

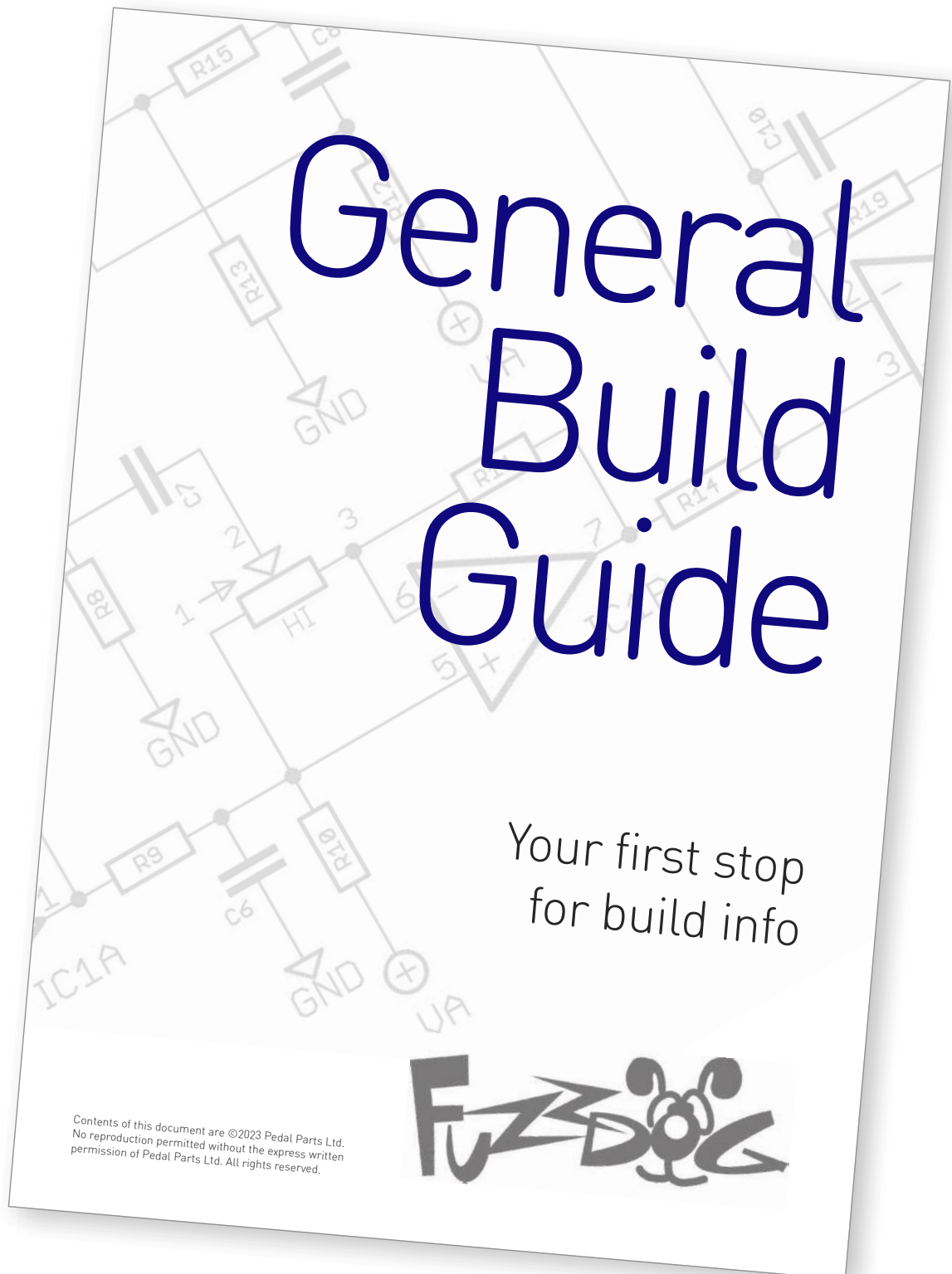
# Repeater

Classic choppy sounds of the  
Vox Repeat Percussion

