

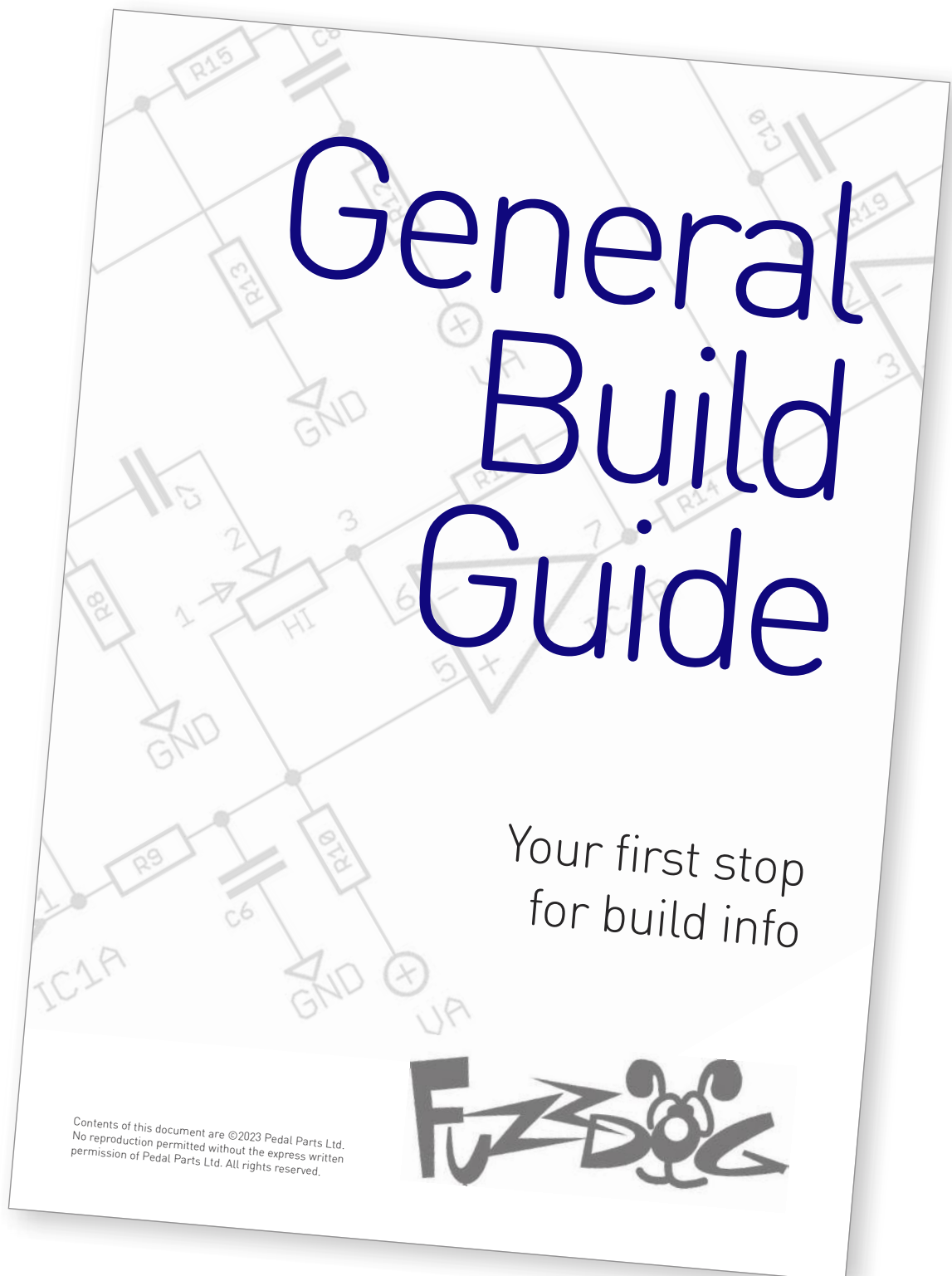
# What Filter? Fuzz

Silicon Fuzz Face-alike  
with filter fun

