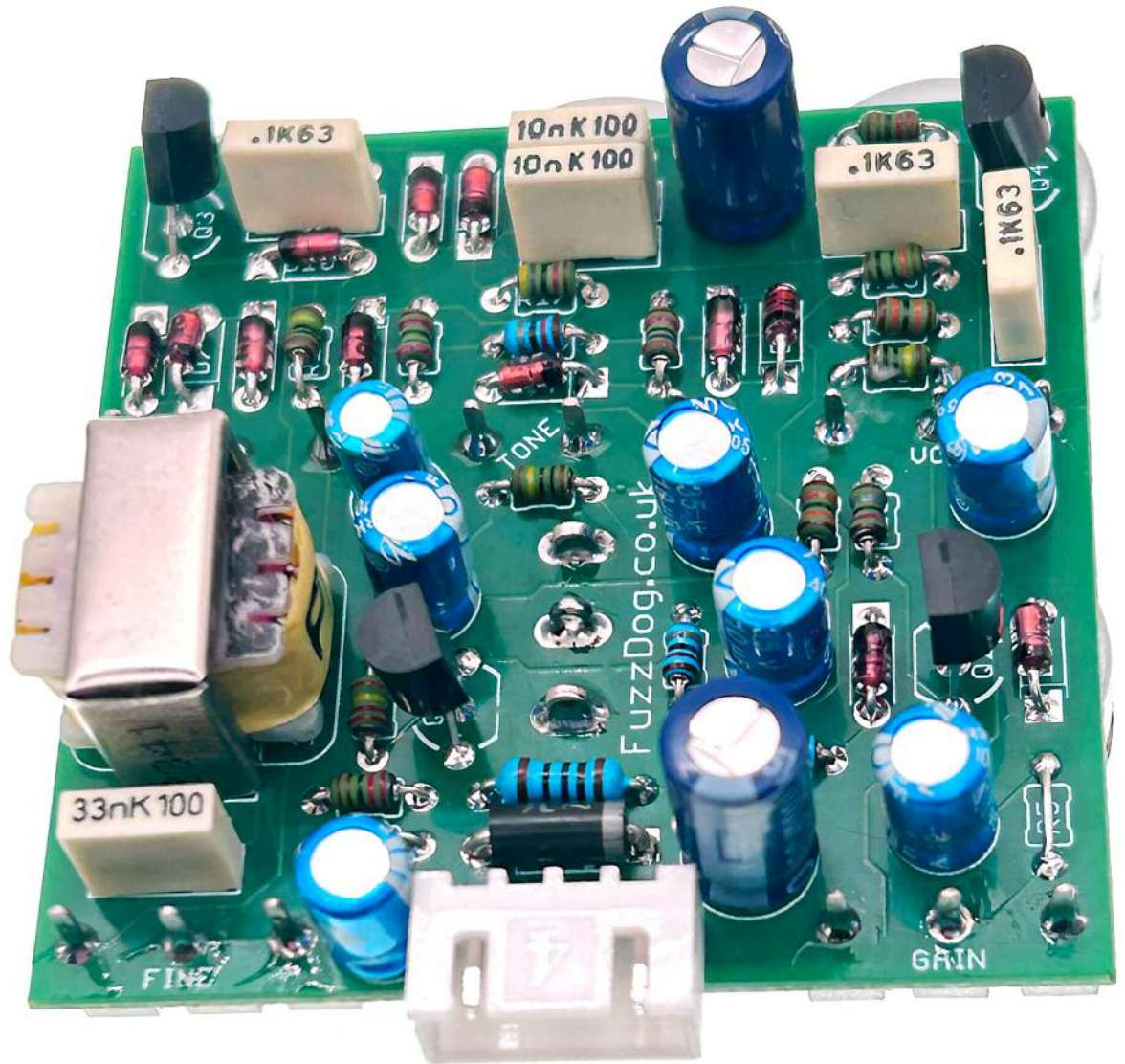




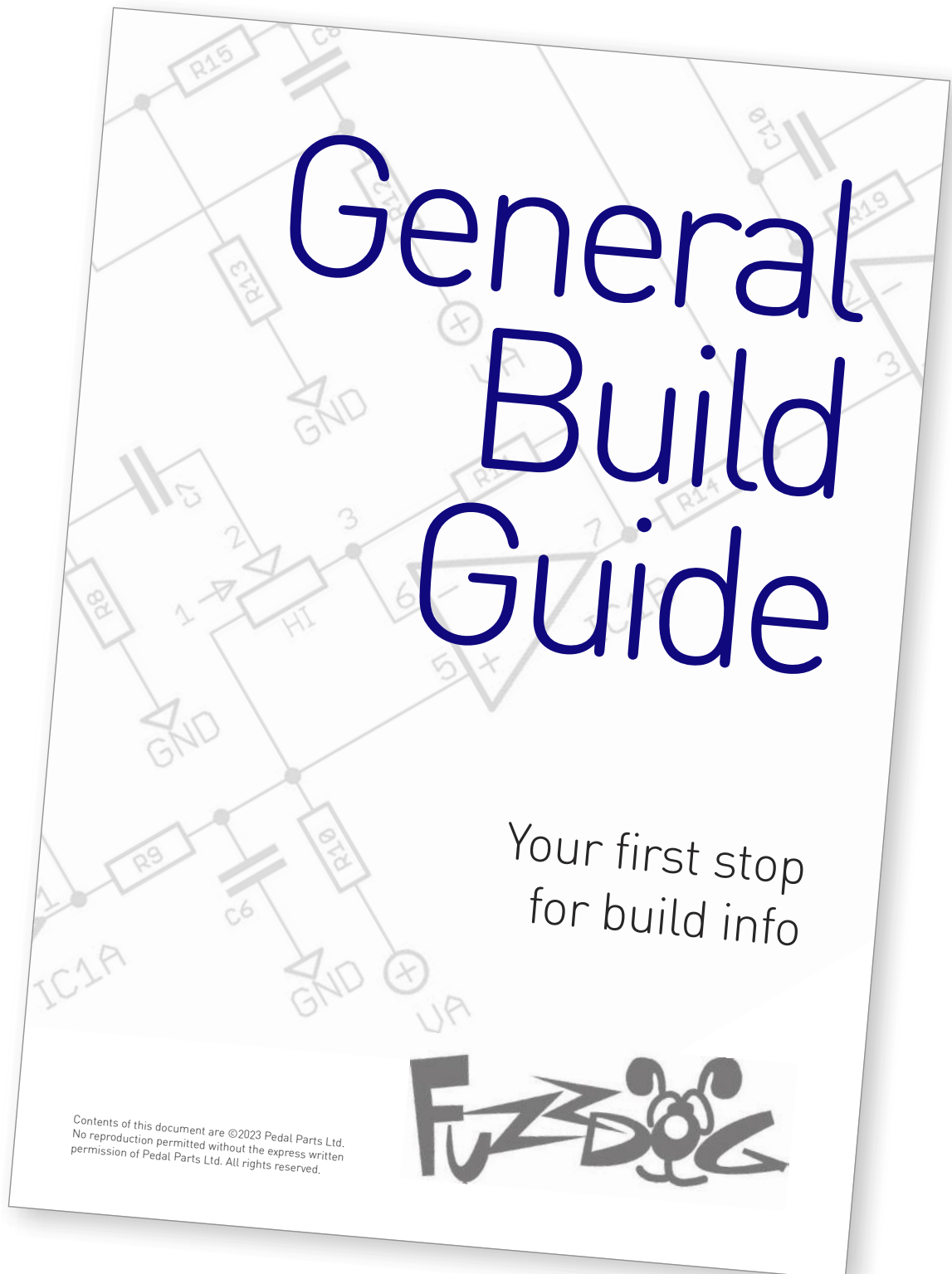
