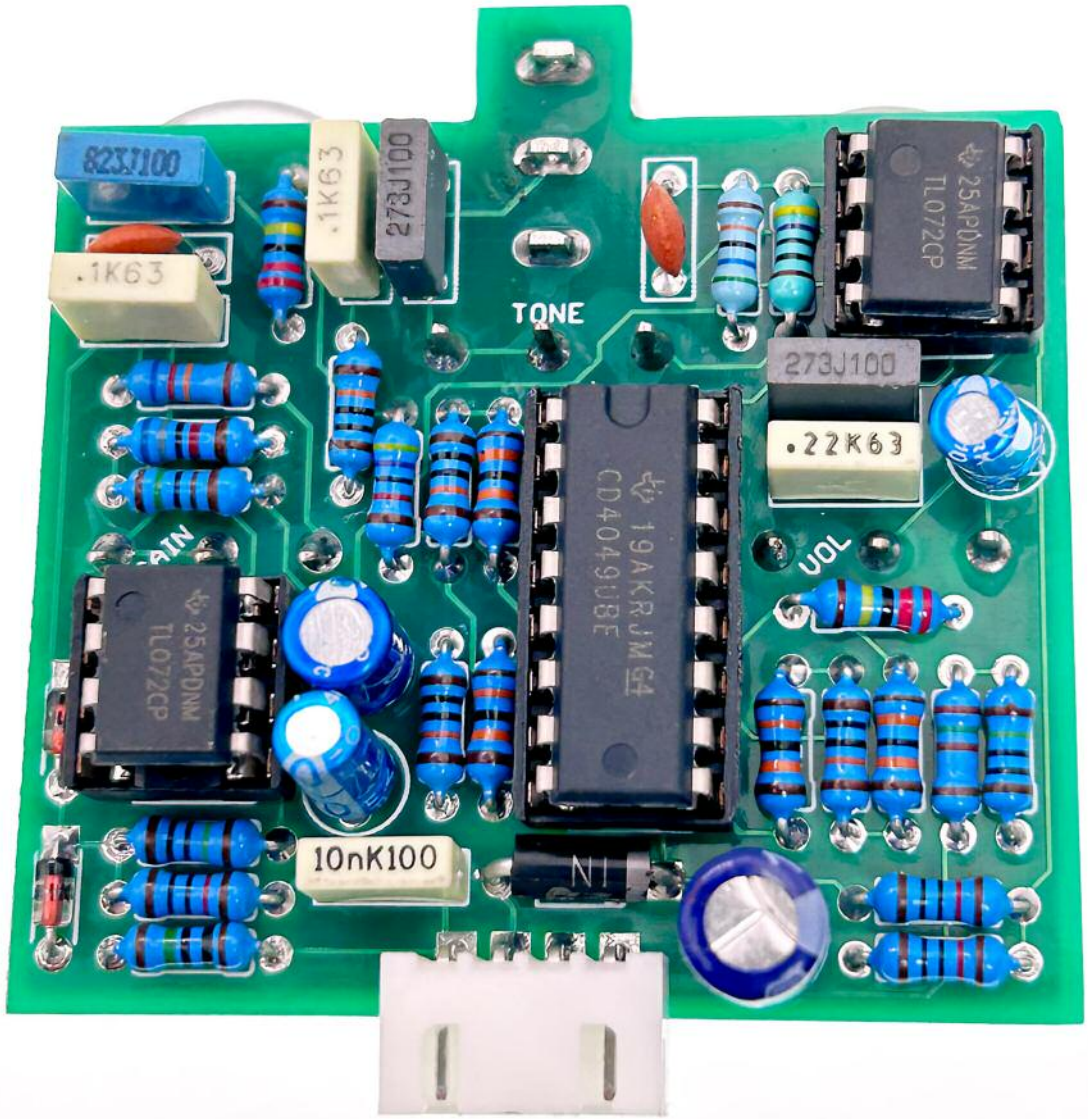
