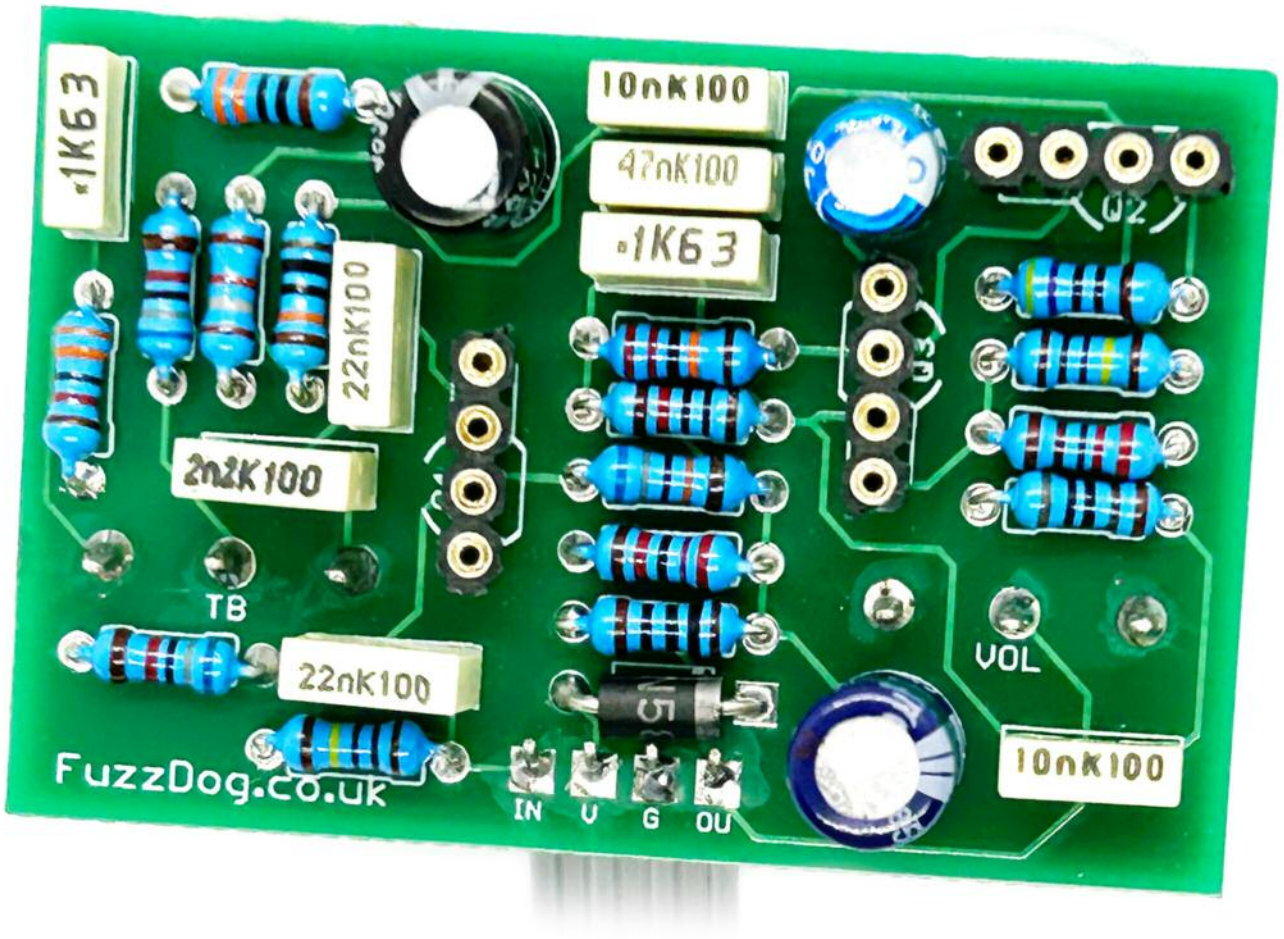
