

Tremendous Lunatic

Gloriously crazy wobbles

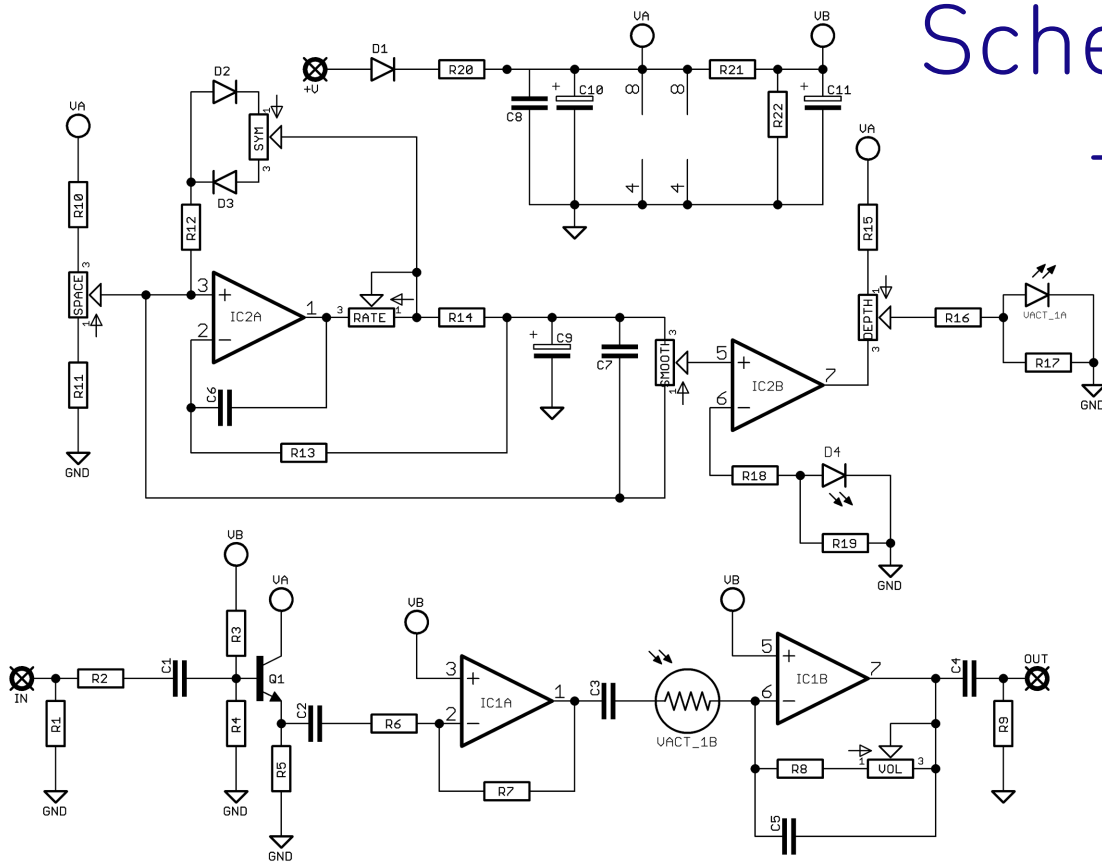


Before you dig in, ensure you download and read the **General Build Guide**.