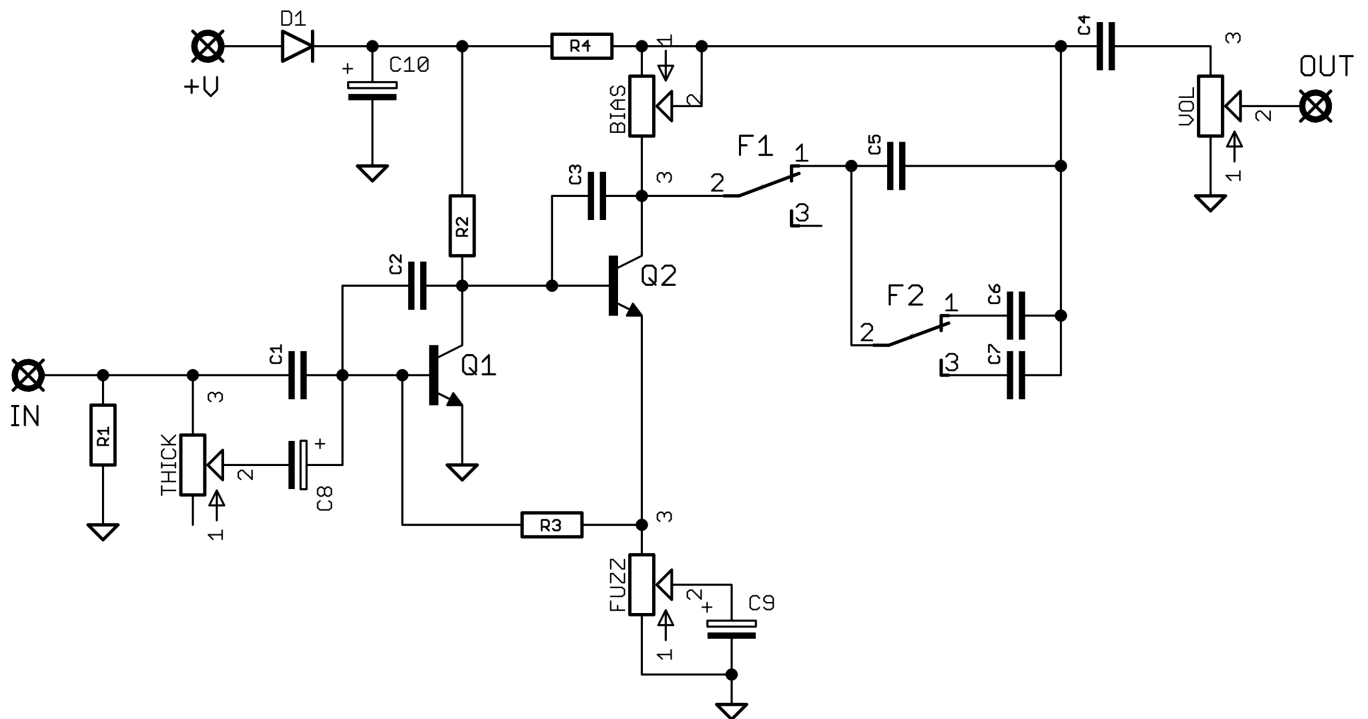


Before you dig in, ensure you download and read the **General Build Guide**.