Moonrock

Mythical box of fuzzy mayhem
gets some upgrades



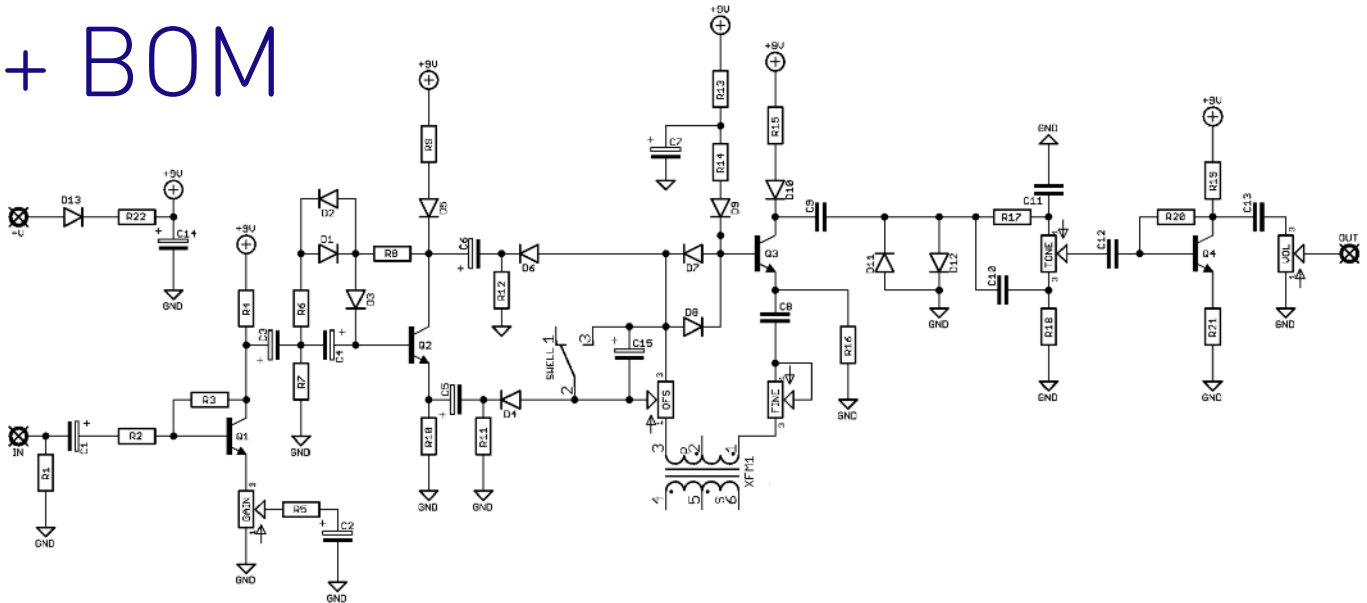
Before you dig in, ensure you download and read the **General Build Guide**.

