



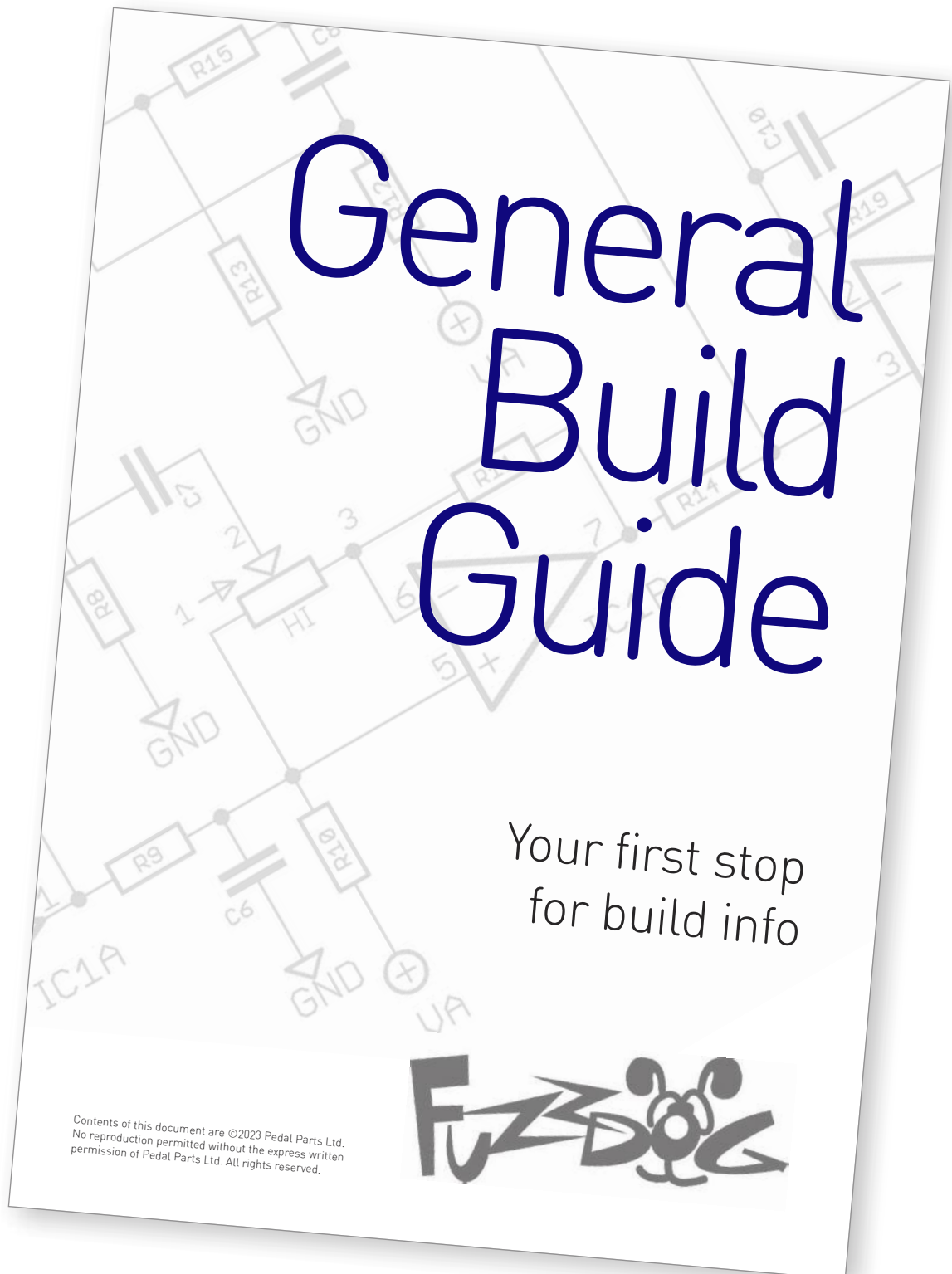
Sixty-Nine

Tweakable Fuzz Face for all
your Experience tones

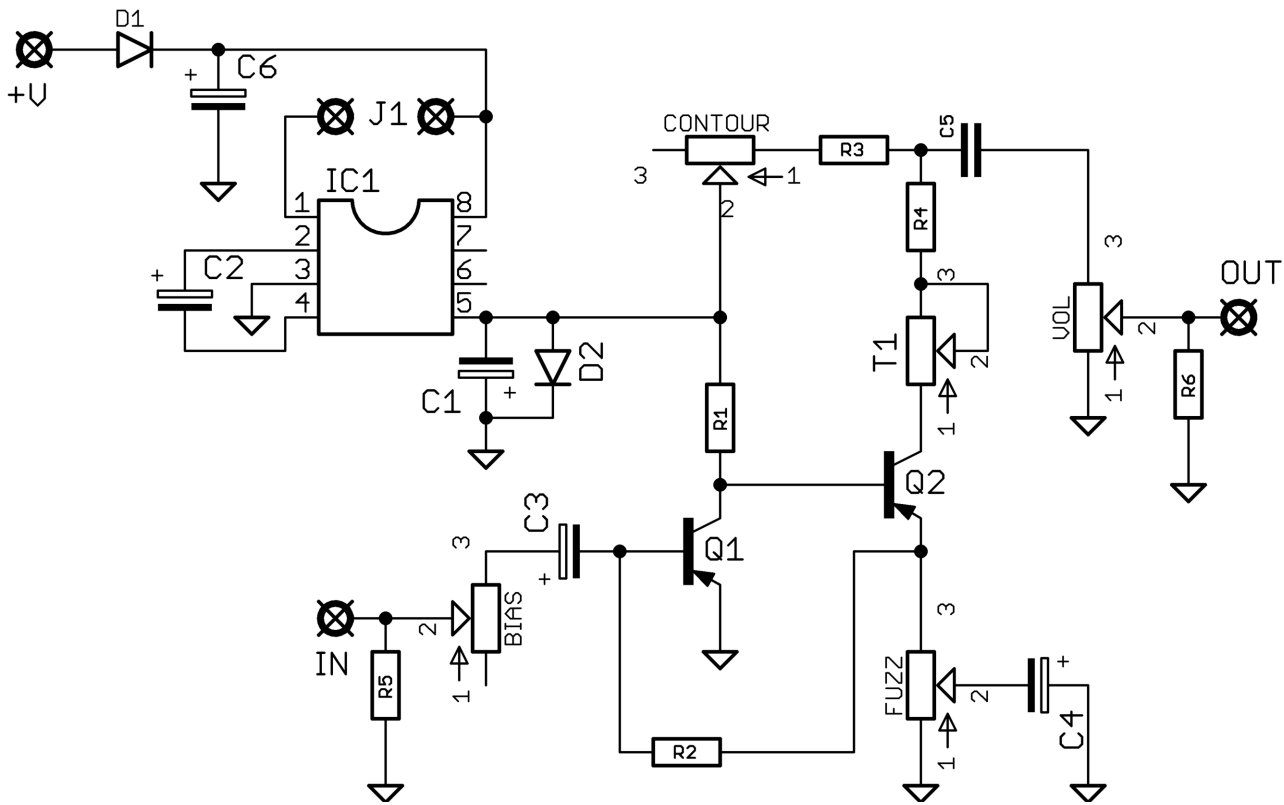


Before you dig in, ensure you download and read the **General Build Guide**.

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



Schematic + BOM



R1	33K	C1	10u elec	D1	1N5817
R2	100K	C2	10u elec	D2	1N4148
R3	220R	C3	2u2 elec	Q1-2	PNP Germanium**
R4	1K	C4	22u elec	IC1	7660SEPA***
R5	1M*	C5	100n		
R6	1M*	C6	100u elec		

