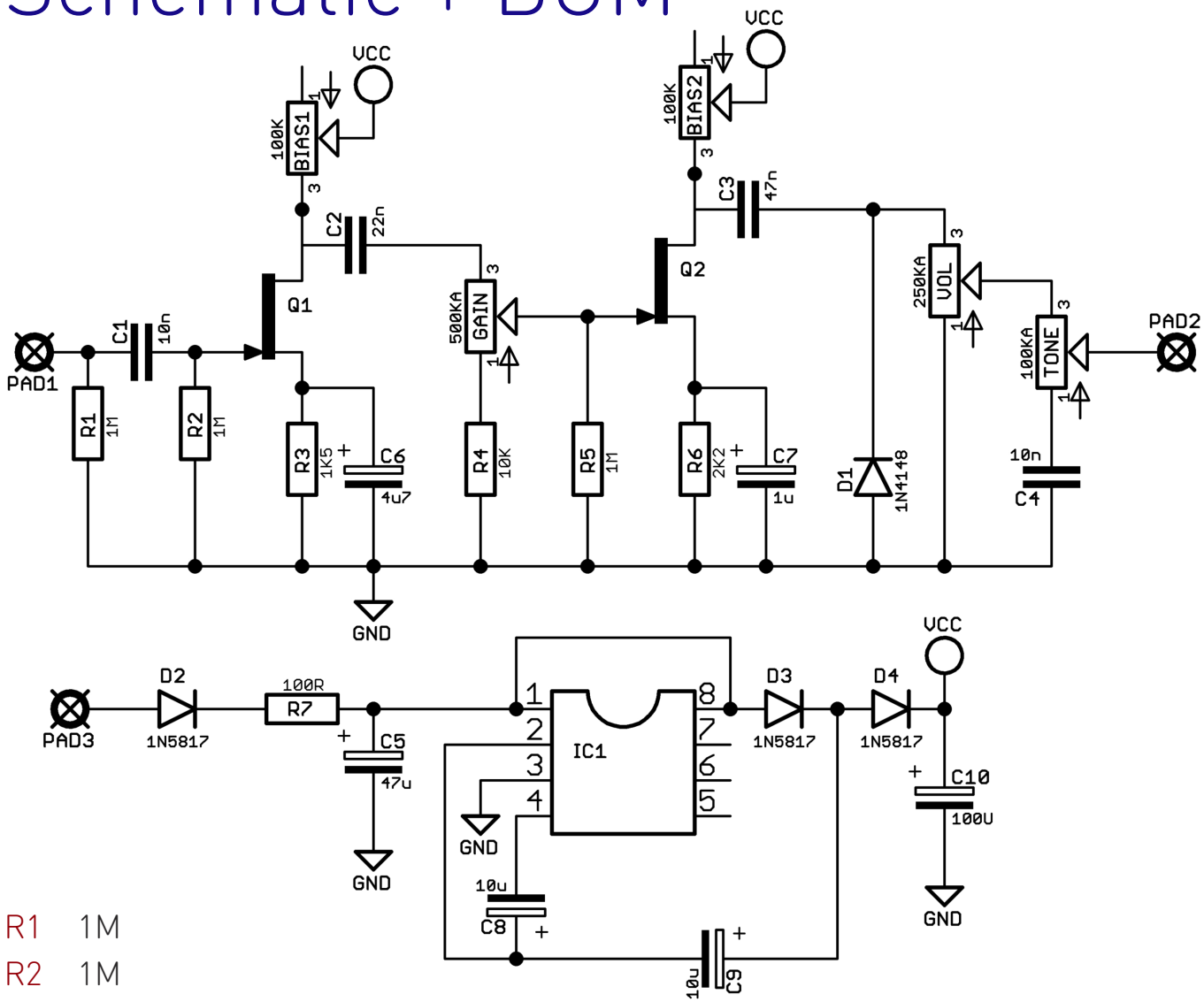
Tube-like drive tones

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

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



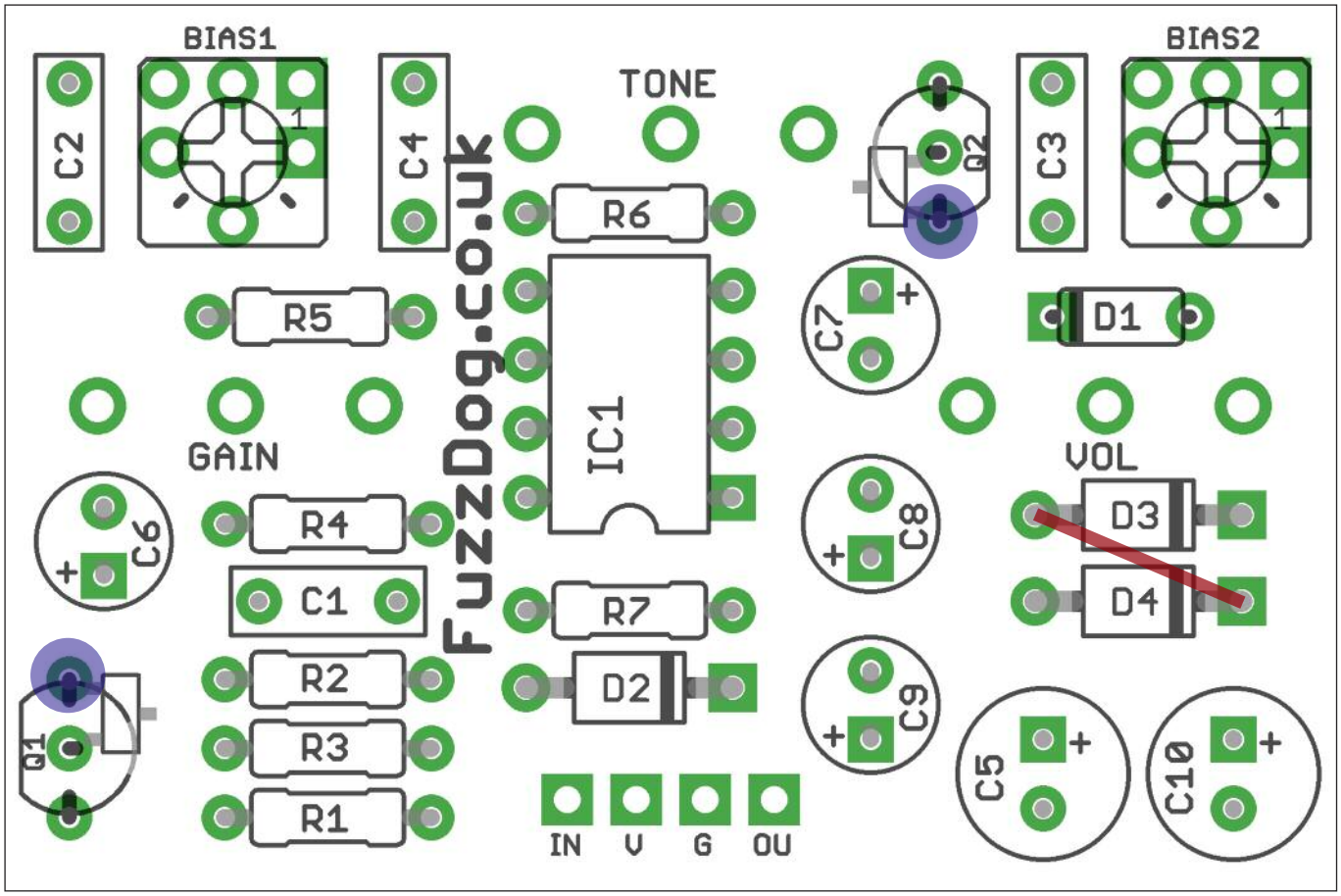
Schematic + BOM



R1	1M
R2	1M
R3	1K5
R4	10K
R5	1M
R6	2K2
R7	100R
C1	10n
C2	22n
C3	47n
C4	10n
C5	47u elec
C6	4u7 elec
C7	1u elec
C8	10u elec*
C9	10u elec*
C10	100u elec*
D1	1N4148
D2	1N5817
D3-4	1N5817*
Q1-2	2N5457**
IC1	7660SEPA/LT1054*
GAIN	500KA
TONE	100KA
VOL	250KA
BIAS1-2	100K

*These parts are for an optional charge pump to power the circuit at a little under 18V for extra headroom. If you want to stick with 9V, or you want to power it with an 18V supply, leave these out and place a jumper as shown on page 4.

