

Buttercup Fuzz

Lovely germanium fuzz
mash-up by J D Barbato



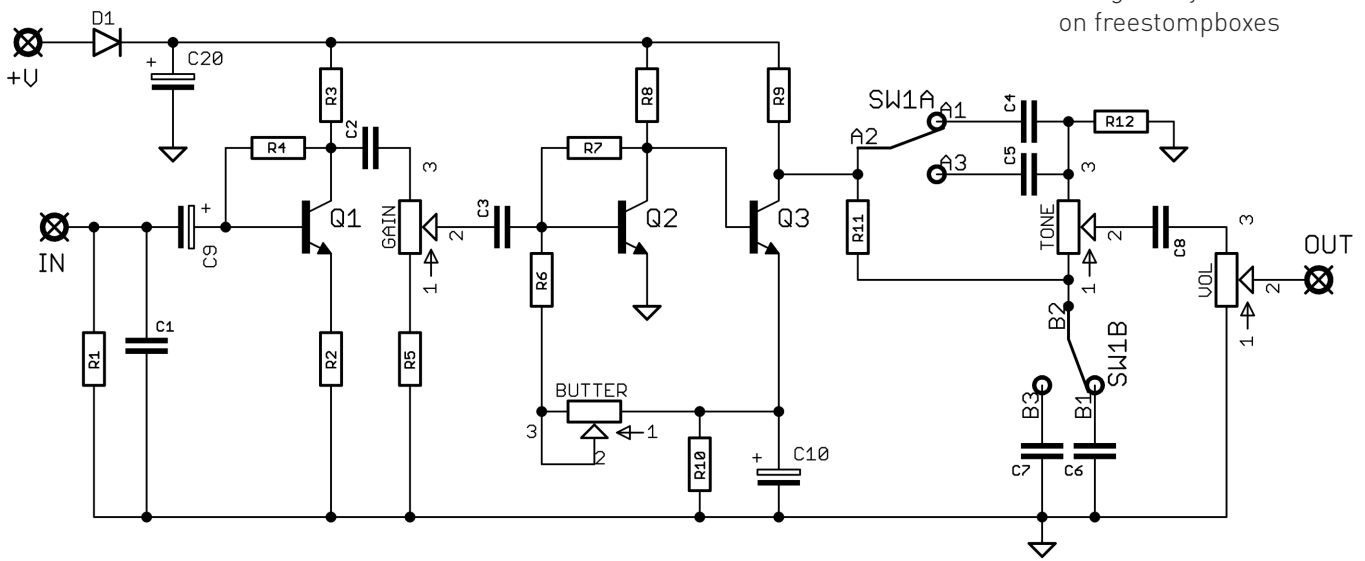
Before you dig in, ensure you download and read the **General Build Guide**.