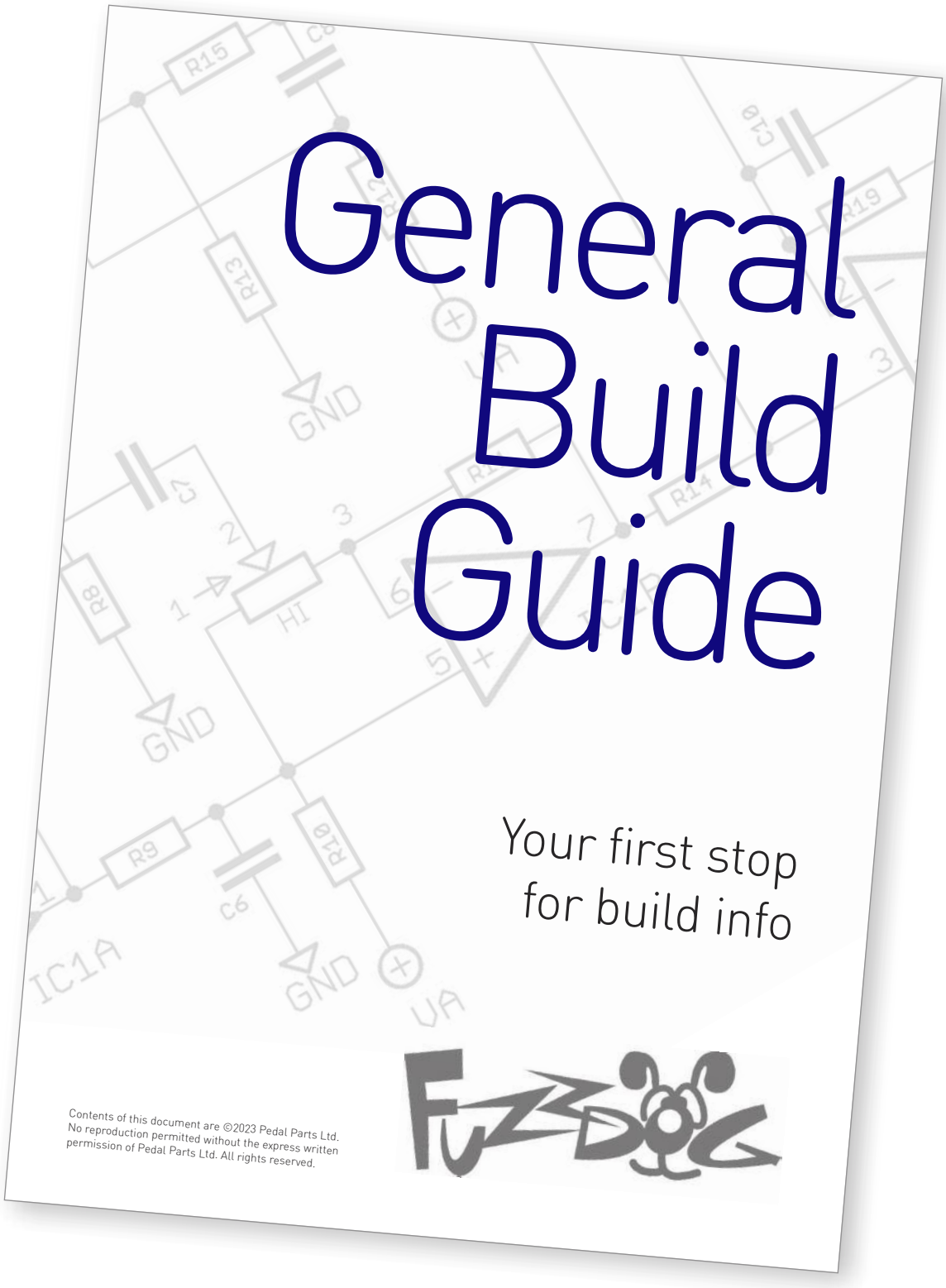



