

Tweed 55

Fender Tweed 5E3 preamp-in-a-box

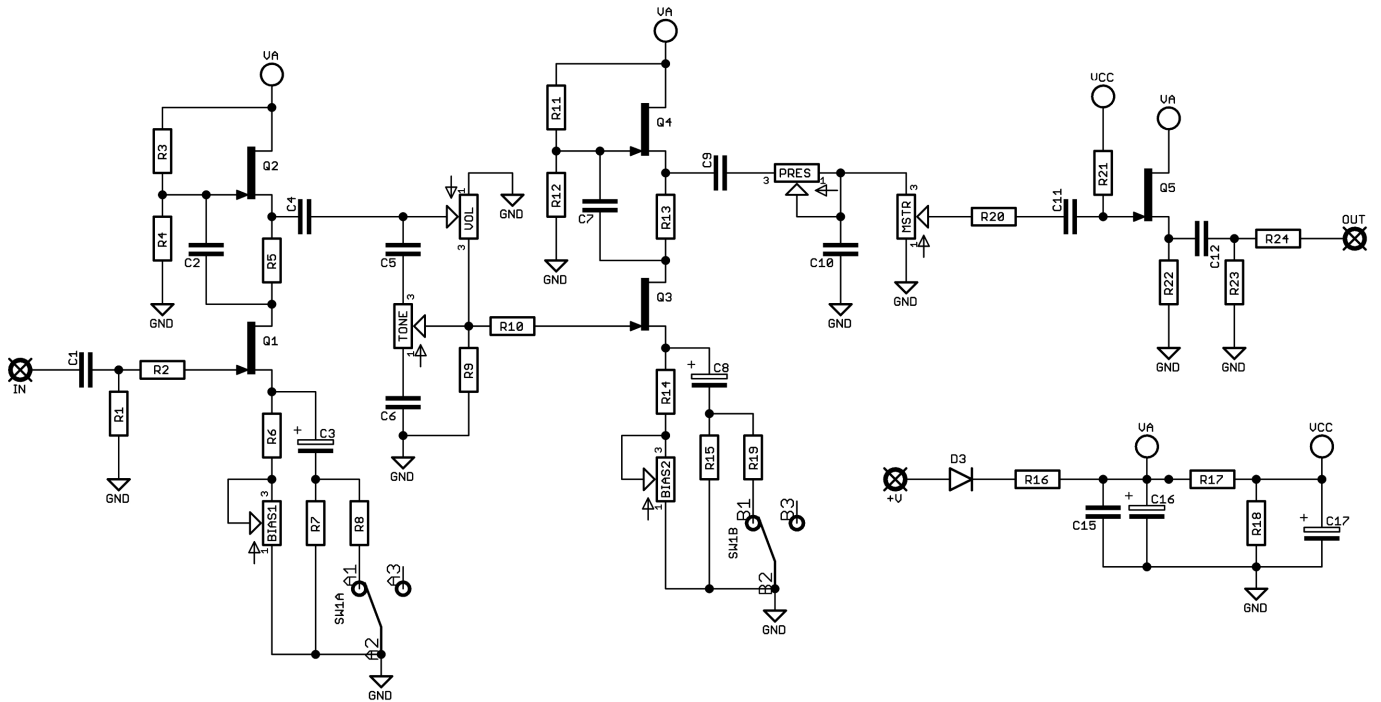


Before you dig in, ensure you download and read the **General Build Guide**.