**Original uses 2SK208-R but there's no magic in those.

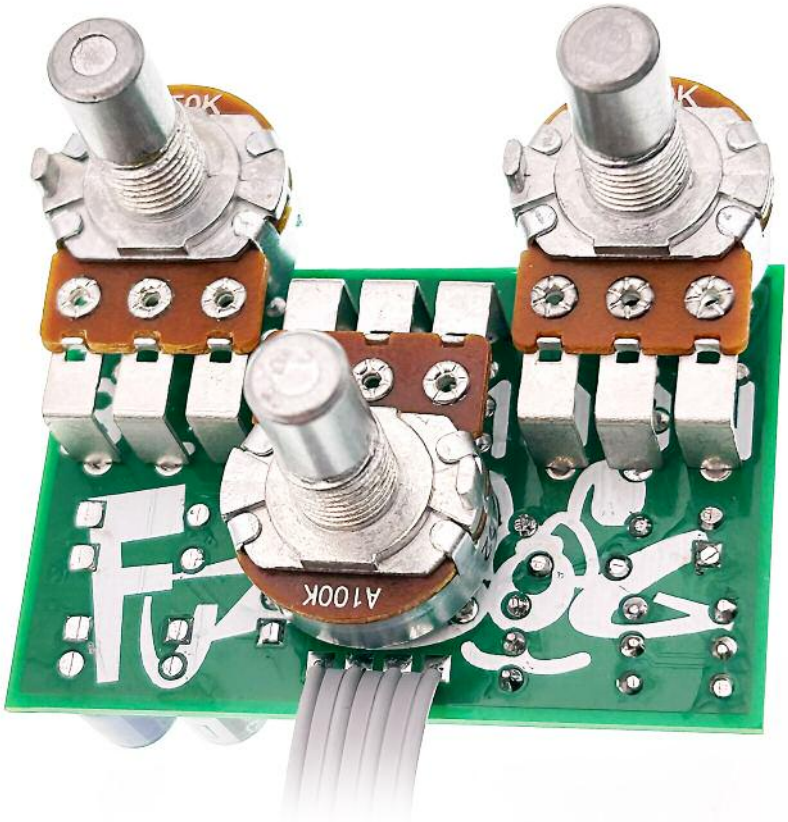


Snap the small metal tag off the pots so they can be mounted flush in the box.

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.

If you aren't using the charge pump place a jumper as shown in red above.



BIASING

Adjust the trimmers until you get around half your supply voltage on the FETs marked in blue above. If you're using the charge pump, check the voltage on the cathode (striped leg) of D4 for your supply voltage. Otherwise measure on the V pad.

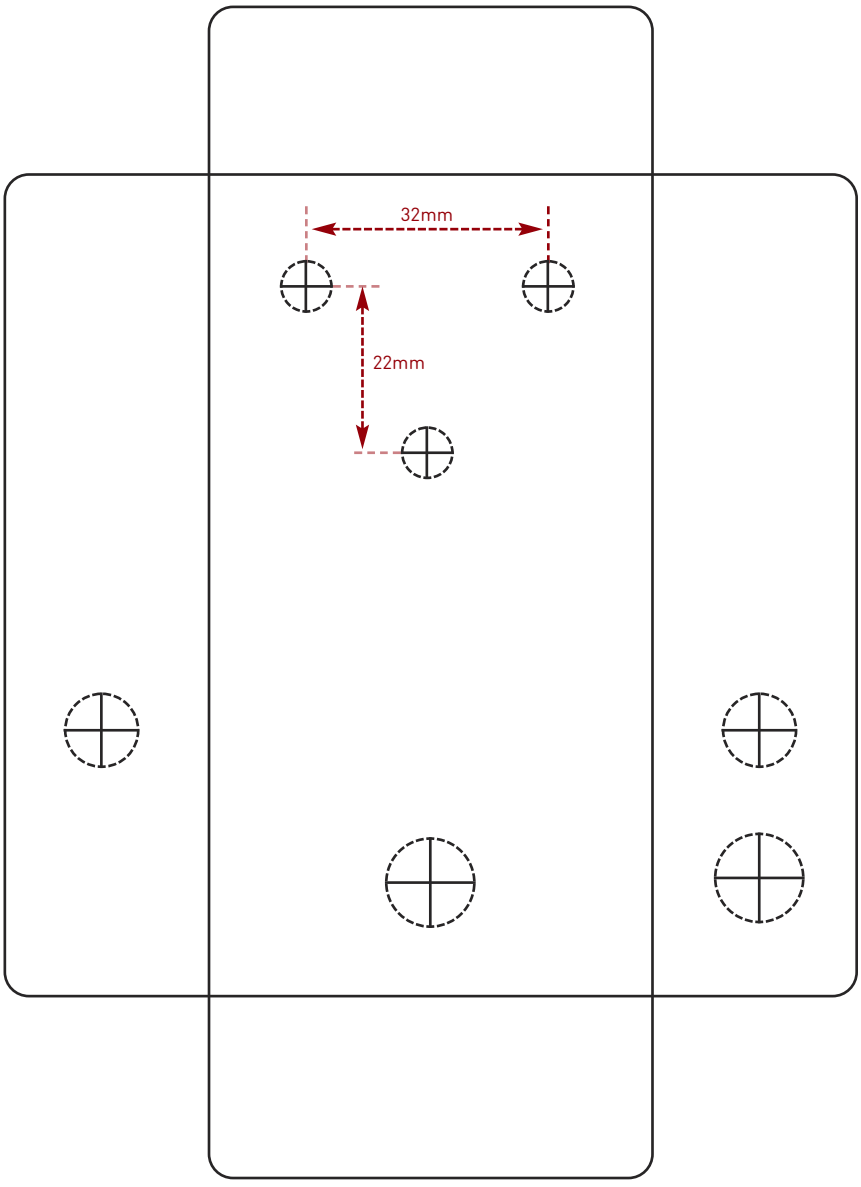
Drilling template

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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