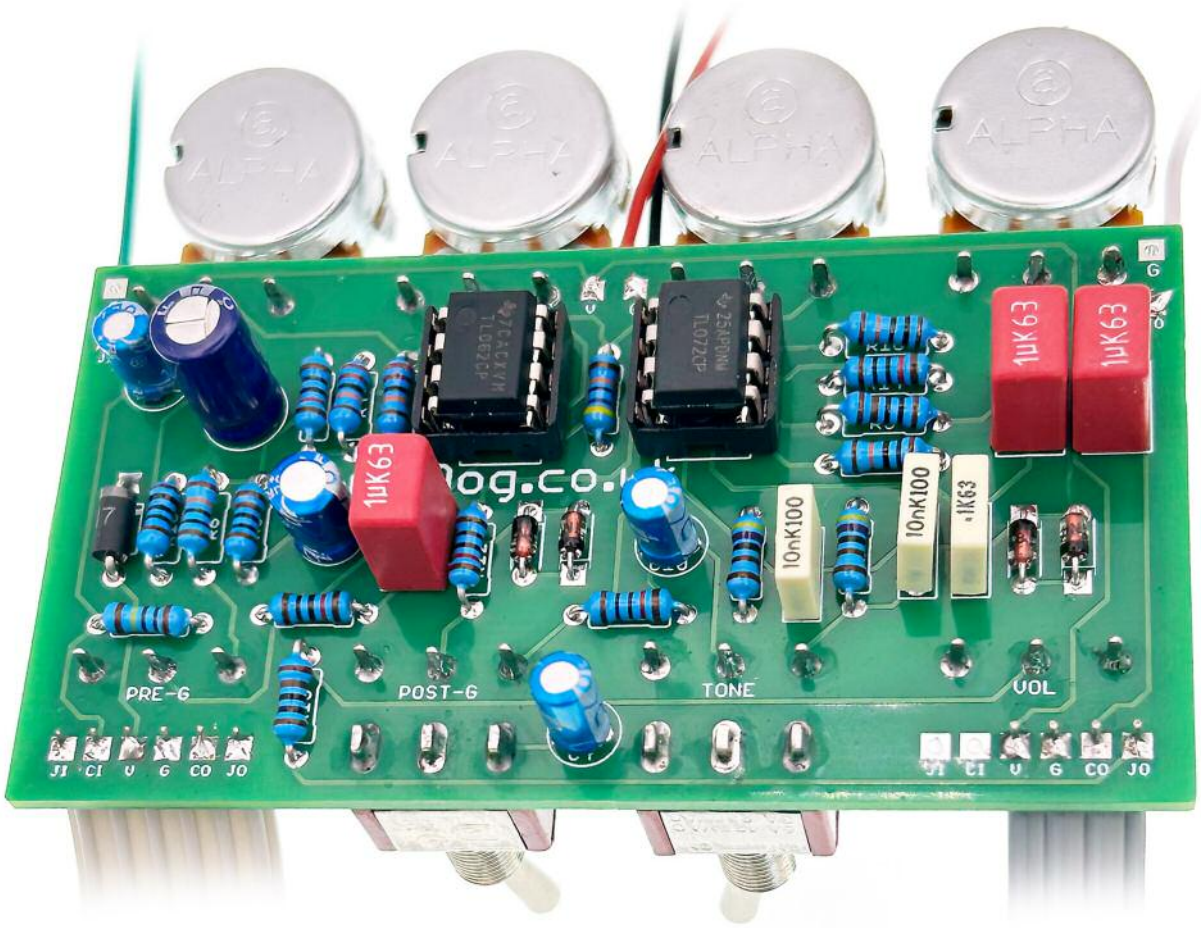
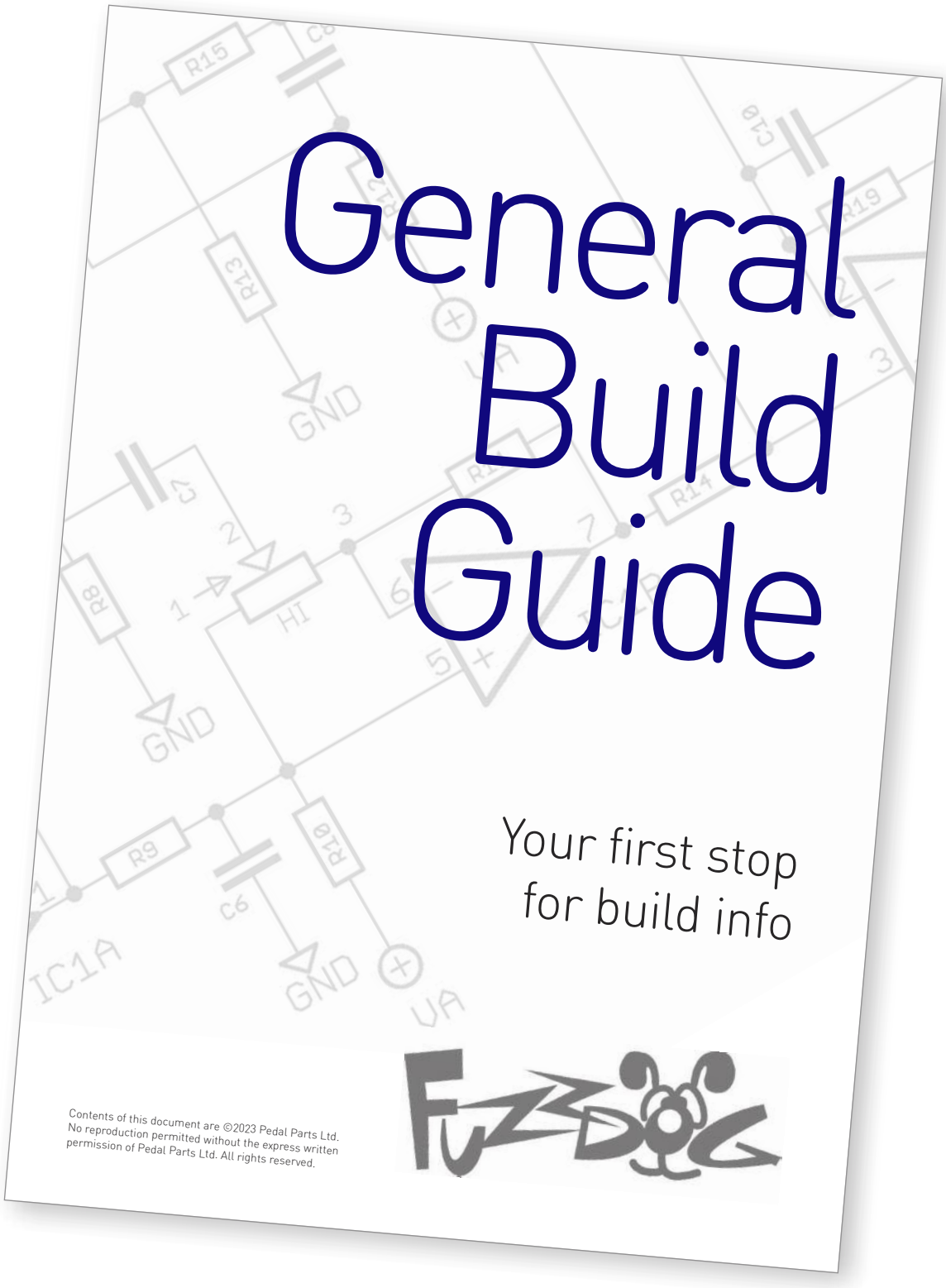