# Vox MkIII with T/B

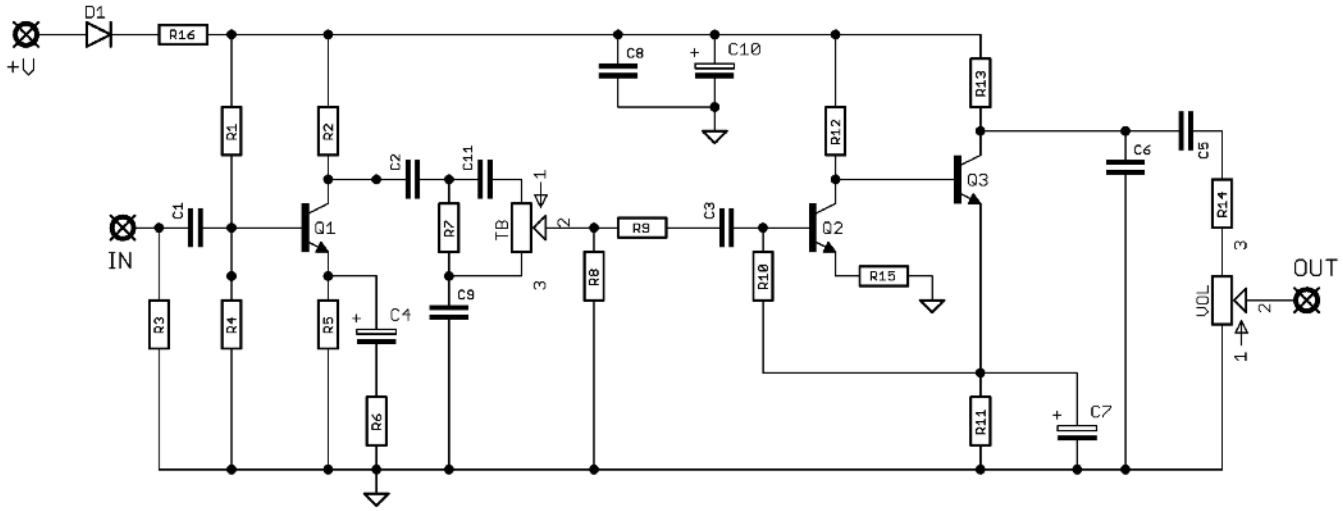
## Silicon Tone Bender variant with treble/bass control