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



Schematic + BOM

Full Fat



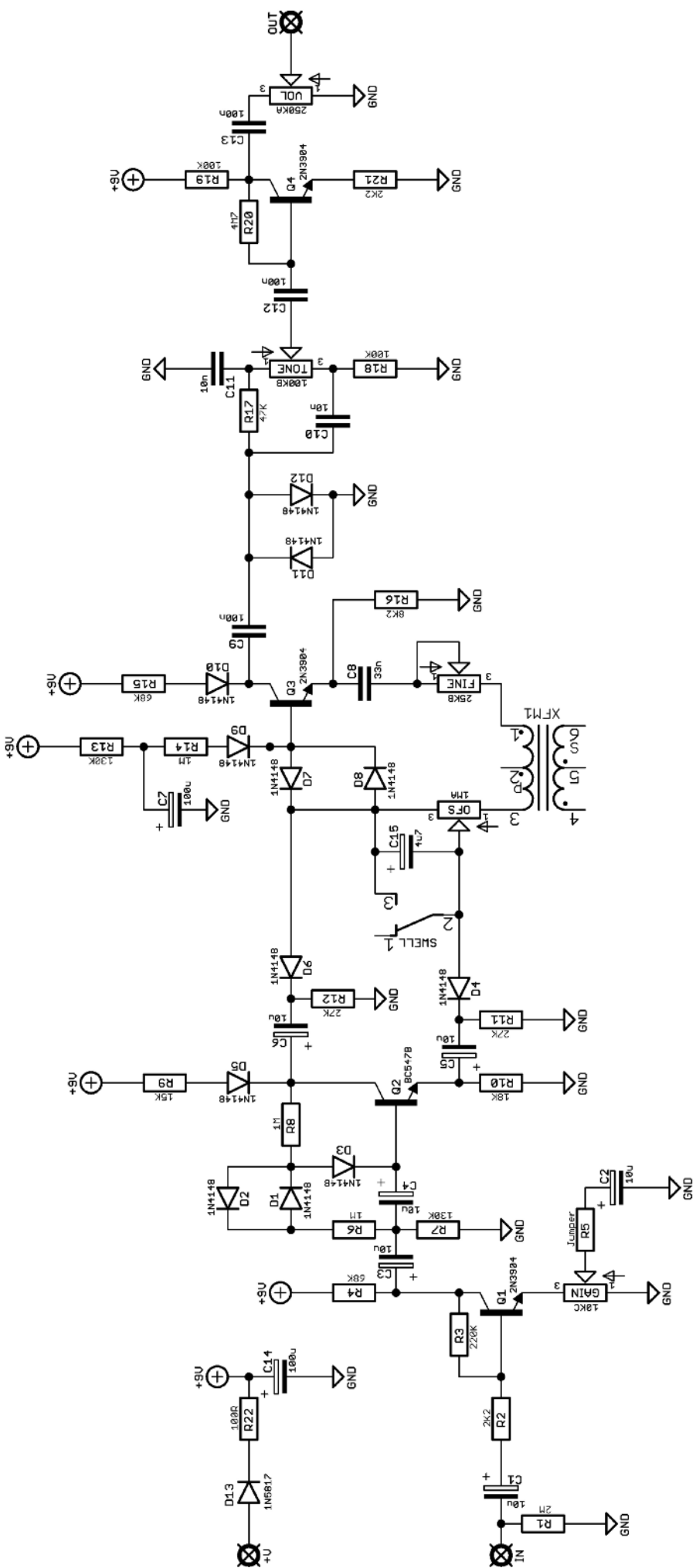
R1	2M2
R2	2K2
R3	220K
R4	68K
R5	Jumper
R6	1M
R7	130K
R8	1M
R9	15K
R10	18K
R11	27K
R12	27K
R13	130K
R14	1M
R15	68K
R16	8K2
R17	47K
R18	100K
R19	100K
R20	4M7
R21	2K2
R22	100R*

C1	10u elec
C2	10u elec
C3	10u elec
C4	10u elec
C5	10u elec
C6	10u elec
C7	100u elec
C8	33n
C9	100n
C10	10n
C11	10n
C12	100n
C13	100n
C14	100u elec
C15	4u7 elec

D1-12	1N4148
D13	1N5817
Q1	2N3904
Q2	BC547B
Q3	2N3904
Q4	2N3904
FINE	25KB
GAIN	10KC
OFS	1MA
TONE	100KB
VOL	250KA
SWELL	SPDT ON-ON
XFM1	42TL019