Swoosh!

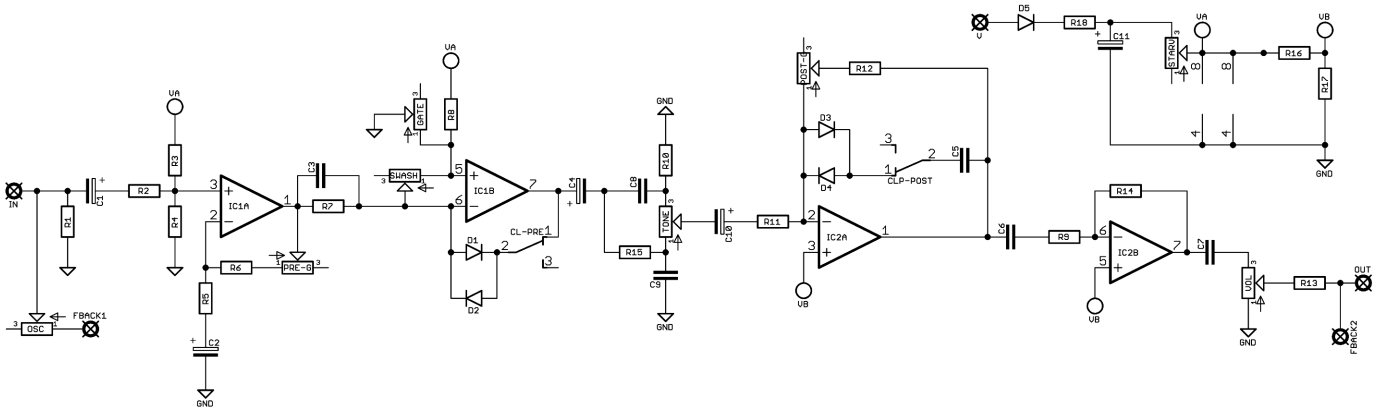
A big box of semi-controlled noise-making chaos