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



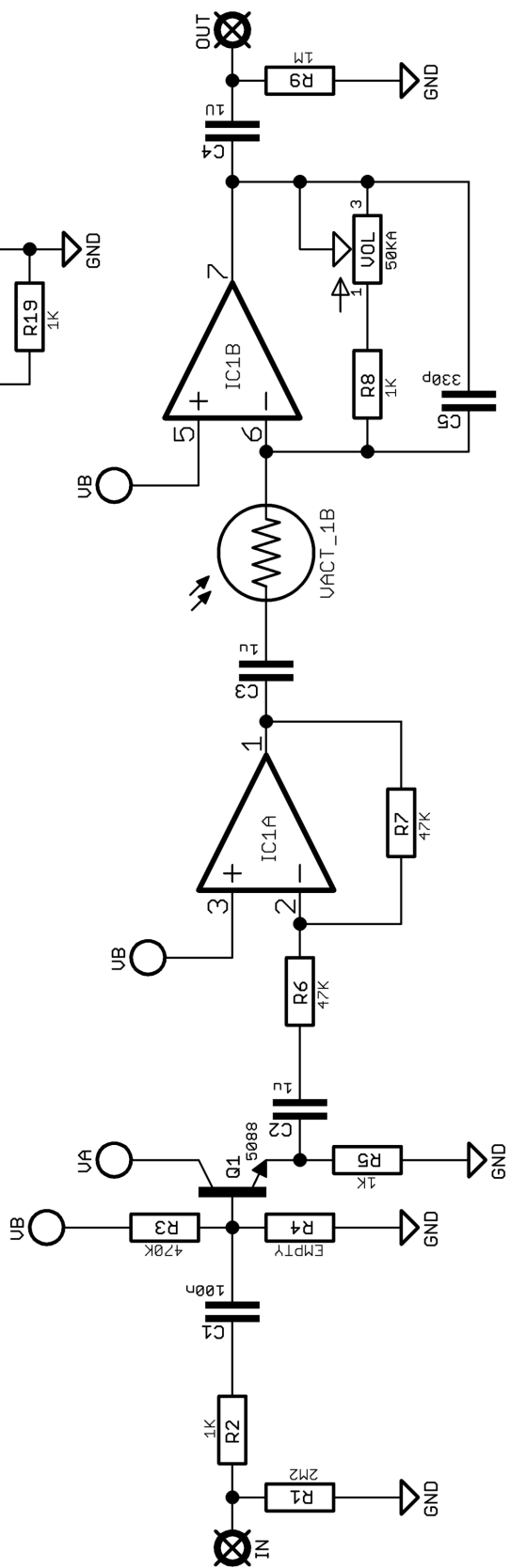
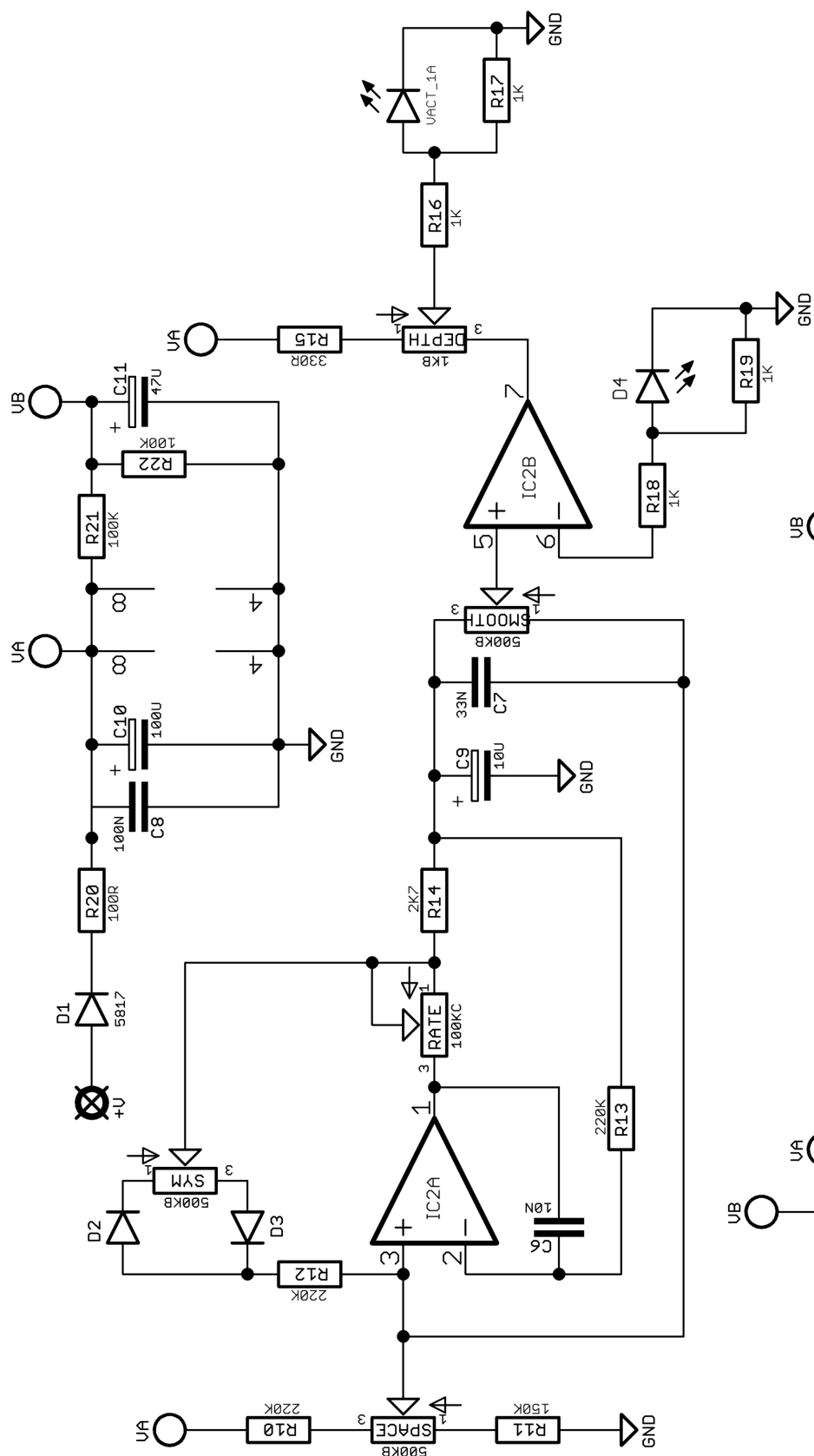
Schematic + BOM