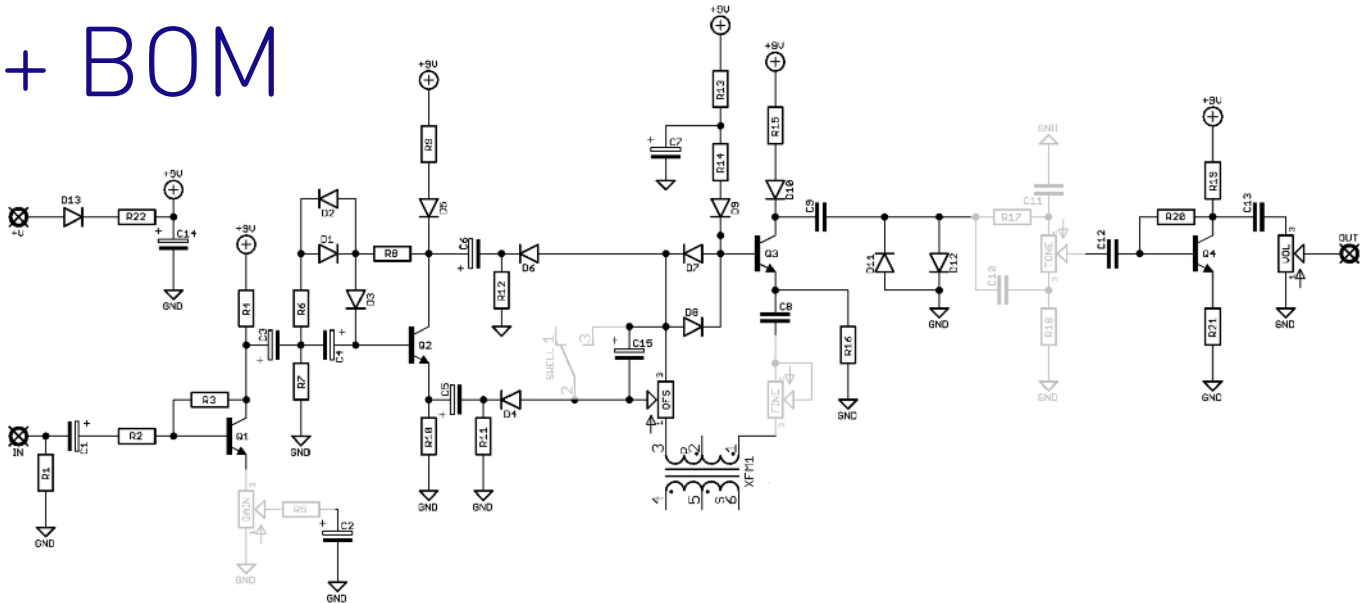
*Minimum 0.25W

The gain section around Q4 is an add-on, but it really is necessary to get this to a decent volume level.