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



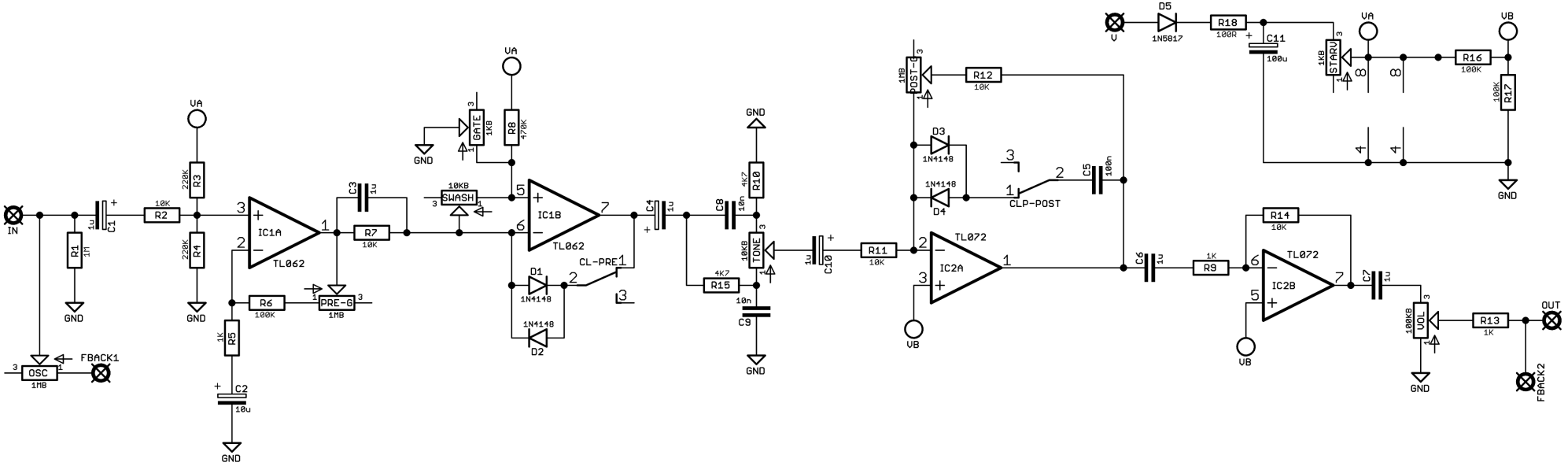
R1	1M
R2	10K
R3	220K
R4	220K
R5	1K
R6	100K
R7	10K
R8	470K
R9	1K
R10	4K7
R11	10K
R12	10K
R13	1K
R14	10K
R15	4K7
R16	100K
R17	100K
R18	100R