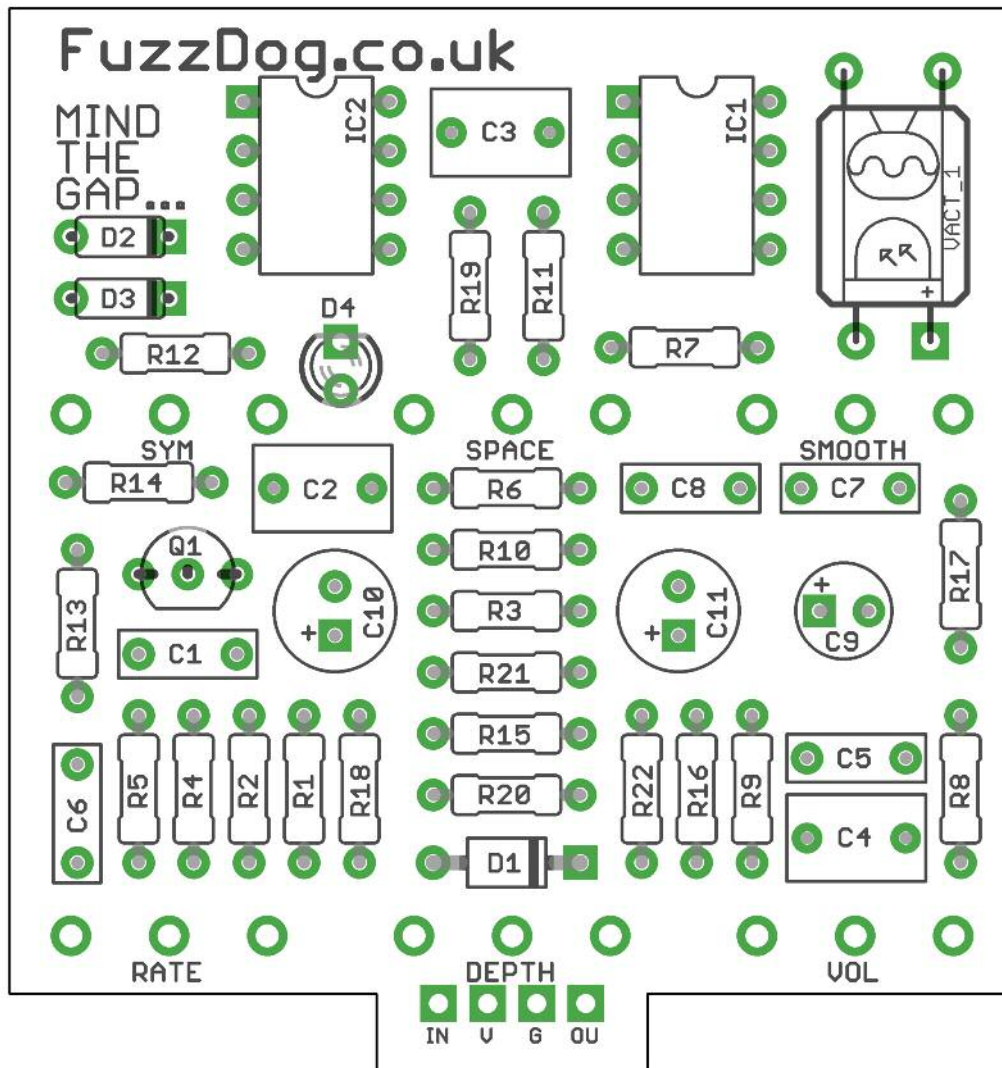


R1	2M2	C1	100n	DEPTH	1KB
R2	1K	C2	1u	RATE	100KC
R3	470K*	C3	1u	SMOOTH	500KB
R4	Empty*	C4	1u	SPACE	500KB
R5	1K	C5	330p	SYM	500KB
R6	47K	C6	10n	VOL	50KA
R7	47K	C7	33n		
R8	1K	C8	100n		
R9	1M	C9	10u elec		
R10	220K	C10	100u elec		
R11	150K	C11	47u elec		
R12	220K				
R13	220K	D1	1N5817		
R14	2K7	D2-3	1N4148		
R15	330R	D4	Rate indicator LED		
R16	1K				
R17	1K	IC1	TL072		
R18	1K	IC2	TL022		
R19	1K				