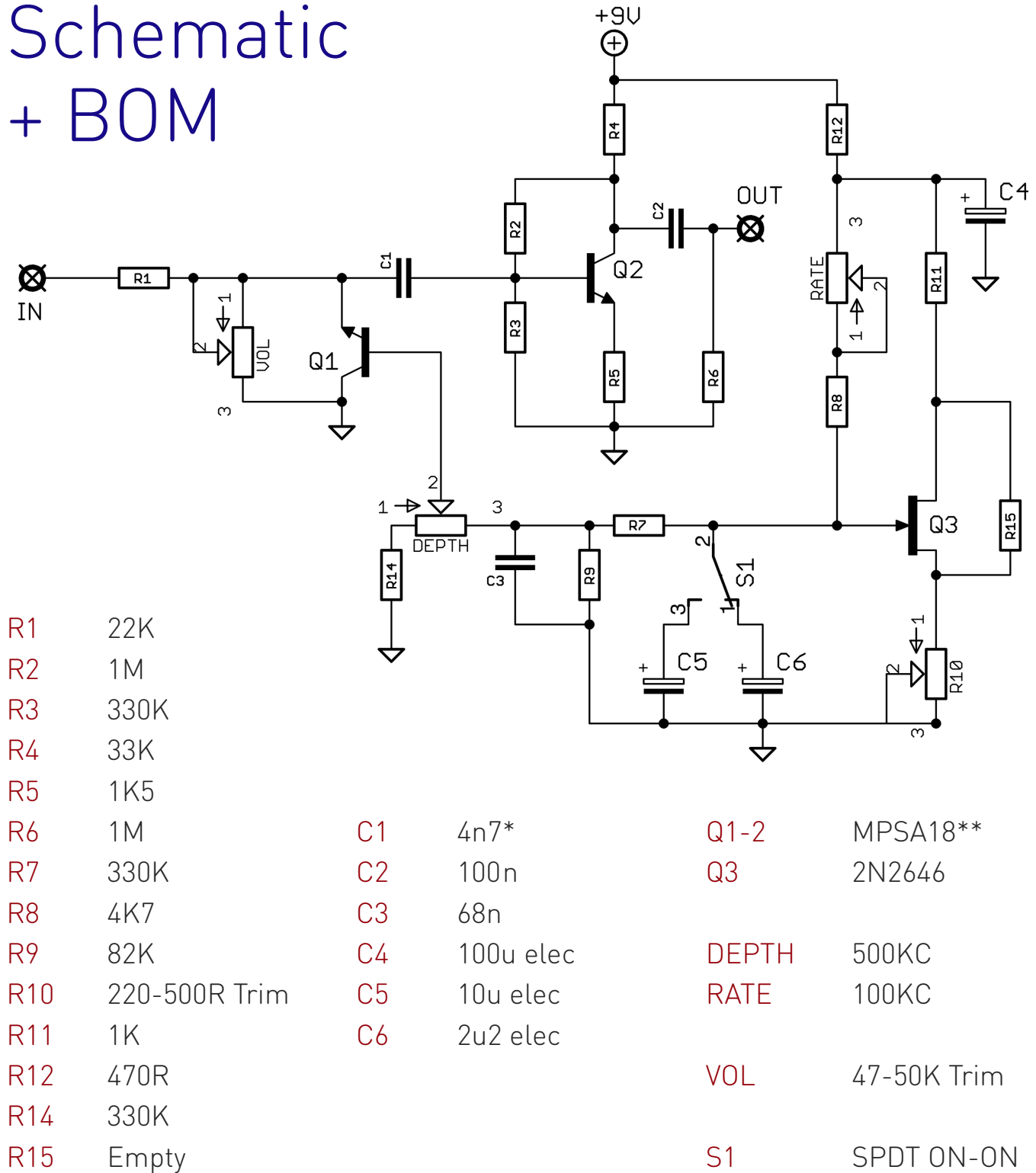


Before you dig in, ensure you download and read the **General Build Guide**.