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



Schematic + BOM

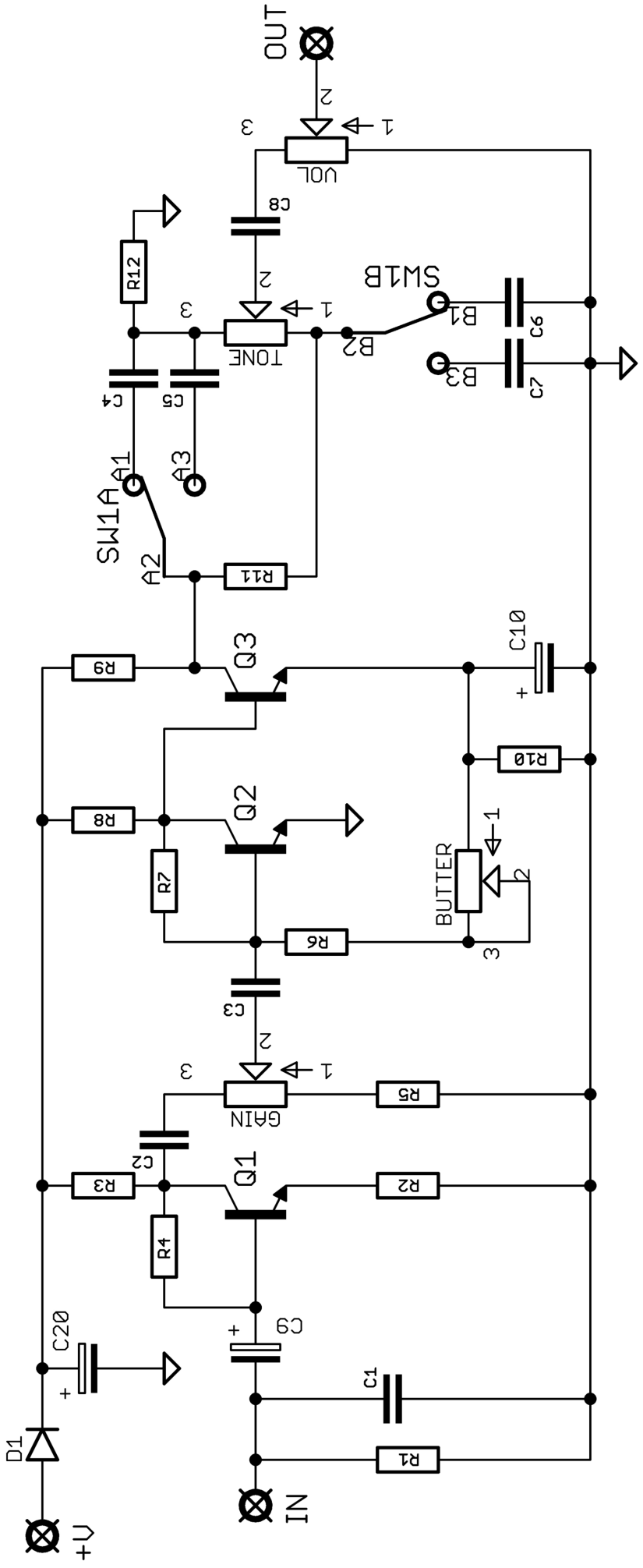
Designed by J D Barbatto
on freestompboxes