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



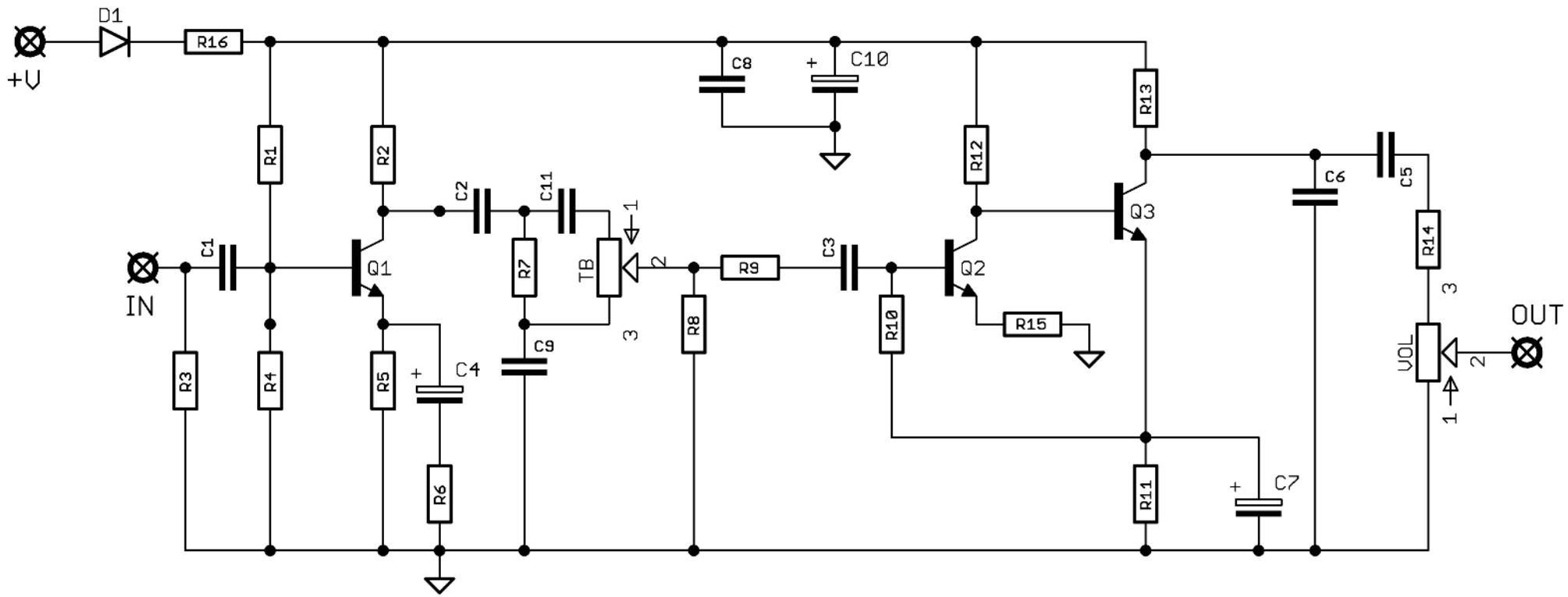

| | |
|---|---|
| R1 | 680K |
| R2 | 22K |
| R3 | 1M |
| R4 | 68K |
| R5 | 1K8 |
| R6 | 330R |
| R7 | 33K |
| R8 | 68K |
| R9 | 100K |
| R10 | 1M |
| R11 | 2K2 |
| R12 | 220K |
| R13 | 10K |
| R14 | 10K* |
| R15 | 470R |
| R16 | 100R |