Schematic + BOM

Bare Bones

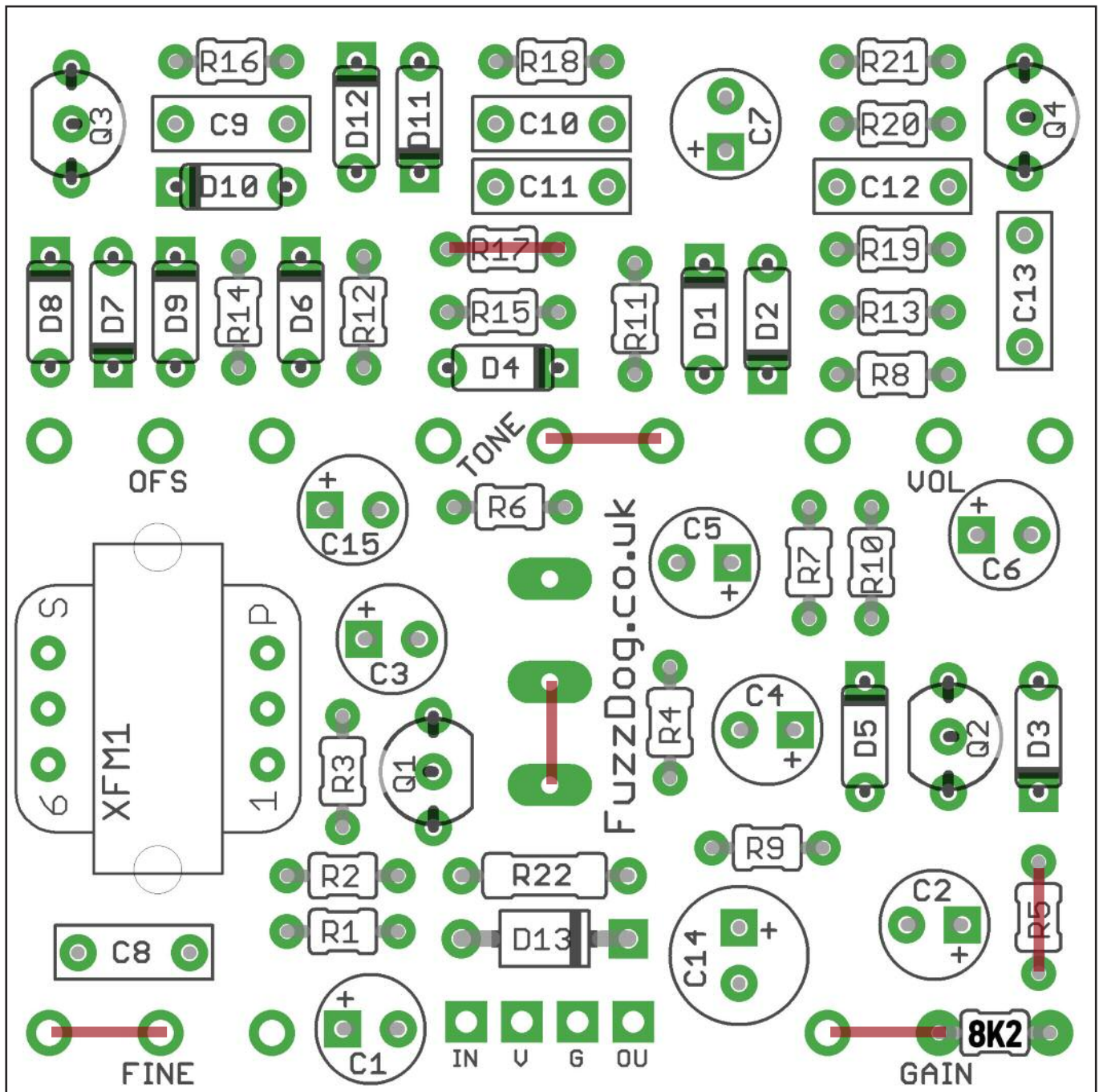


R1	2M2	C1	10u elec	D1-12	1N4148
R2	2K2	C2	10u elec	D13	1N5817
R3	220K	C3	10u elec		
R4	68K	C4	10u elec	Q1	2N3904
R5	Jumper	C5	10u elec	Q2	BC547B
R6	1M	C6	10u elec	Q3	2N3904
R7	130K	C7	100u elec	Q4	2N3904
R8	1M	C8	33n		
R9	15K	C9	100n	FINE	Jumper 2+3
R10	18K	C10	Empty	GAIN	Jumper + resistor†
R11	27K	C11	Empty	OFS	1MA
R12	27K	C12	100n	TONE	Jumper 1+2
R13	130K	C13	100n	VOL	250KA
R14	1M	C14	100u elec		
R15	68K	C15	4u7 elec	SWELL	Jumper centre + bottom lugs†
R16	8K2				
R17	Jumper			XFM1	42TL019
R18	Empty				
R19	100K				
R20	4M7				
R21	2K2				
R22	100R*				