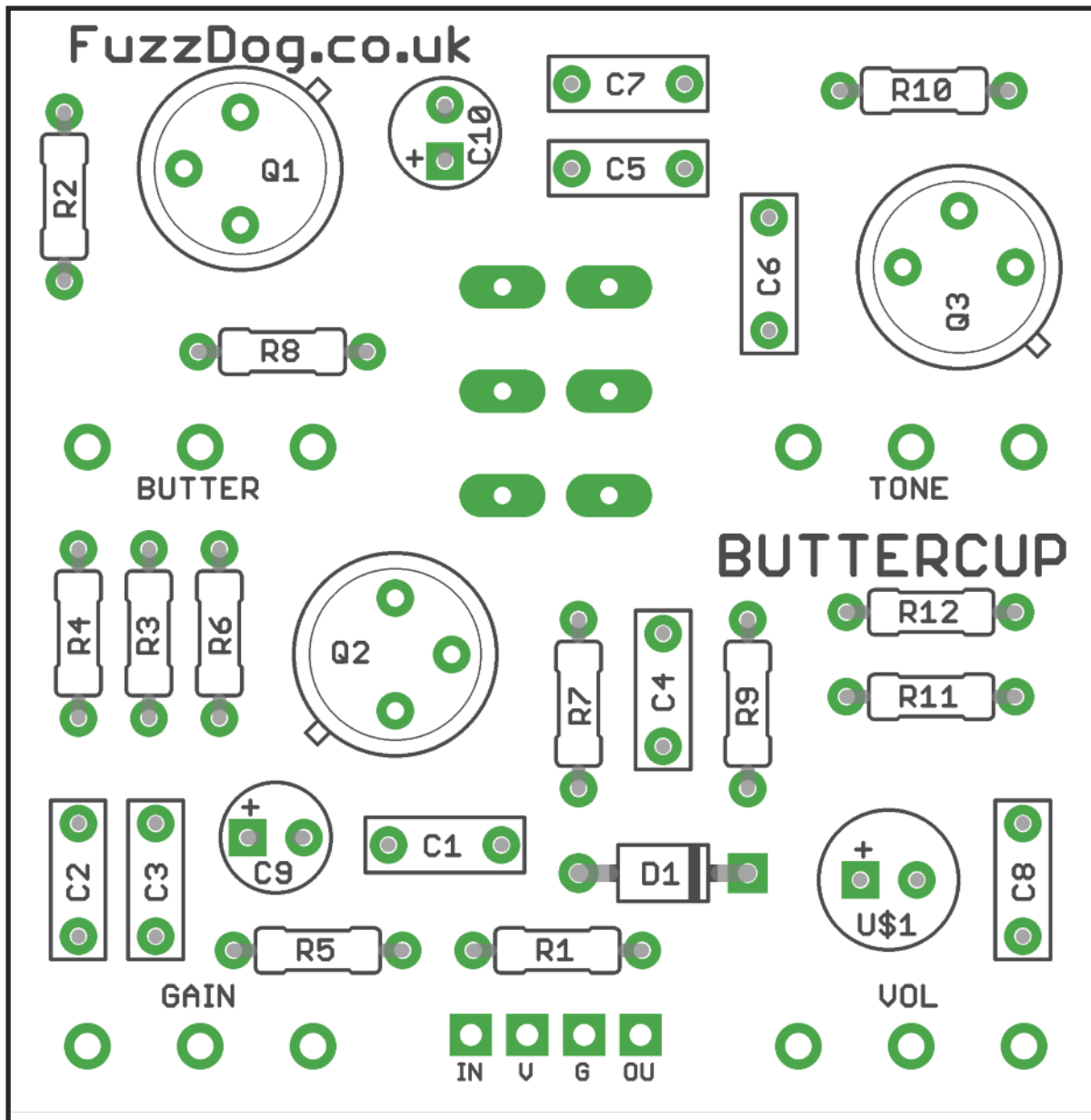


R1	1M	C1	1n	D1	1N5817
R2	1K	C2	100n	Q1	NPN Ge*
R3	10K	C3	100n	Q2	NPN Ge*
R4	470K	C4	33n	Q3	2N5088**
R5	100R	C5	3n3	VOL	100KA
R6	1K	C6	3n3	BUT	100KB
R7	470K	C7	33n	GAIN	100KB
R8	10K	C8	100n	TONE	100KB
R9	10K	C9	4u7 elec	S1	DPDT ON-ON
R10	1K	C10	4u7 elec		
R11	10K				
R12	15K				

*Q1 and Q2 should ideally be in the normal Tone Bender hFE range, i.e. $\lt; >60$, $\lt; >75-80$. Don't get too hung up on numbers though.

**Q3 can be NPN Ge, again something in the Q3 range of $\lt; >120$, or a medium gain silicon BJT such as 2N5088 or 2N2222.



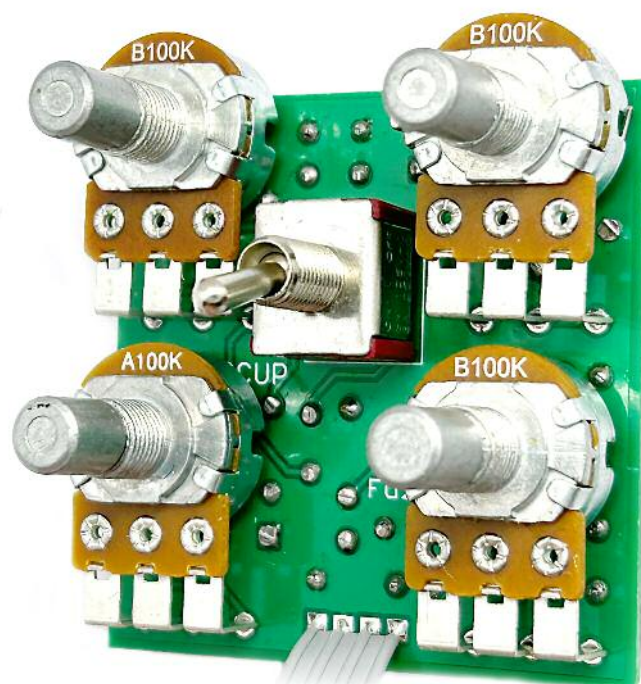


PCB layout ©2019 Pedal Parts Ltd.