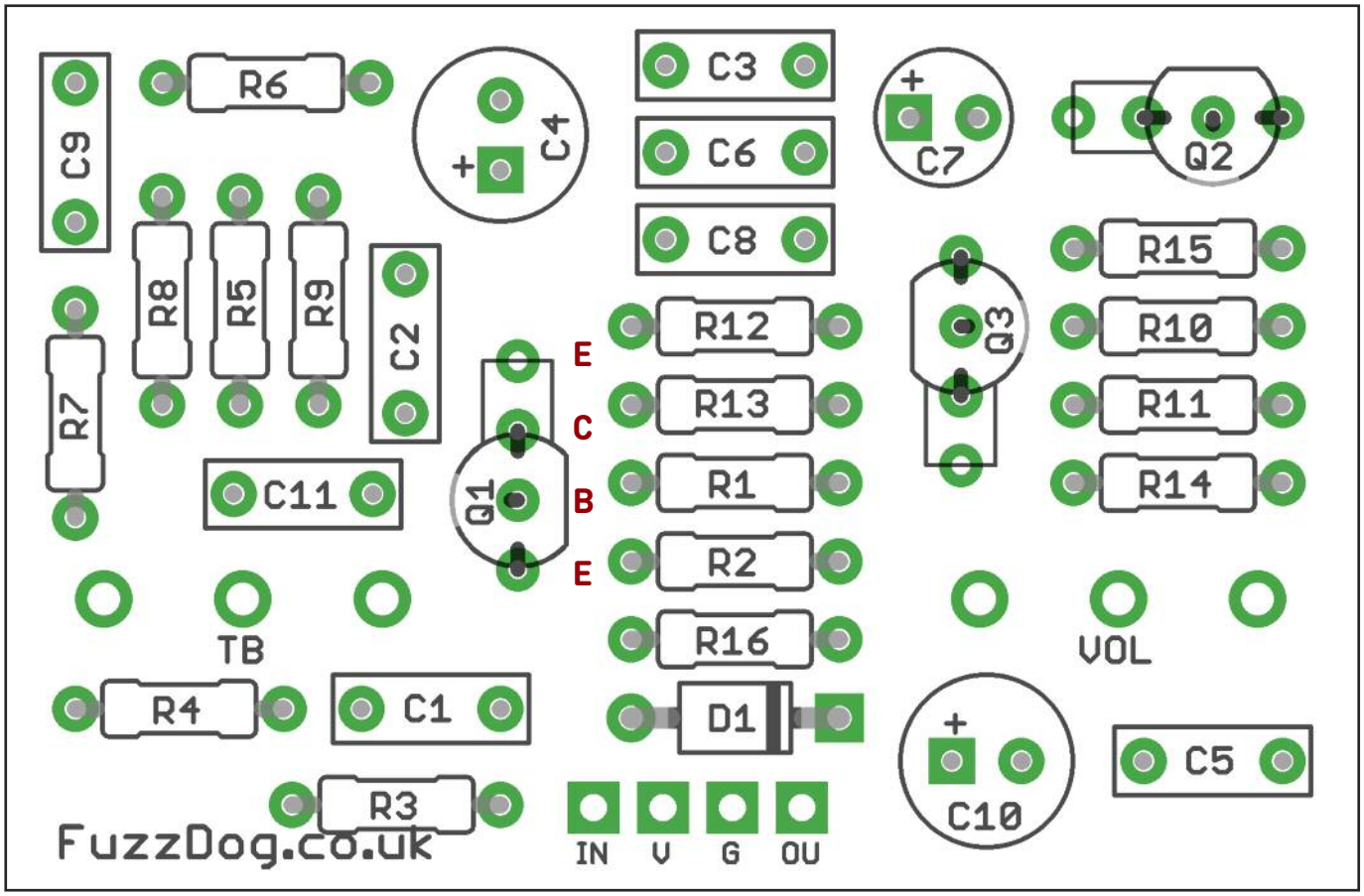
| | |
|---|---|
| C1 | 22n |
| C2 | 22n |
| C3 | 10n |
| C4 | 22u elec |
| C5 | 10n |
| C6 | 47n |
| C7 | 10u elec |
| C8 | 100n |
| C9 | 100n |
| C10 | 100u elec |
| C11 | 2n2 |

| | |
|---|---|
| D1 | 1N5817 |
| Q1** | 2N2926 |
| Q2** | 2N2926 |
| Q3** | 2N2926 |
| T/B | 100KB |
| VOL | 100KA |

*Originally 220K, but it really drops the volume. Up to you.

**Mojo obsoleteness, but go ahead if you can get your hands on some. After doing some comparisons with the original cans we found Q1-2 around 160-200hFE, and Q3 between 250-300hFE to be pleasant.
We ended up with Q1-2 PN2222A, Q3 2N5210.
See page 5 for info on pinouts.


+U
D1
R16
R1
R2
C8
C10
R13
R12
C6
C5
C2
C11
1
Q3
R14
C1
Q1
R7
TB
2
R9
C3
Q2
3
OUT
IN
R8
R10
R15
R3
R4
R5
C4
C9
VOL
2
3
1
R6
R11
C7






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.

## TRANSISTOR PADS

We've included an extra pad for each Q spot so you can easily use both standard EBC pinouts or, if you can grab the original cans, their ECB configuration.

The transistor outline on the silkscreen is for EBC, such as PN2222A, 2N3904, 2N5210 etc.

For 2N2926 use the extra emitter pad.