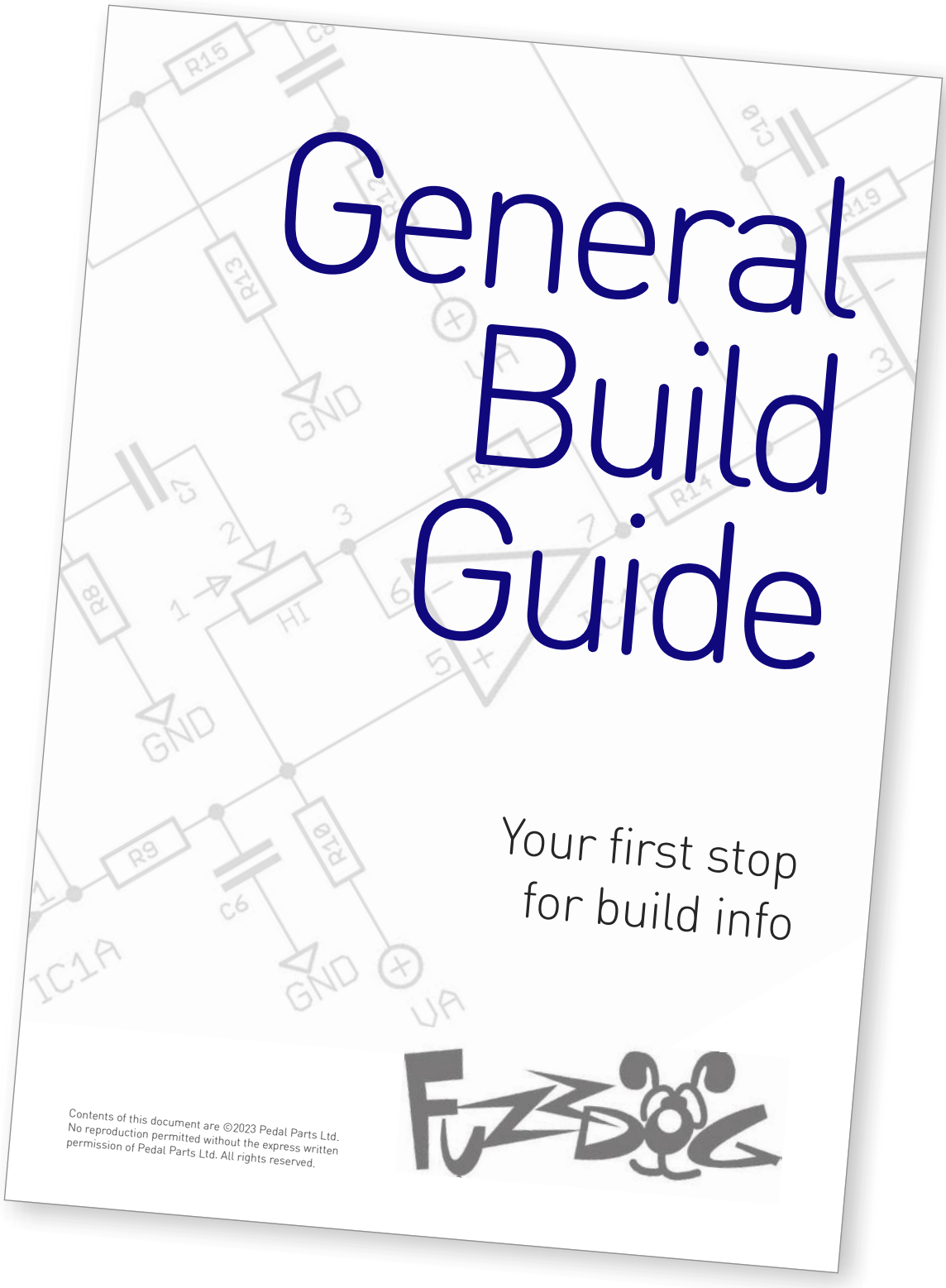