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



Schematic + BOM

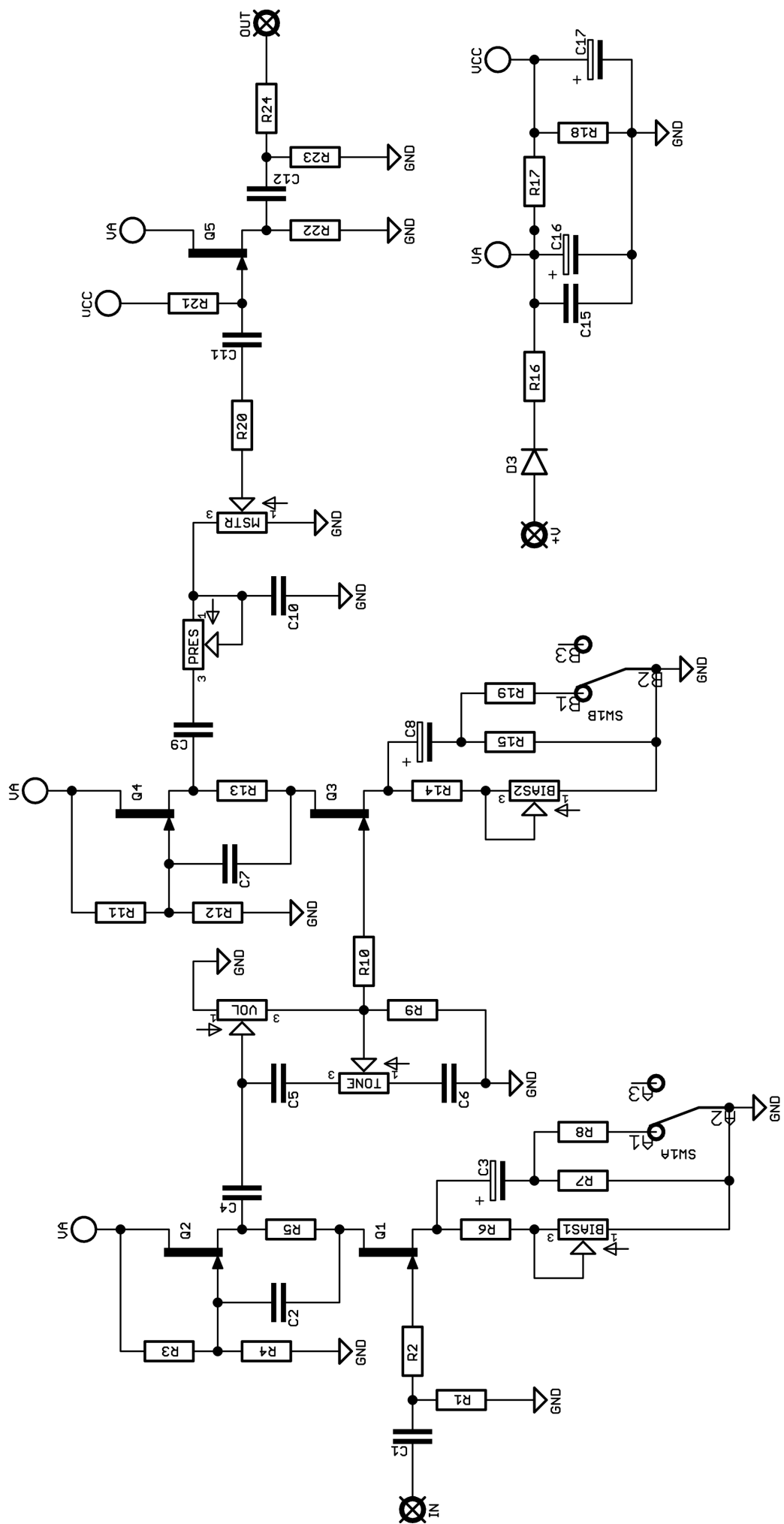


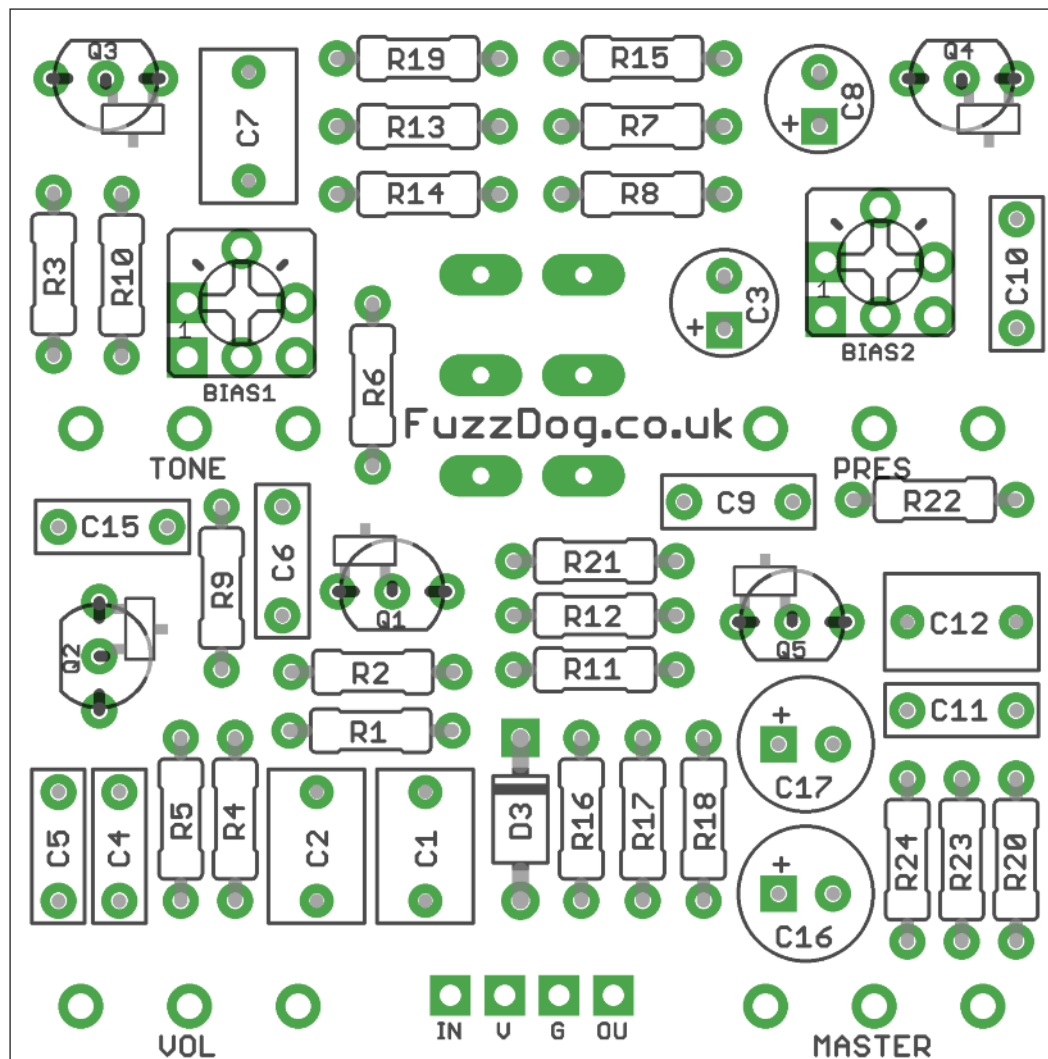
R1	1M
R2	33K
R3	1M
R4	1M
R5	1K
R6	15K
R7	56K
R8	4K7
R9	1M
R10	68K
R11	1M
R12	1M
R13	1K
R14	10K
R15	5K1
R16	100R
R17	10K
R18	10K
R19	3K9
R20	100R
R21	1M
R22	5K6
R23	15K
R24	100R

C1	1u
C2	2u2
C3	22u elec
C4	100n
C5	470p
C6	4n7
C7	2u2
C8	22u elec
C9	22n
C10	3n3