# Drilling template

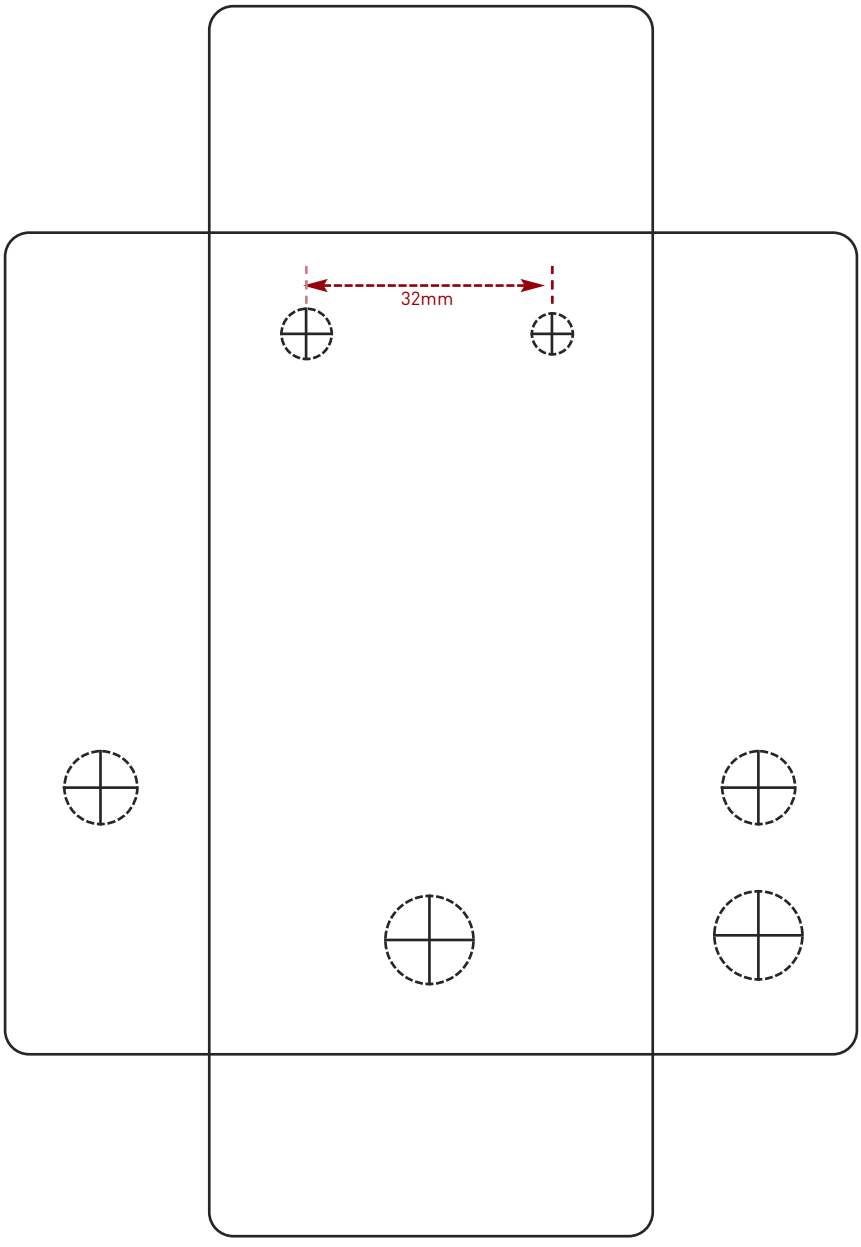
Hammond 1590B

60 x 111 x 31mm

It's a good idea to drill the pot and toggle switch holes 1mm bigger if you're board-mounting them.
Wiggle room = good!

Recommended drill sizes:

| | |
|---|---|
| Pot | 7mm |
| Jacks | 10mm |
| Footswitch | 12mm |
| DC Socket | 12mm |
| Toggle switch | 6mm |




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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