R20	100R	Q1	2N5088*		
R21	100K				
R22	100K				

VACTROL was originally a VTL5C2, but these are hard to source now. You'll get good results with a GL5516 LDR and a 5mm red led.

*These parts can be replaced for a FET-based input buffer if you prefer that to a BJT-based circuit. See page 5.





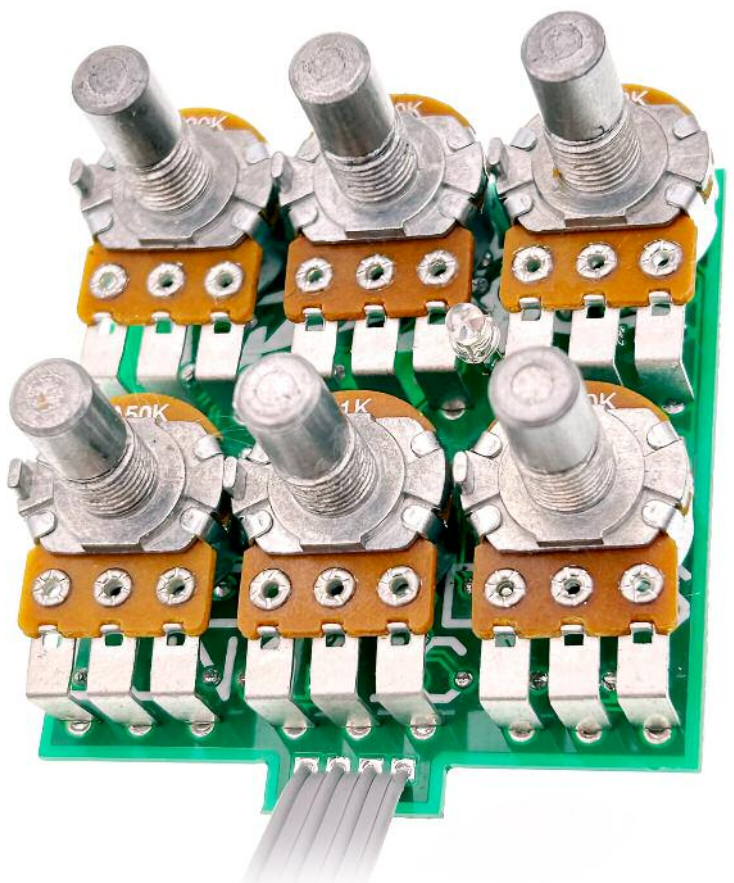
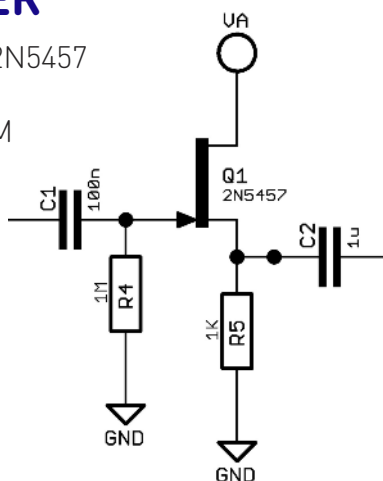
Snap the small metal tags off the pots so they can be mounted flush in the box.