C11	100n
C12	2u2
C15	100n
C16	100u elec
C17	47u elec

D3	1N5817
Q1-5	MBF4393/MMBF4393*
BIAS1-2	10K trimmers
MASTER	250KA
PRES	50KB
TONE	1MA
VOL	1MA
SW1	DPDT ON-ON

*The board is designed to take through-hole or SMT parts for Q1-5.





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

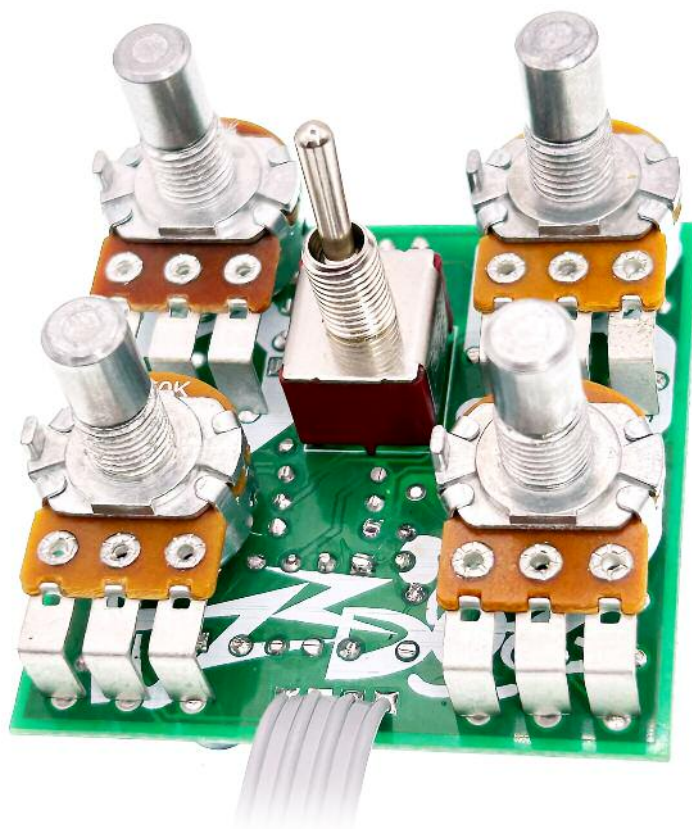
You should solder all other board-mounted components before you solder the pots.