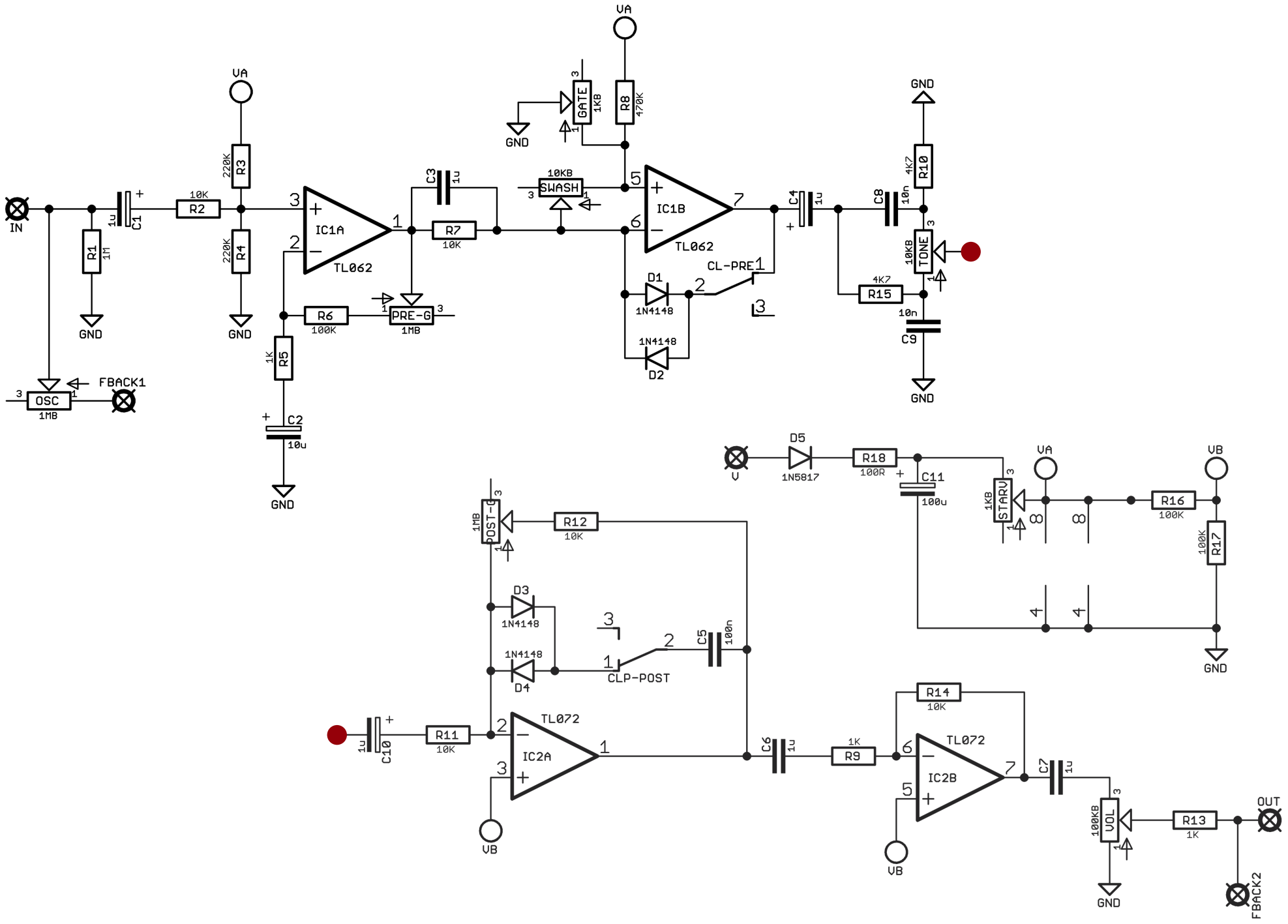
C1	1u elec
C2	10u elec
C3	1u
C4	1u elec
C5	100n
C6	1u
C7	1u
C8	10n
C9	10n
C10	1u elec
C11	100u elec