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

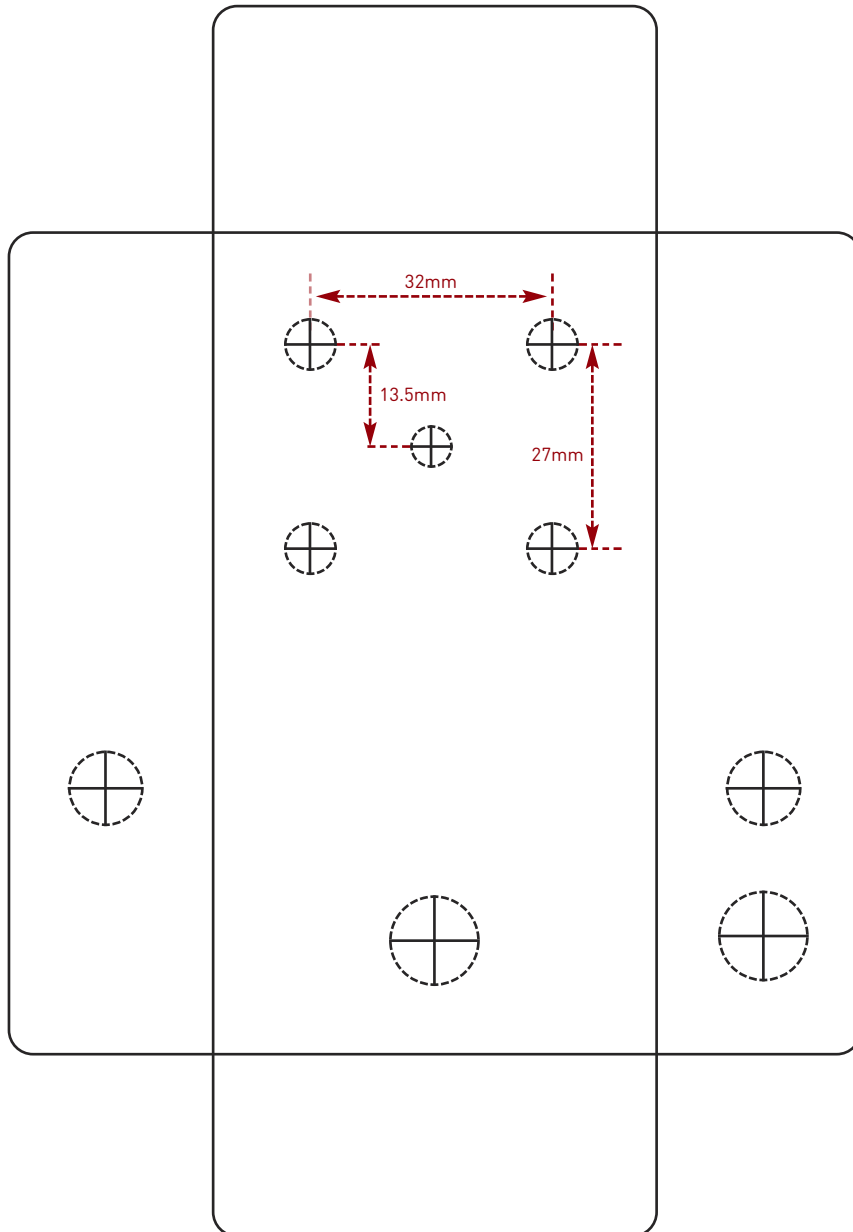
Hammond 1590B - 60 x 111 x 31mm

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.

FuzzDog.co.uk