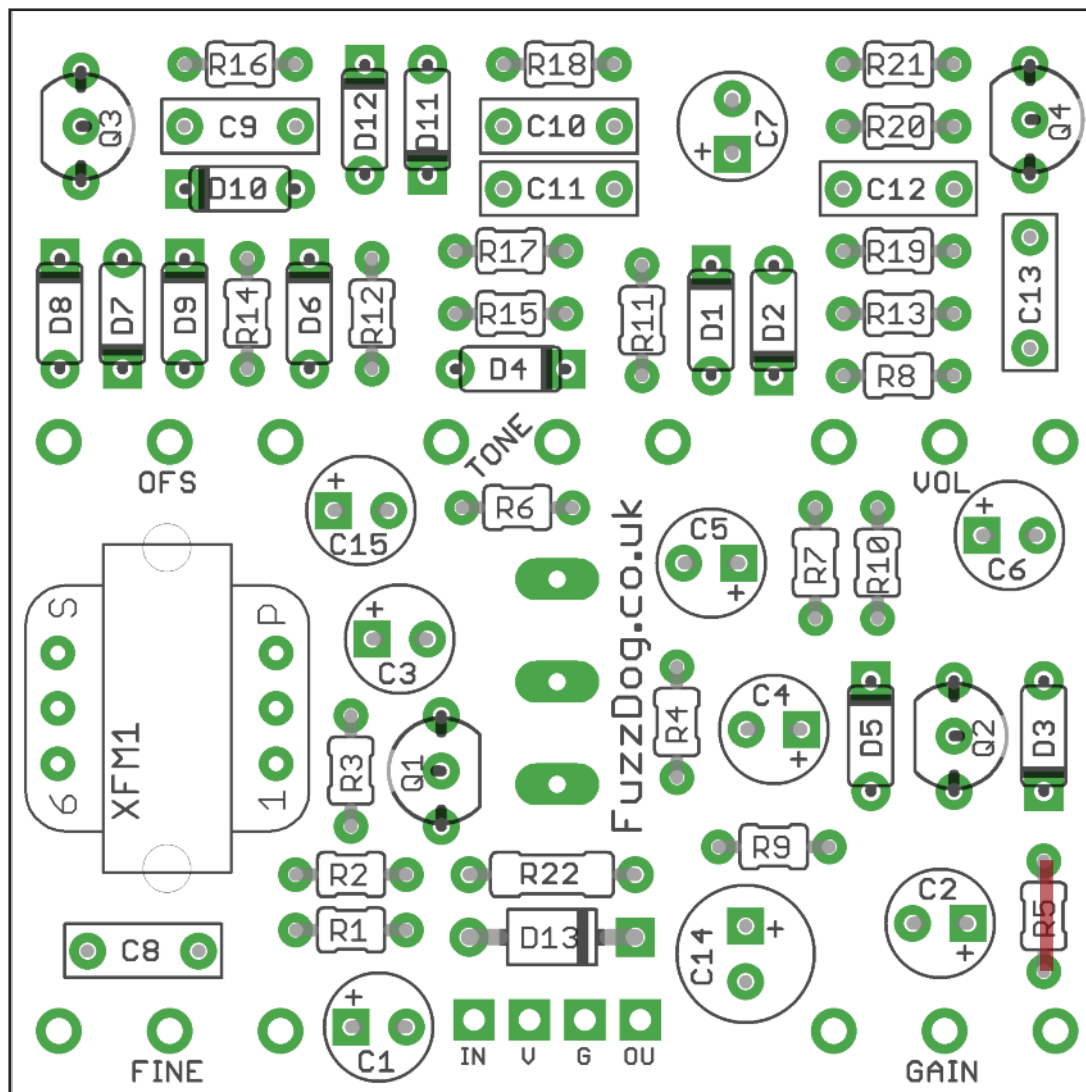
*Minimum 0.25W

†See next page

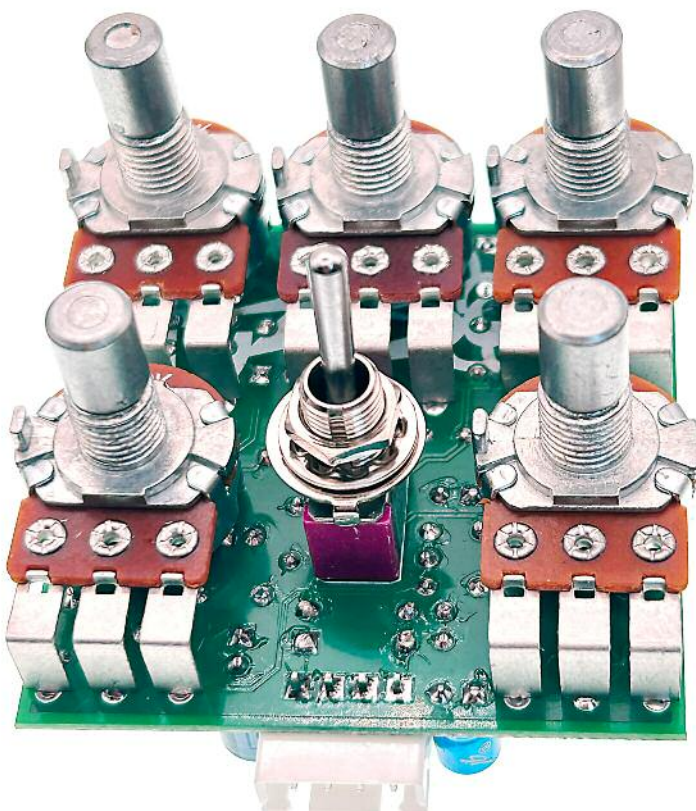
Jumpers for Bare Bones



Jumpers as shown, plus an 8K2 resistor on the GAIN pot pads. Yep, you'll have to double-up on the centre pad as you also need that jumper across pins 2+3.