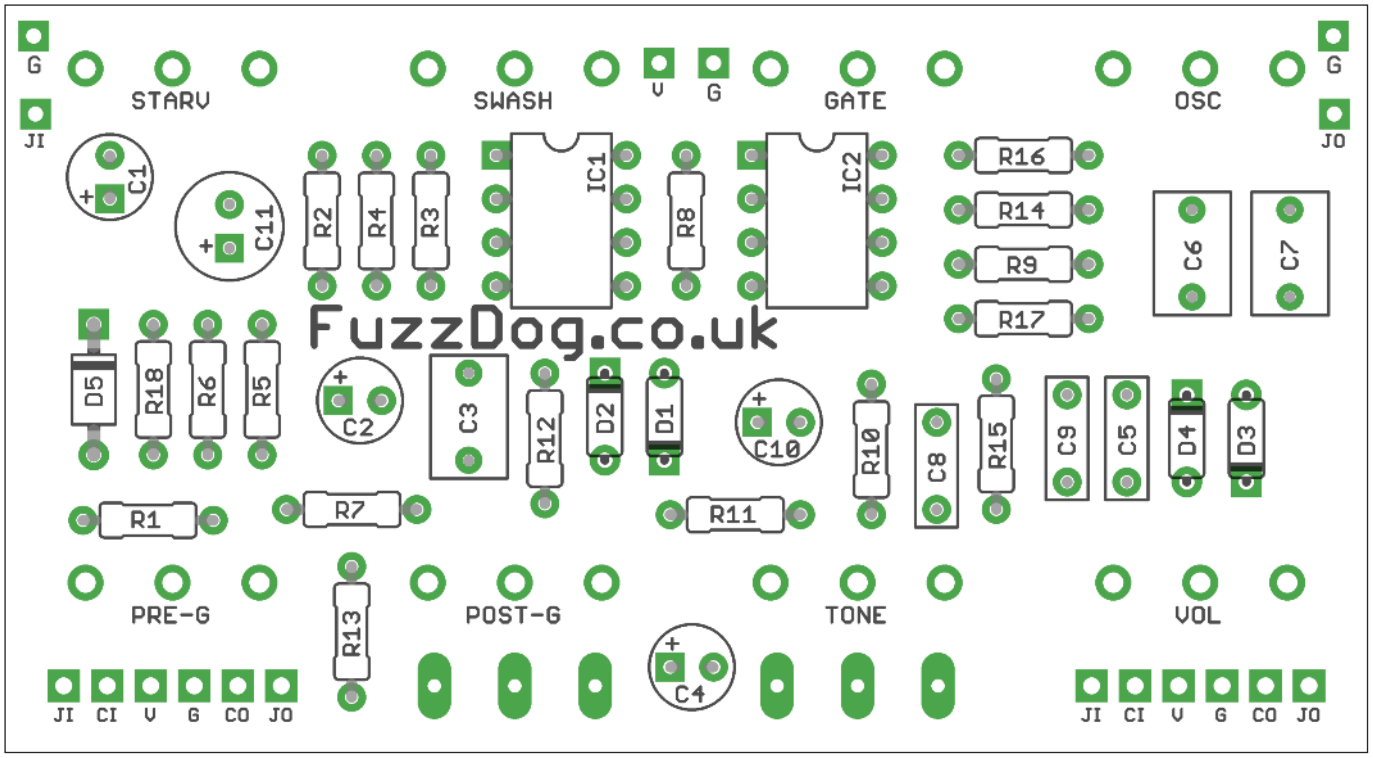
D1-4	1N4148
D5	1N5817
IC1	TL062
IC2	TL072

GATE	1KB
OSC	1MB
POST-GAIN	10KA
PRE-GAIN	10KA
STARVE	1KB
SWASH	10KB
TONE	10KB
VOL	100KB

CLP-PRE	SPDT ON-ON
CLP-POST	SPDT ON-ON


IN
R1
1M
C1
1u
R2
10K
VA
R3
220K
R4
220K
GND
IC1A
TL062
C3
1u
R7
10K
R6
100K
PRE-G
1MB
R5
1K
C2
10u
GND
FBACK1
OSC
1MB
VA
GATE
1KB
R8
470K
GND
10KB
SWASH
IC1B
TL062
D1
1N4148
D2
1N4148
CL-PRE
C4
1u
C8
10n
R10
4K7
10KB
TONE
R15
4K7
10n
C9
GND
C10
1u
R11
10K
VB
TL072
IC2A
D3
1N4148
D4
1N4148
CLP-POST
C5
100n
R12
10K
1MB
DST-G
V
D5
1N5817
R18
100R
C11
100u
VA
1KB
STARV
R16
100K
R17
100K
VB
GND
C6
1u
1K
R9
R14
10K
TL072
IC2B
C7
1u
100KB
VOL
R13
1K
OUT
FBACK2
GND


VA
IN
R1
1M
C1
1u
10K
R2
220K
R3
220K
R4
IC1A
TL062
C3
1u
R7
10K
R6
100K
PRE-G
1MB
R5
1K
C2
10u
GND
OSC
1MB
FBACK1
GATE
1KB
R8
470K
10KB
SWASH
IC1B
TL062
D1
1N4148
D2
1N4148
CL-PRE
C4
1u
C8
10n
R10
4K7
10KB
TONE
R15
4K7
C9
10n
D5
1N5817
R18
100R
C11
100u
1KB
STARV
R16
100K
R17
100K
POST-G
1MB
R12
10K
D3
1N4148
D4
1N4148
CLP-POST
C5
100n
C10
1u
R11
10K
IC2A
TL072
C6
1u
1K
R9
R14
10K
IC2B
TL072
C7
1u
100KB
VOL
R13
1K
OUT
FBACK2
VB



