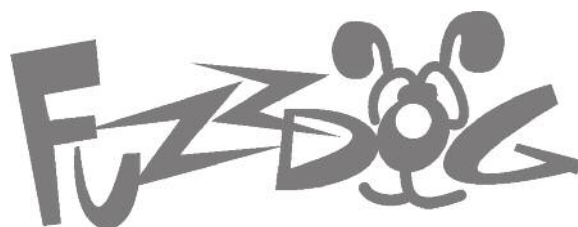




Fire Breather

Red hot and deadly
fuzz action

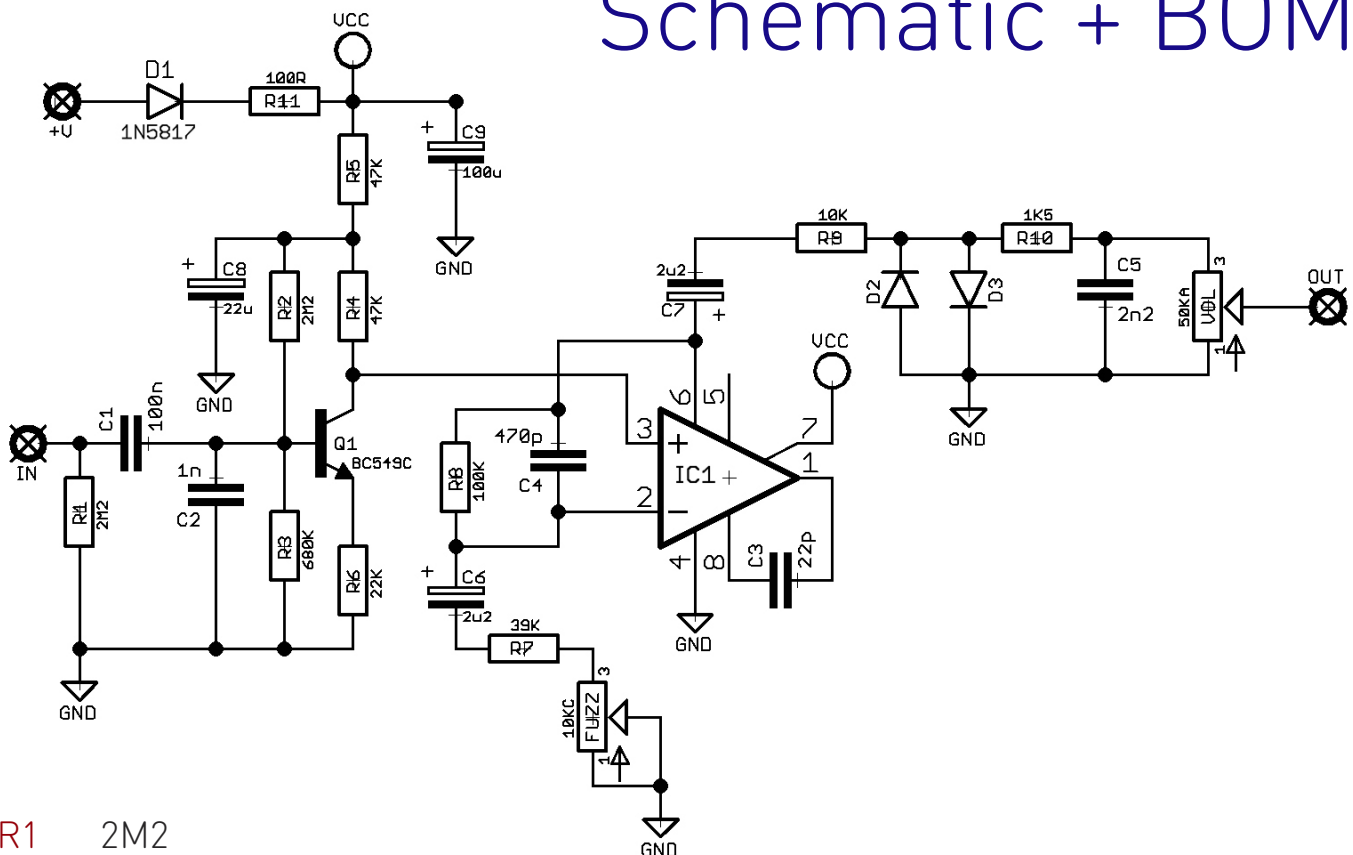


Before you dig in, ensure you download and read the **General Build Guide**.