Fat Pig

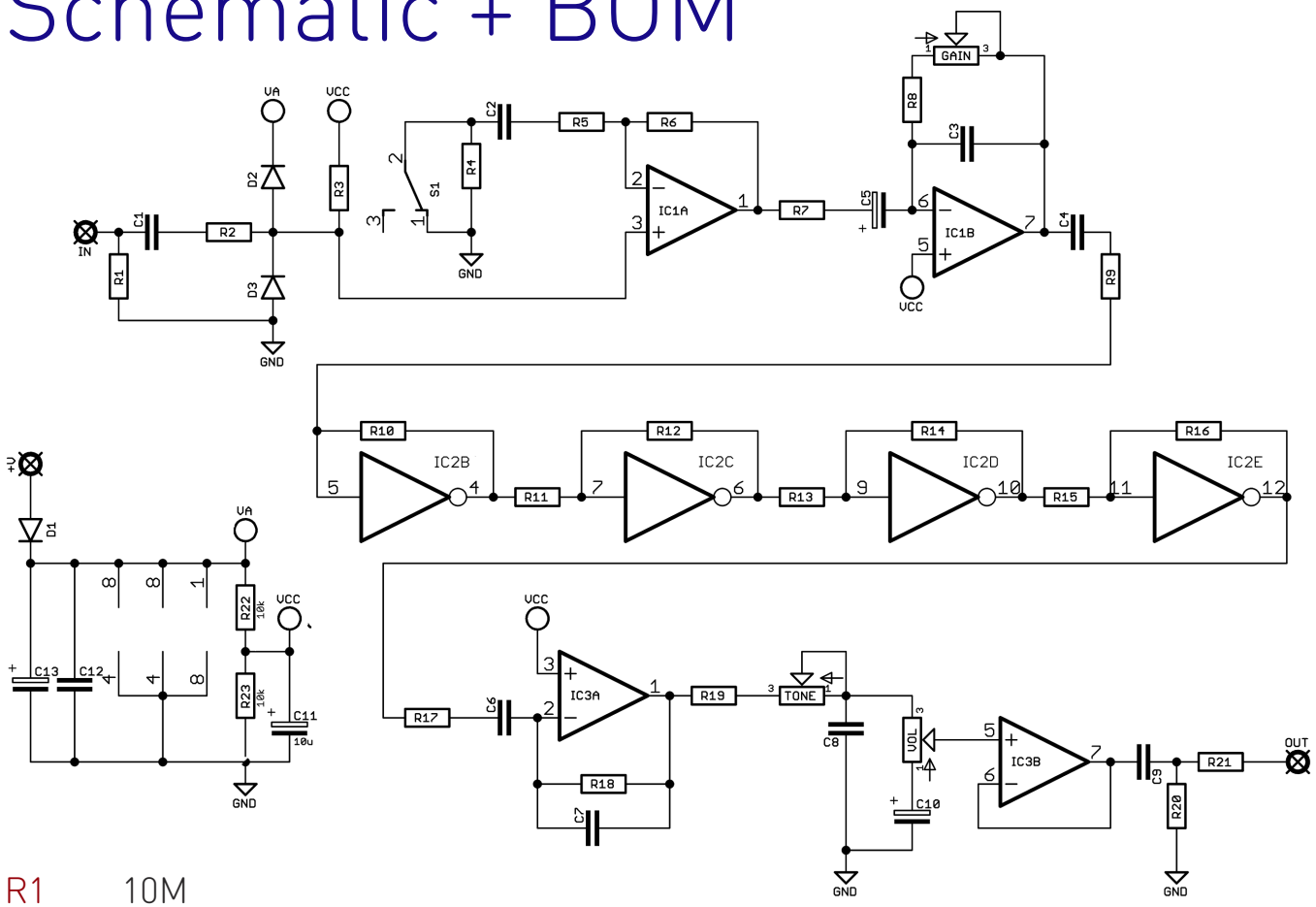
CMOS-based tube-like drive

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

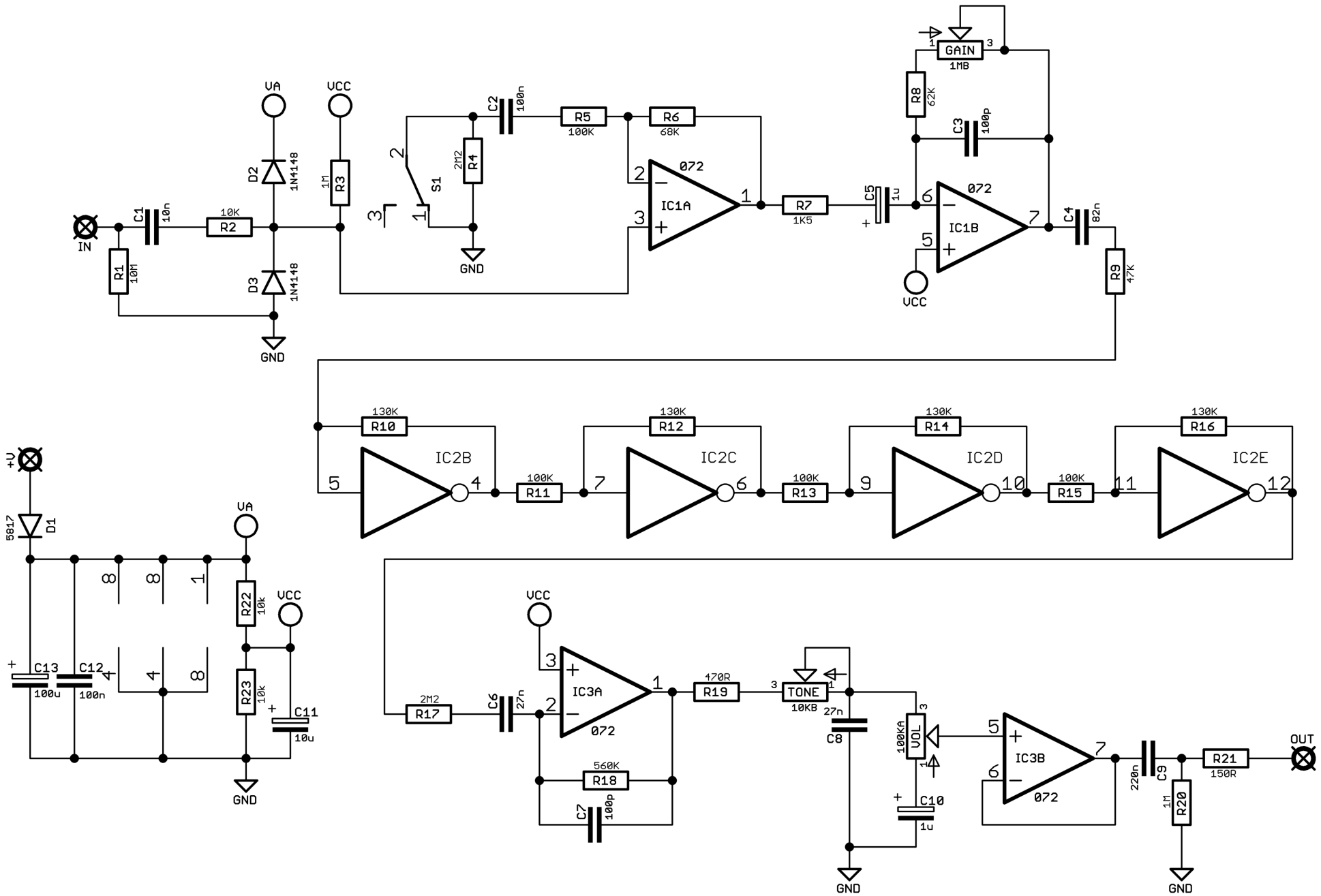


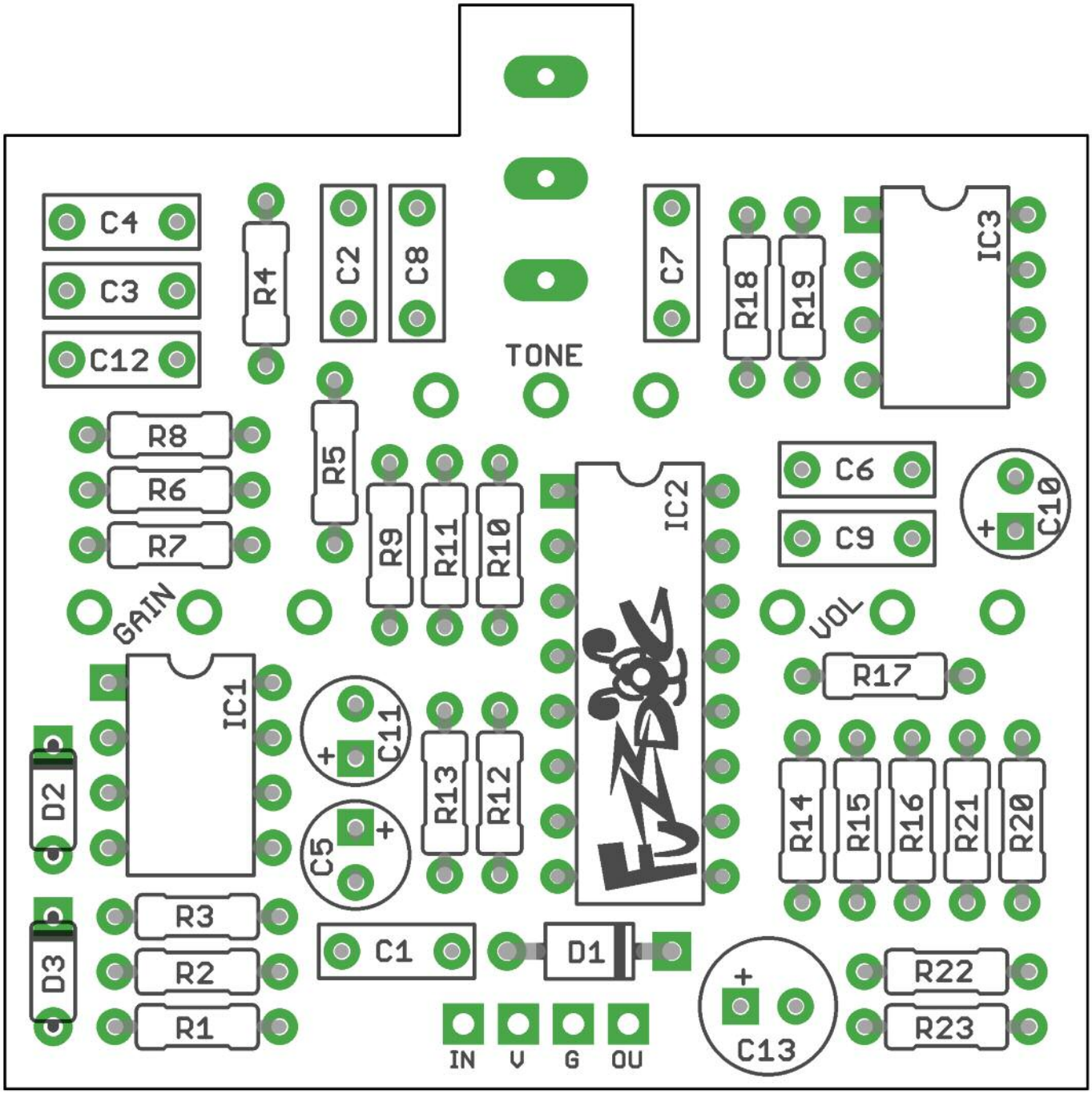
R1	10M
R2	10K
R3	1M
R4	2M2
R5	100K
R6	68K*
R7	1K5
R8	62K
R9	47K
R10	130K
R11	100K
R12	130K
R13	100K
R14	130K
R15	100K
R16	130K
R17	2M2
R18	560K
R19	560K
R20	1M
R21	150R

C1	10n
C2	100n
C3	100p
C4	82n
C5	1u elec
C6	27n
C7	100p
C8	27n
C9	220n
C10	1u elec
C11	10u elec
C12	100n
C13	100u elec

D1	1N5817
D2-3	1N4147
IC1	TL072
IC2	CD4049UBE
IC1	TL072
GAIN	1MB
TONE	10KB
VOL	100KA
SW	SPDT ON-ON

*The trace shows R6 as 680K, but the gain is way too much. We suspect it was read incorrectly, as 68K does the right stuff.