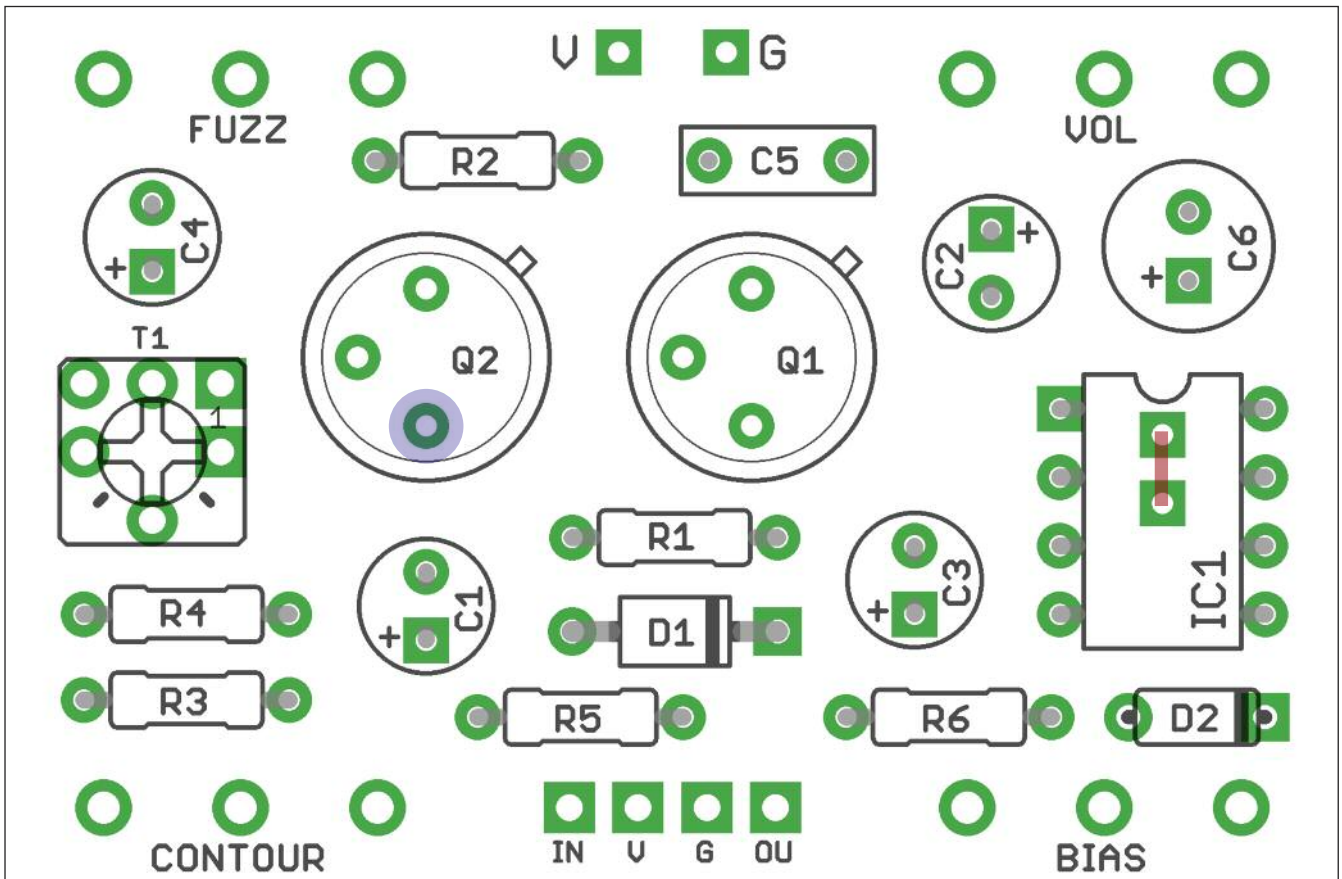
*R5-6 are optional anti-pop resistors. Do what thou wilt.

**Typical fuzz face hFEs of Q1 <>70h, Q2 <>120, but don't get TOO hung up on numbers.

***You can also use MAX1044S or LT1054. Ensure you use the SEPA variant if using a 7660, or you'll likely get whining from the circuit. See notes on next page about jumpers depending on which IC you're using.

FUZZ	1K
BIAS	50KB
CONT	1KB
VOL	500KA

T1 10K trimmer



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.

You can wire your DC connections to the V and G pads at the top of the PCB instead of the ones on the daughterboard if using a top-mounted socket.