Only one jumper required on a standard build - R5.



Drilling template

Hammond 1590B

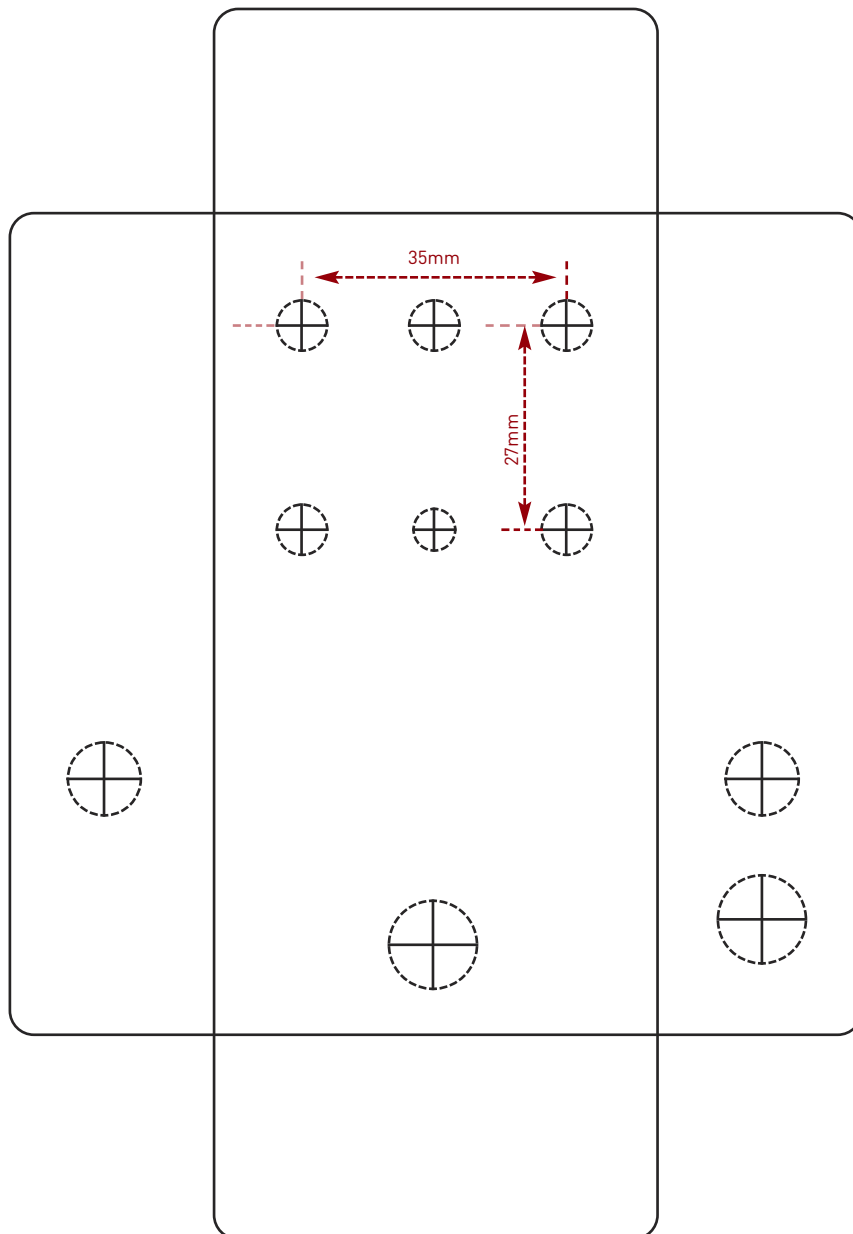
60 x 111 x 31mm

Recommended drill sizes:

Pots	7mm
Jacks	10mm
Footswitch	12mm
DC Socket	12mm
Toggle switches	6mm

It's a good idea to drill the pot and toggle switch holes 1mm bigger if you're board-mounting them.

Wiggle room = good!



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