+V
5817
D1
VA
VCC
GND
IN
C1
10n
R1
10M
R2
10K
D2
1N4148
D3
1N4148
R3
1M
C2
100n
R4
2M2
S1
R5
100K
R6
68K
IC1A
072
R7
1K5
C5
1u
GAIN
1MB
R8
62K
C3
100p
IC1B
072
C4
82n
R9
47K
R10
130K
IC2B
R11
100K
R12
130K
IC2C
R13
100K
R14
130K
IC2D
R15
100K
R16
130K
IC2E
R22
10k
R23
10k
C13
100u
C12
100n
C11
10u
R17
2M2
C6
27n
IC3A
072
R18
560K
C7
100p
R19
470R
TONE
10KB
C8
27n
VOL
100KA
C10
1u
IC3B
072
C9
220n
R20
1M
R21
150R
OUT



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.

The circuit is in MORE mode with the toggle switch UP.

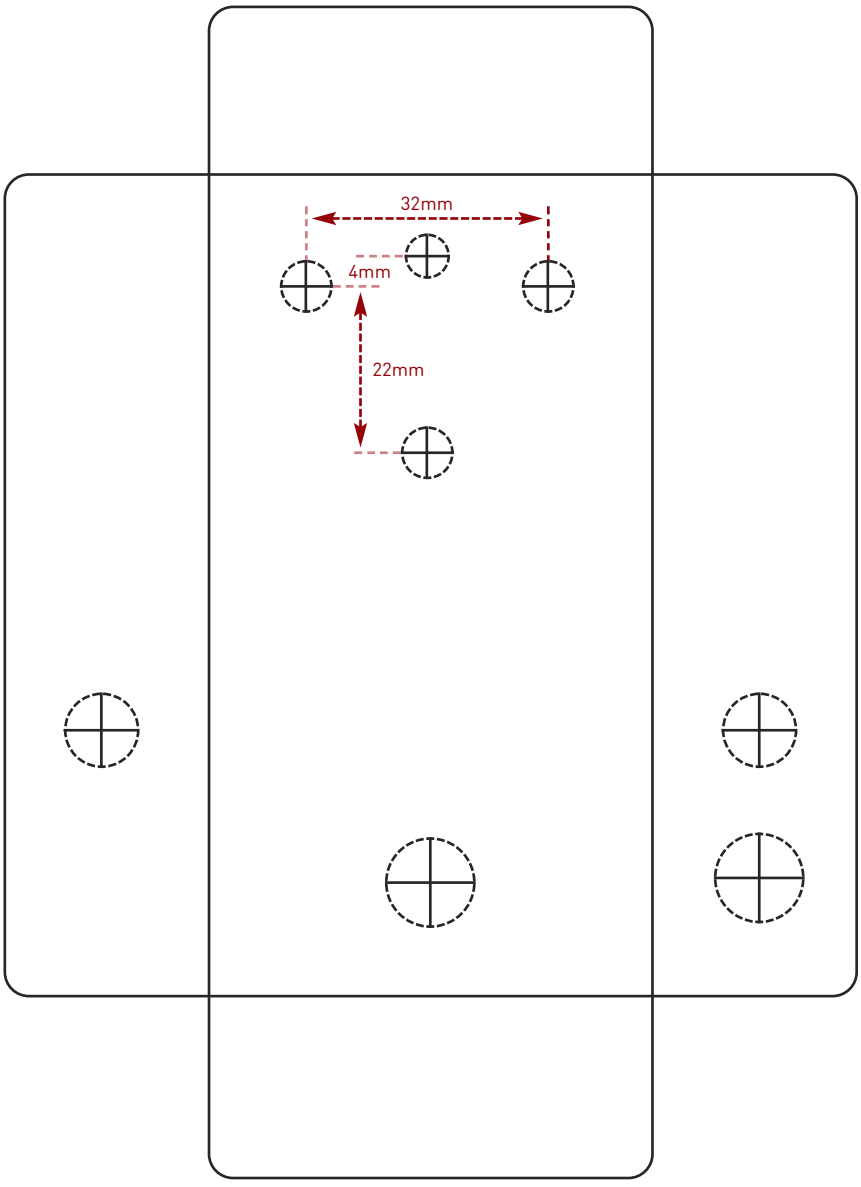
Drilling template

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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