CHARGE PUMP/JUMPER

If you're using the LT1054 you're all set.

7660 / 1044 require a jumper as shown in red above. This can be on either side of the board.

TRANSISTOR ORIENTATION

Usually there'll be a small metal tag indicating the emitter. Match it up with the silk screen. Some will have a red dot indicating the collector instead.

BIASING

Adjust T1 until you get -4.5 - 5 V on the collector of Q2 (shown in blue). There are no rules though, so feel free to tweak to your own taste.



Drilling template

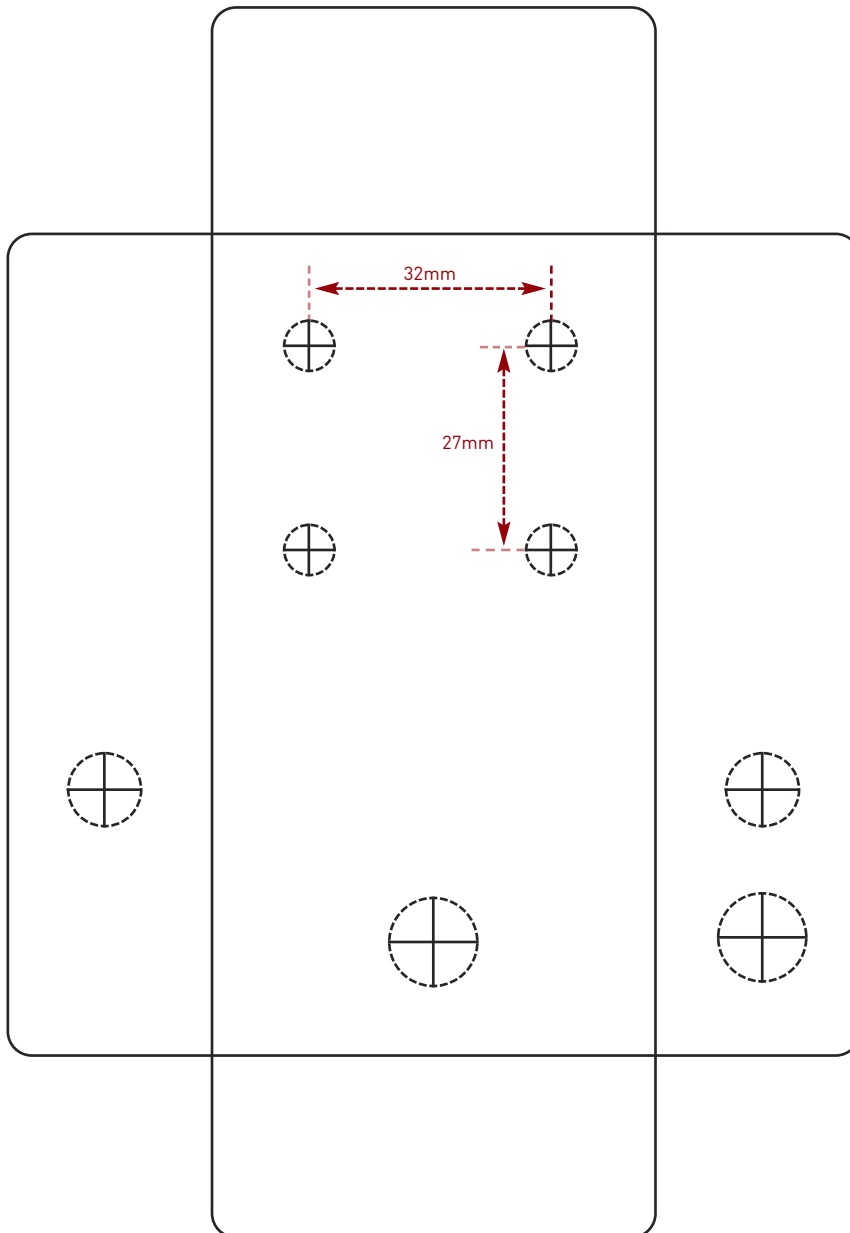
Hammond 1590B - 60 x 111 x 31mm

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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