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



Schematic + BOM



R1 2M2

R2 2M2

R3 680K

R4 47K

R5 47K

R6 22K

R7 39R

R8 100K

R9 10K

R10 1K5

R11 100R

C1 100n

C2 1n

C3 22p

C4 470p

C5 2n2

C6 2u2 elec

C7 2u2 elec

C8 22u elec

C9 100u elec

D1 1N5817

D2-3 1N4148

Q1 BC549C*

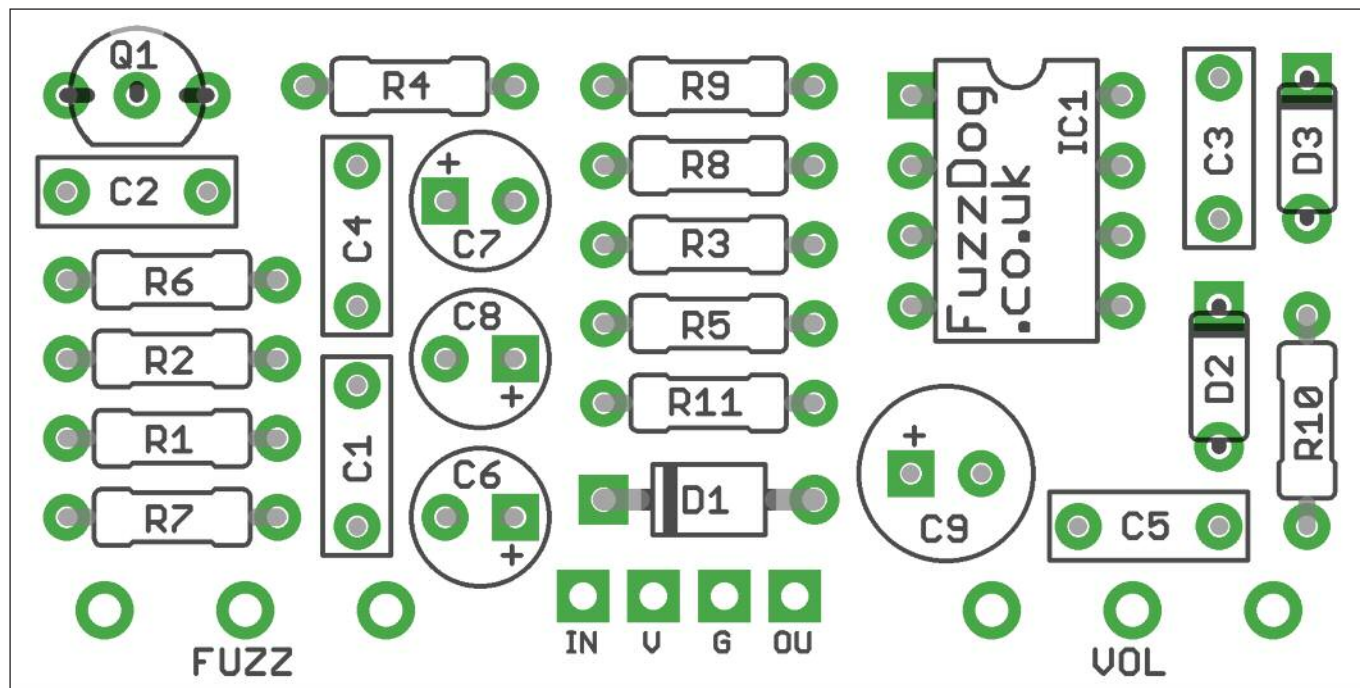
IC1 LM301AN**

FUZZ 10KC

VOL 50KA

*There's nothing special about the transistor. Try any of your usual medium gain suspects if you don't have BC549C. Watch your pinout though. 'Normal' cans such as 2N5088 will need to be reversed.