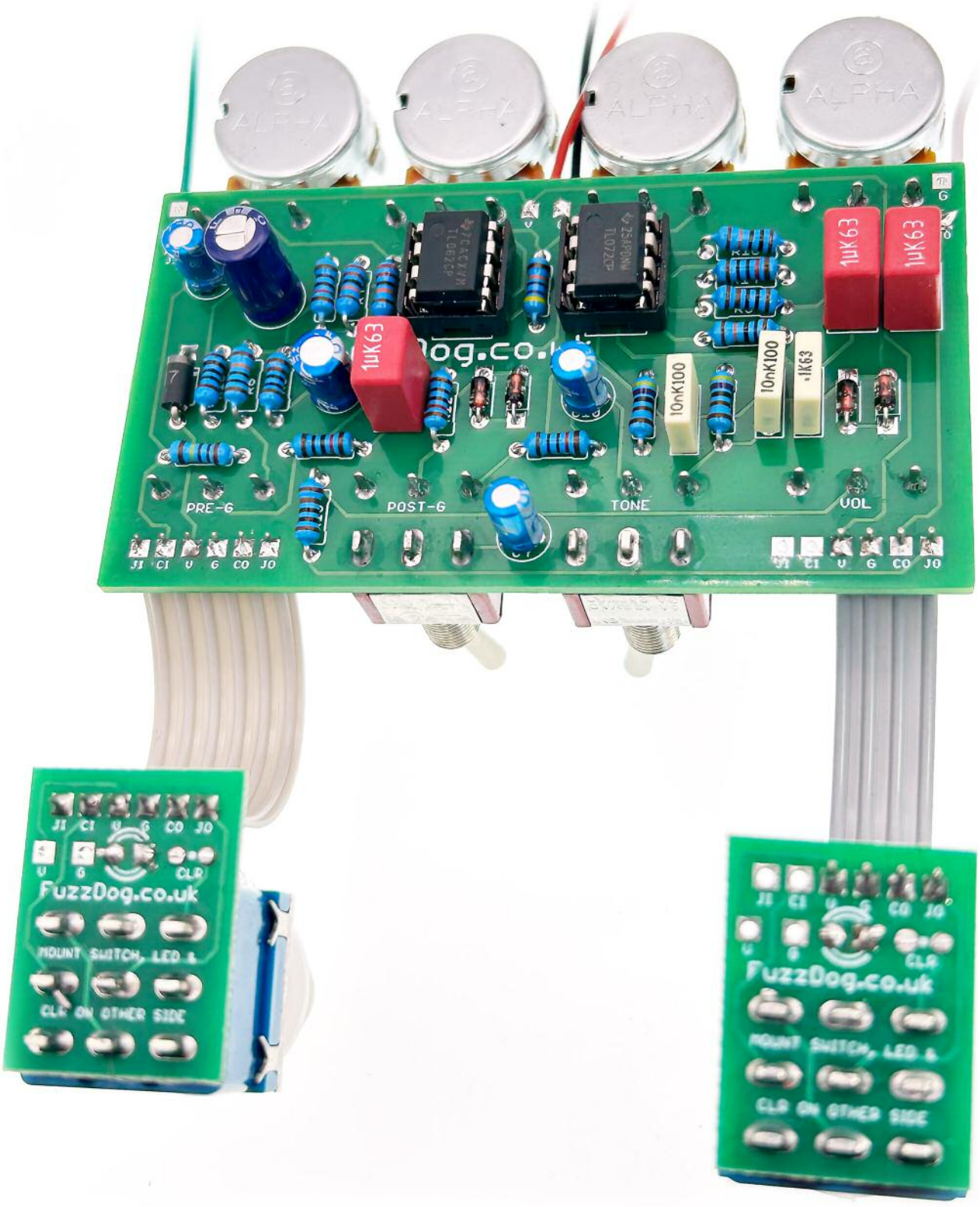
Snap the small metal tag off the pots so they can be mounted flush in the box.

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.

Looking at the component side of the PCB, the left footswitch pads are your main bypass, the right are your oscillation switch.