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



# Schematic + BOM

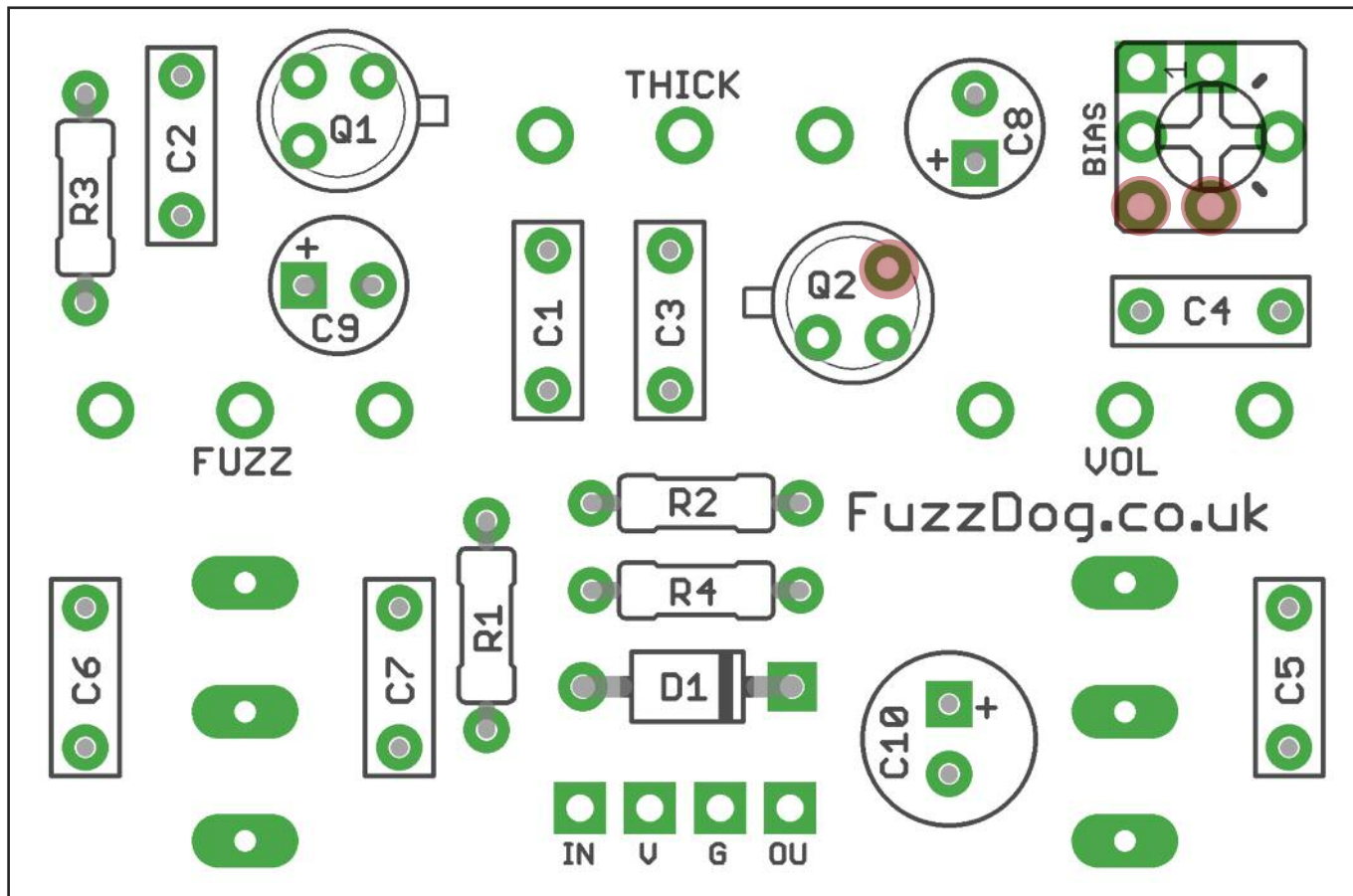


R1 10M  
R2 18K  
R3 120K  
R4 1K5

C1 10n  
C2 470p  
C3 1n  
C4 100n  
C5 10n  
C6 56n  
C7 22n  
C8 1u elec  
C9 22u elec  
C10 100u elec

Q1-2 BC109C  
D1 1N5817  
BIAS 50K Trimmer  
FUZZ 5KC  
THICK 100KB  
VOL 500KA

F1 SPDT ON-ON  
F2 SPDT ON-OFF-ON



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.

## FILTER SWITCHES

The original has a single rotary switch for the filter, ranging from off through to the largest frequency. We have no love for rotary switches. They're often the weakest point of a build, and are awkward to accommodate physically, so we've gone for toggles instead.

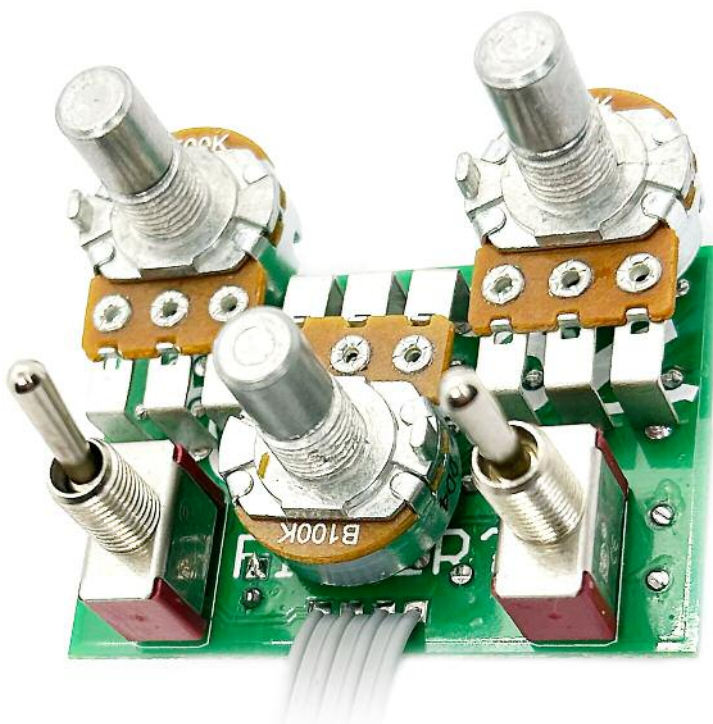
Looking at the face of your enclosure, the left toggle is Filter On (up) - Off (down).