Once they're in place you'll have no access to much of the board.

BIASING

There's no particular voltage to aim for here. Set the trimmers at noon and adjust to taste. Obviously you don't want crazy squealing going on.

These were originally set to noon at the factory on early units, but this was then changed to zero for some reason, so don't sweat it. Thanks to AionFX for the trace and info.



Drilling template

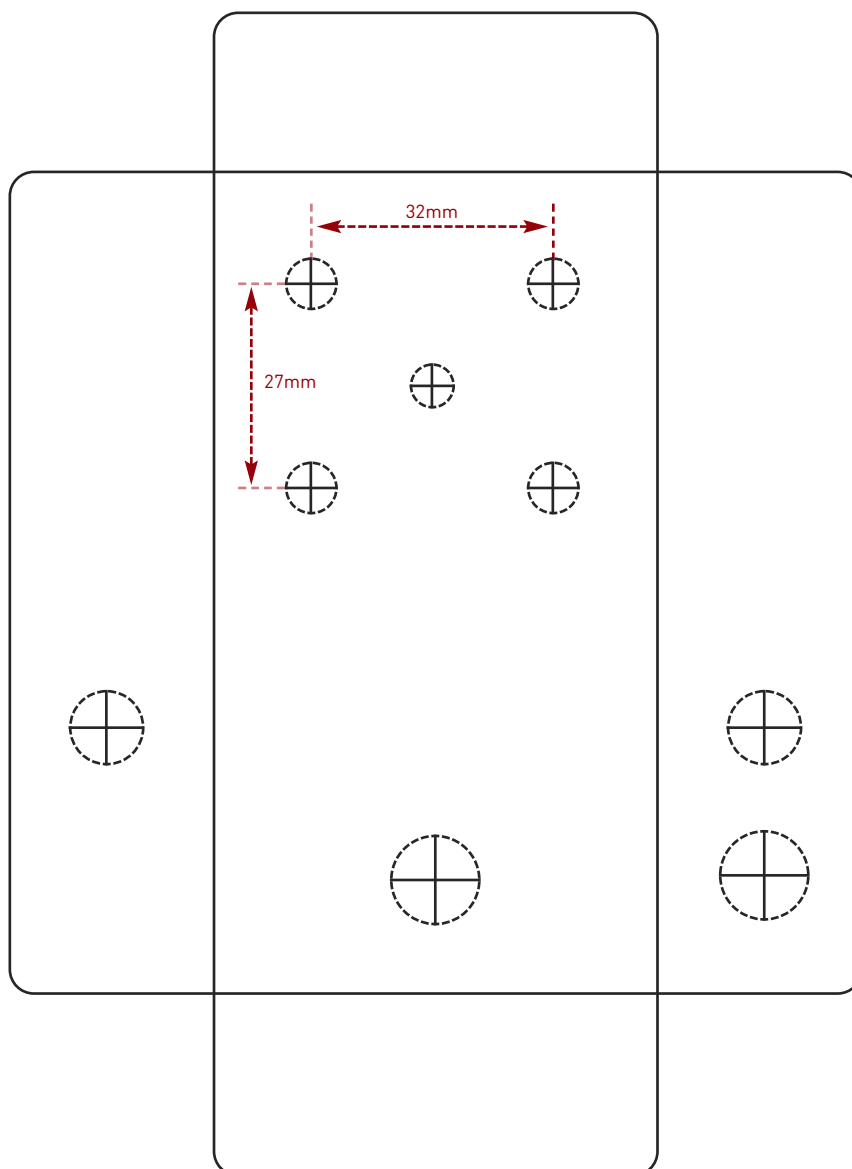
Hammond 1590B - 60 x 111 x 31mm

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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