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.

FET BUFFER

Replace Q1 with 2N5457 or similar, leave R3 empty, R4 = 1M



Drilling template

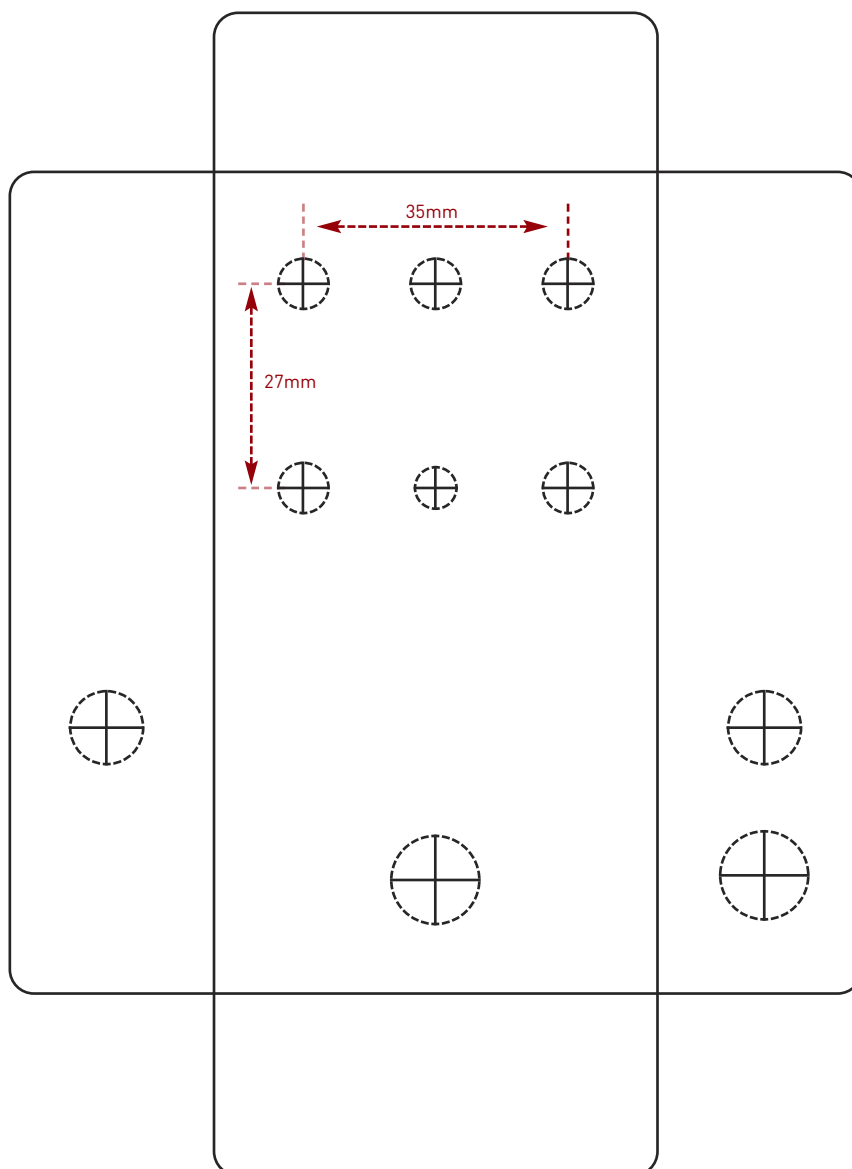
Hammond 1590B - 60 x 111 x 31mm

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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