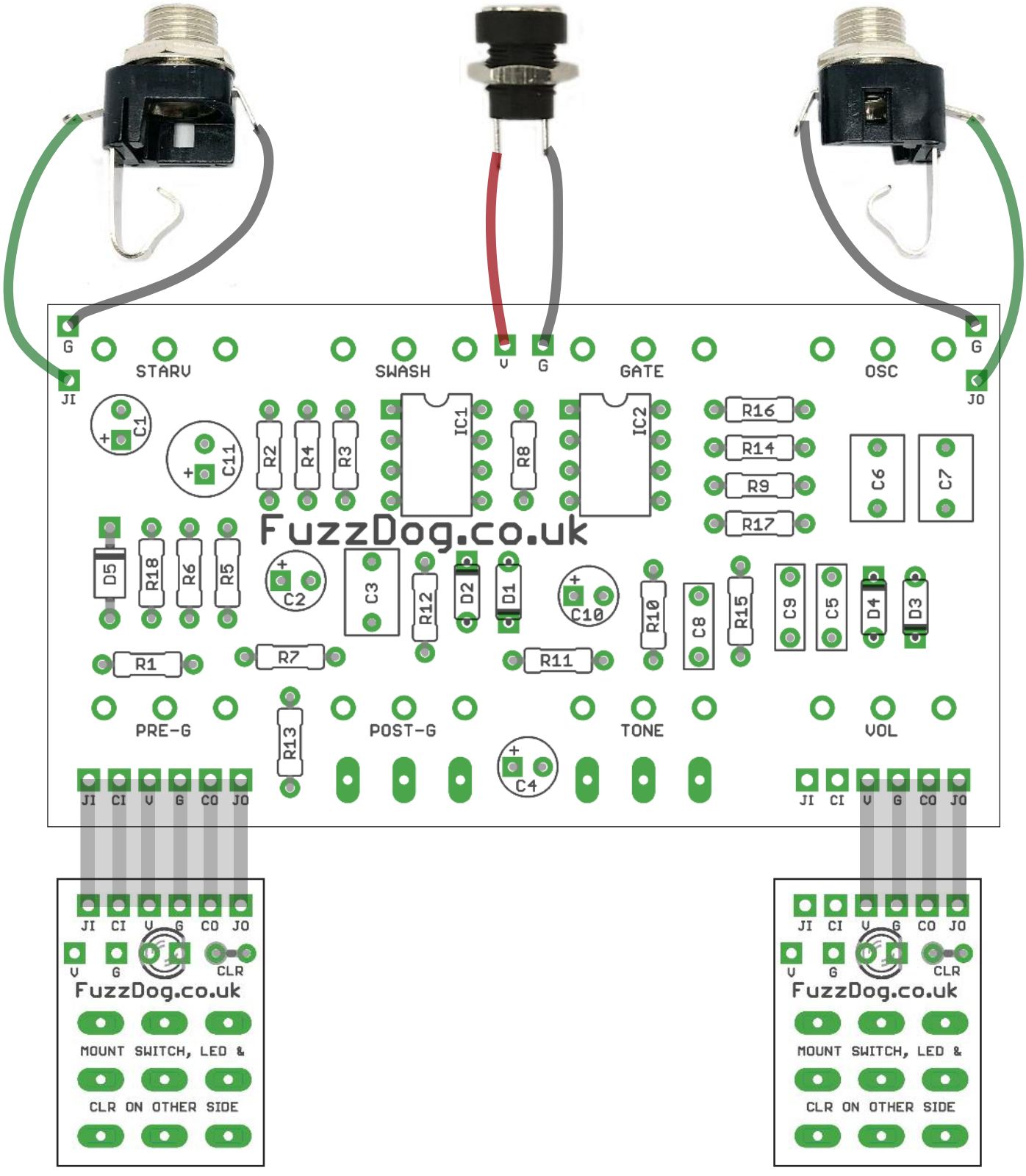
The JI and CI pads are not connected on the OSC switch board. They're only included so we could utilise our existing switch boards for this build.