**Same goes for the IC. Other single op-amps should work OK. We've tested with OP07 and it sounded good. Check the datasheet to see if your replacement has an internal compensation cap between pins 1-8. If so, leave out C3 (this is the case with OP07)



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.



Drilling template

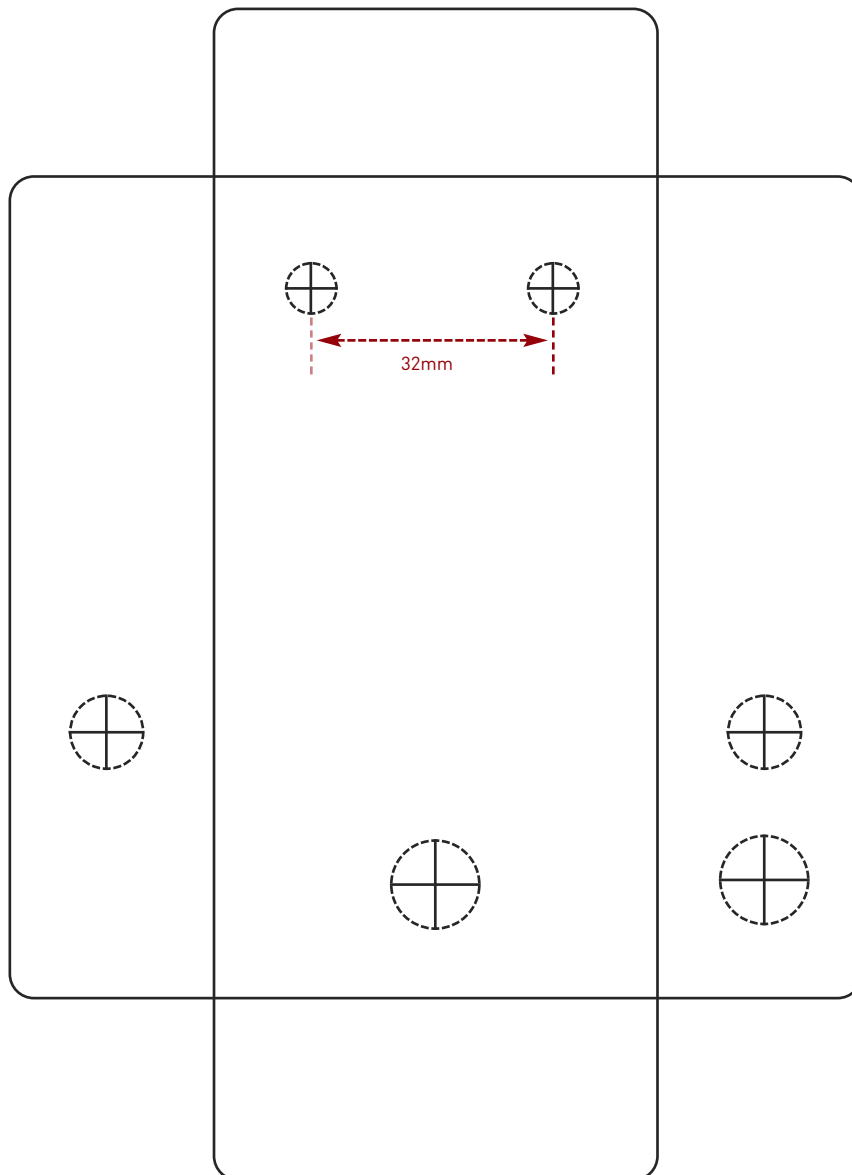
Hammond 1590B - 60 x 111 x 31mm

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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