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



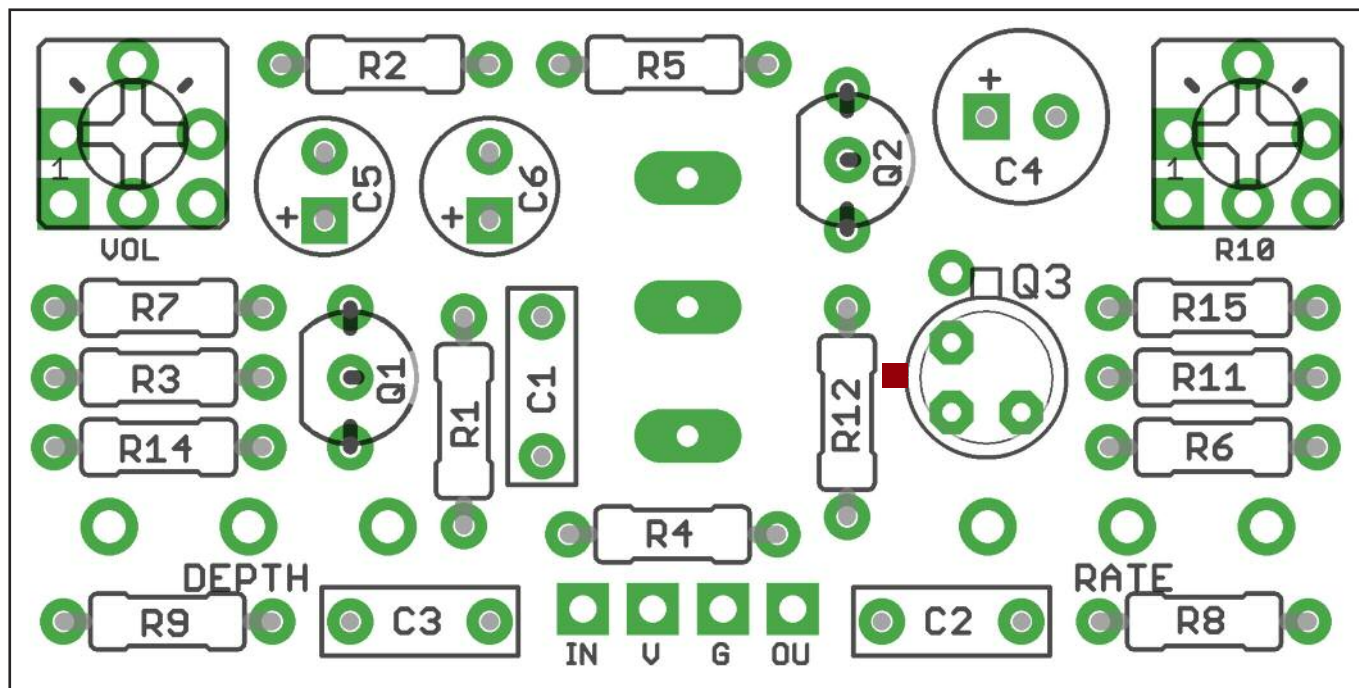
# Schematic + BOM



This BOM represents a build using the 2N2646 UJT. These are getting scarce.  
See page 5 for an alternative build using the readily available 2N6027 PUT.

\*Original value. This cuts a lot of bottom end. Increase if you want more (we like 15n), but be aware that higher values will add more chance of tick.

\*\*Any medium gain BJT will do you. 2N3904, 2N5088 etc.



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.

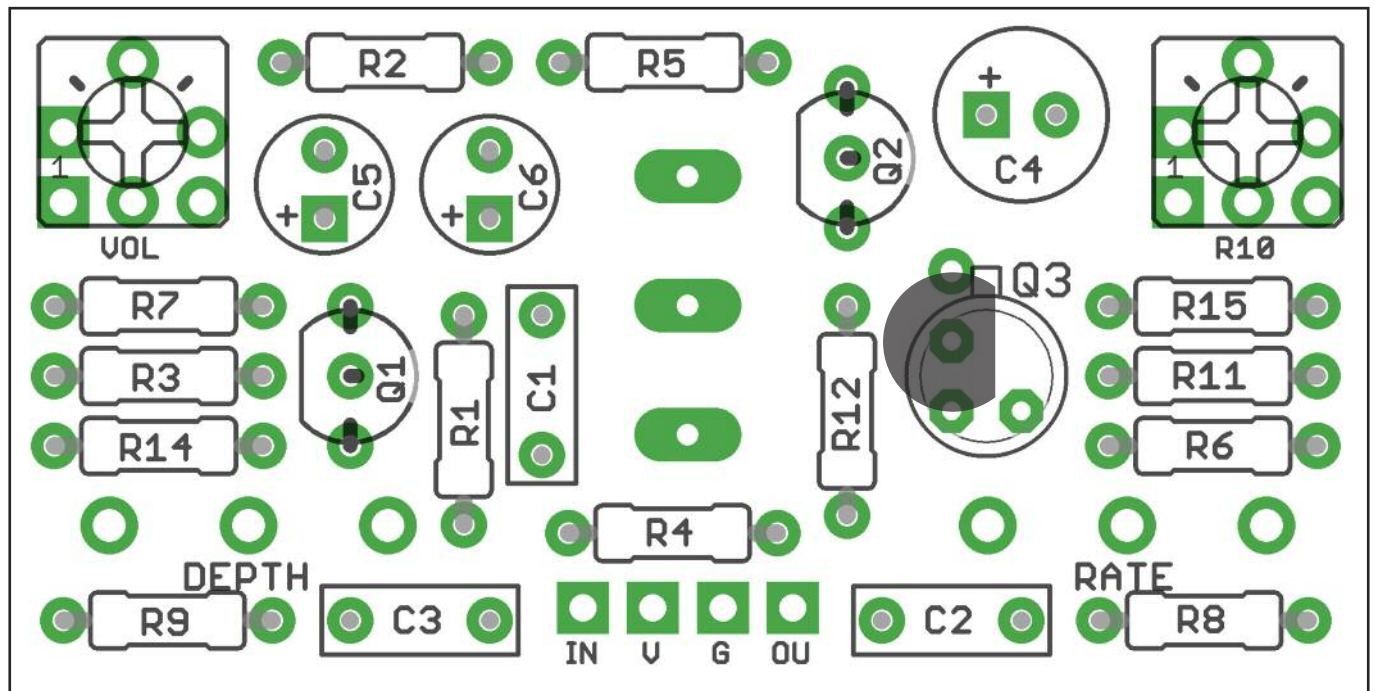
Use the V0L trimmer to adjust the output level you want.