The right switch toggles between the three frequencies.

## BIASING

Set your multimeter to DC Voltage. Common probe on any ground point, + probe on any point marked in red above.

Adjust BIAS until you get around 4.5-5V. Tweak to your personal taste from there.



# Drilling template

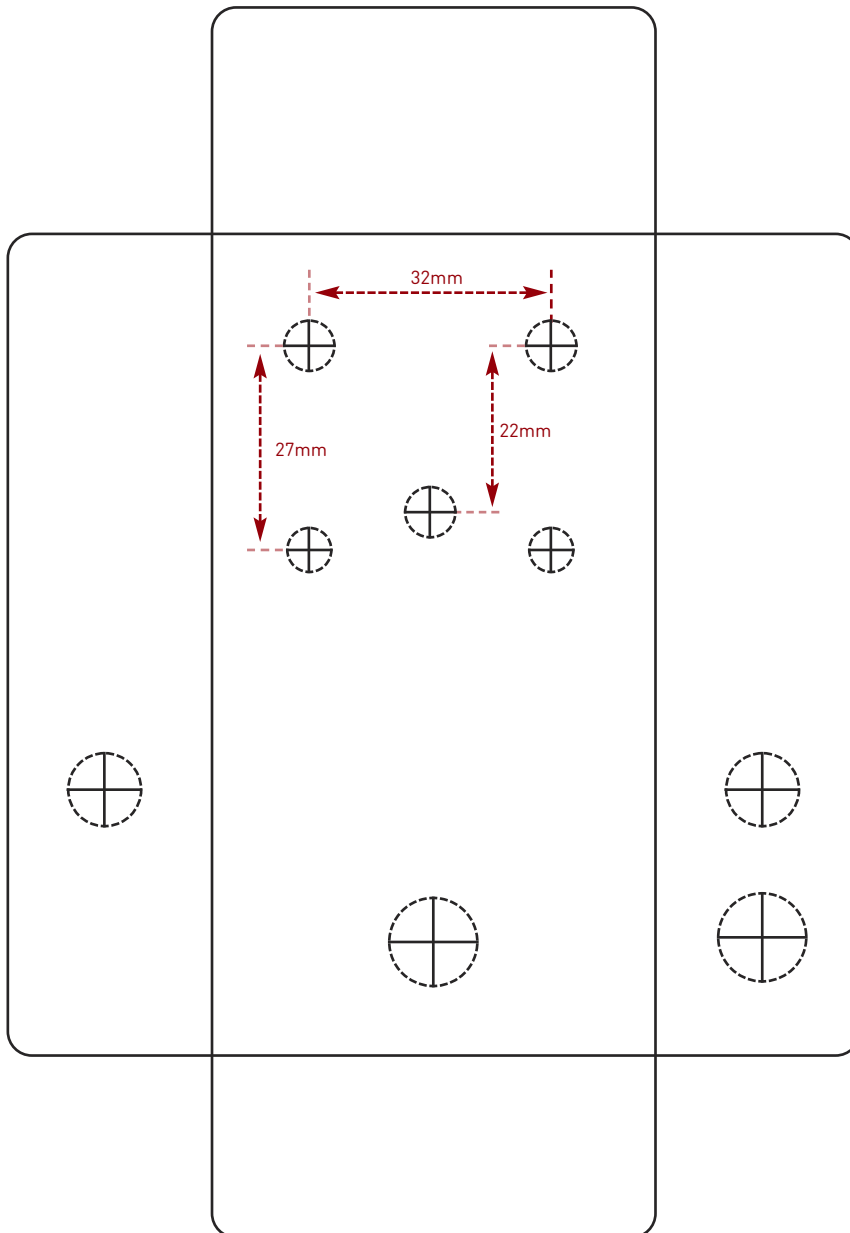
**Hammond 1590B - 60 x 111 x 31mm**

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.

[FuzzDog.co.uk](http://FuzzDog.co.uk)