Set your DEPTH pot to max, and adjust R10 to get your preferred level of effect depth vs annoying ticking bleedthrough.

The tab of Q3 should be as shown above in red. The pins will locate naturally into the triangular pad pattern when correct.



# Using a 2N6027



Place your PUT as shown above.

- R10 1K trimmer
- R15 2K2

# Drilling template

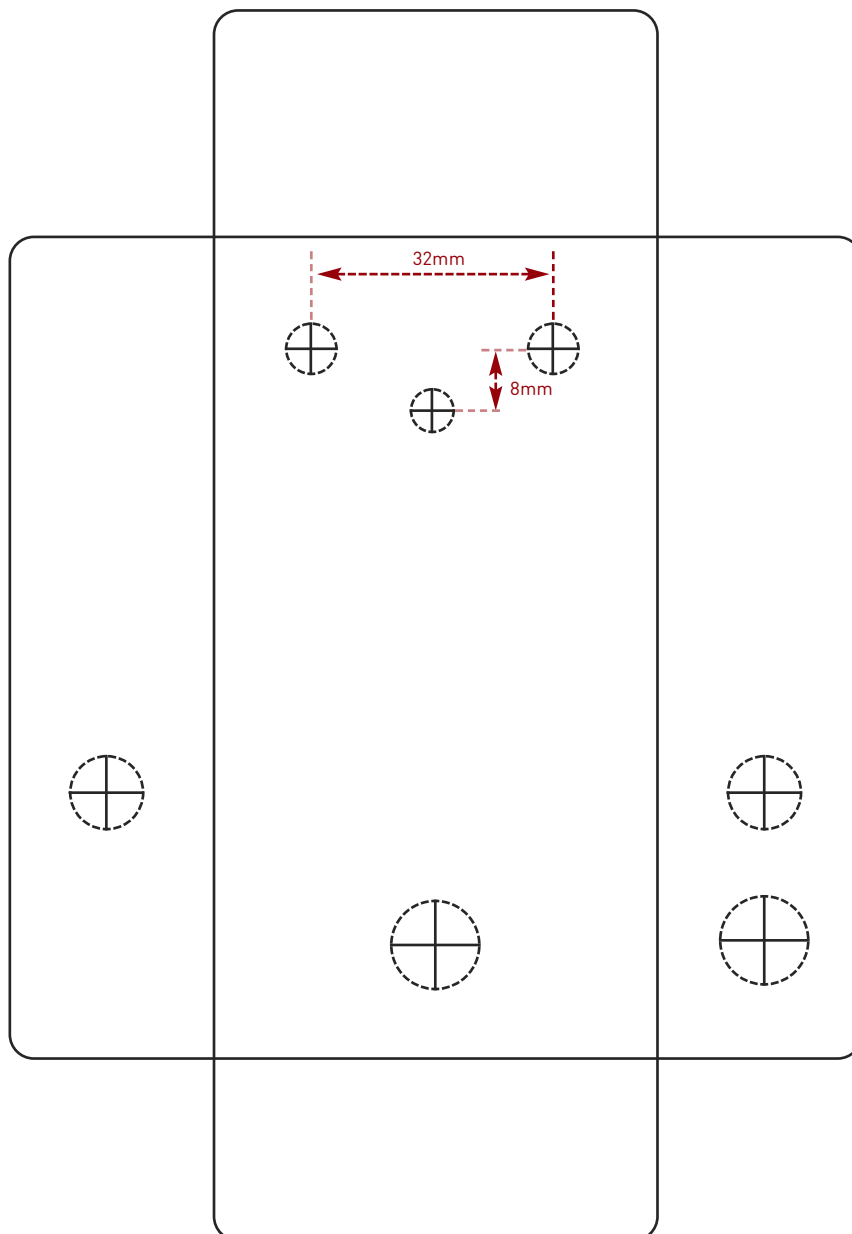
**Hammond 1590B - 60 x 111 x 31mm**

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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