ALPHA
ALPHA
ALPHA
ALPHA
1µK63
1µK63
1µK63
10nK100
10nK100
.1K63
PRE-G
POST-G
TONE
VOL
JI CI V G CO JO
JI CI V G CO JO
JI CI V G CO JO
V G CLR
FuzzDog.co.uk
MOUNT SWITCH, LED &
CLR ON OTHER SIDE
JI CI V G CO JO
V G CLR
FuzzDog.co.uk
MOUNT SWITCH, LED &
CLR ON OTHER SIDE

Wiring

with latching 3PDT oscillation switch including LED indicator

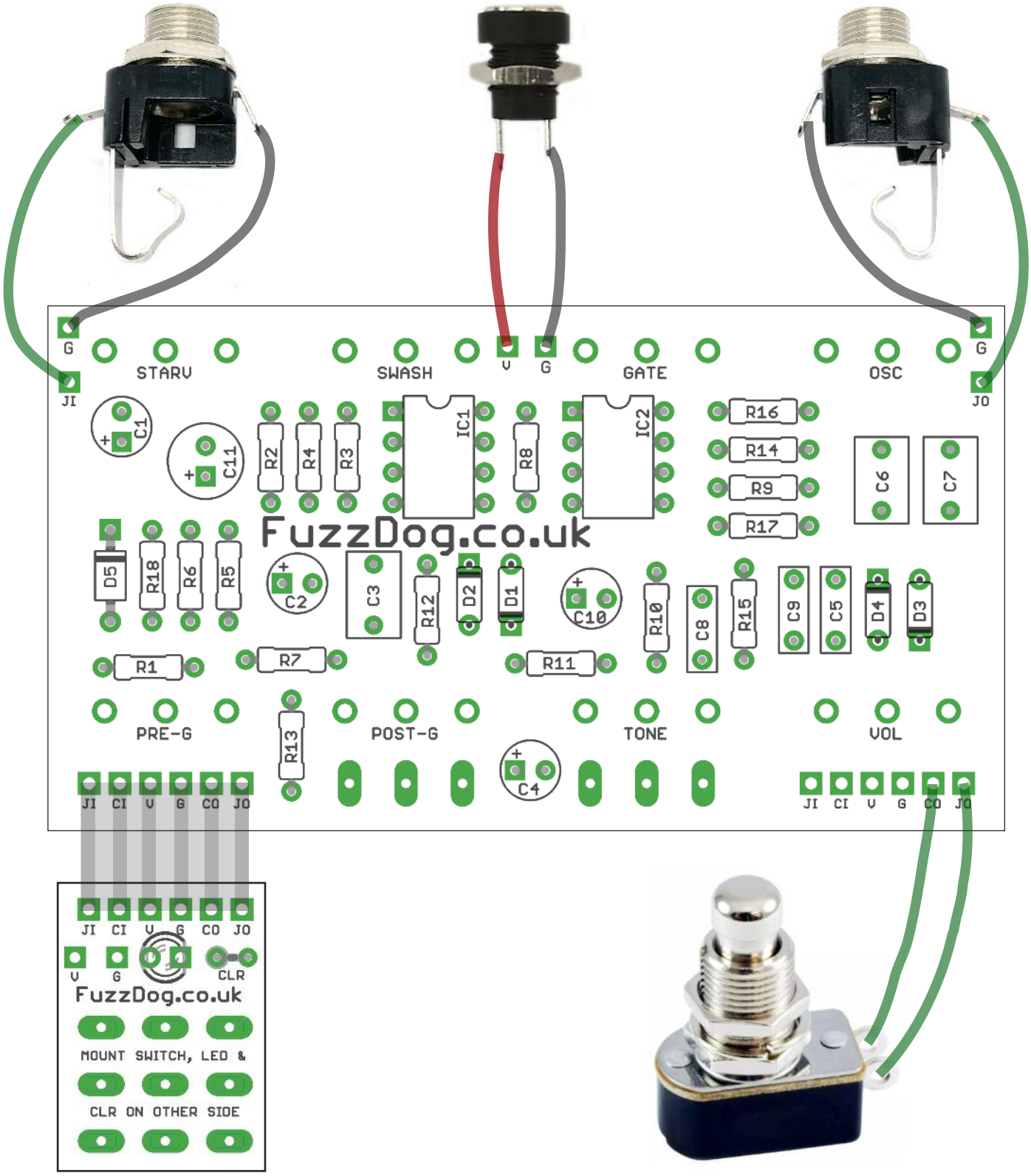
When the OSC footswitch is engaged, the CO pad connects to the JO pad, completing the oscillation circuit.



Wiring

with momentary SPDT oscillation switch, no LED indicator

No need for an LED - you know when your foot is on the switch...



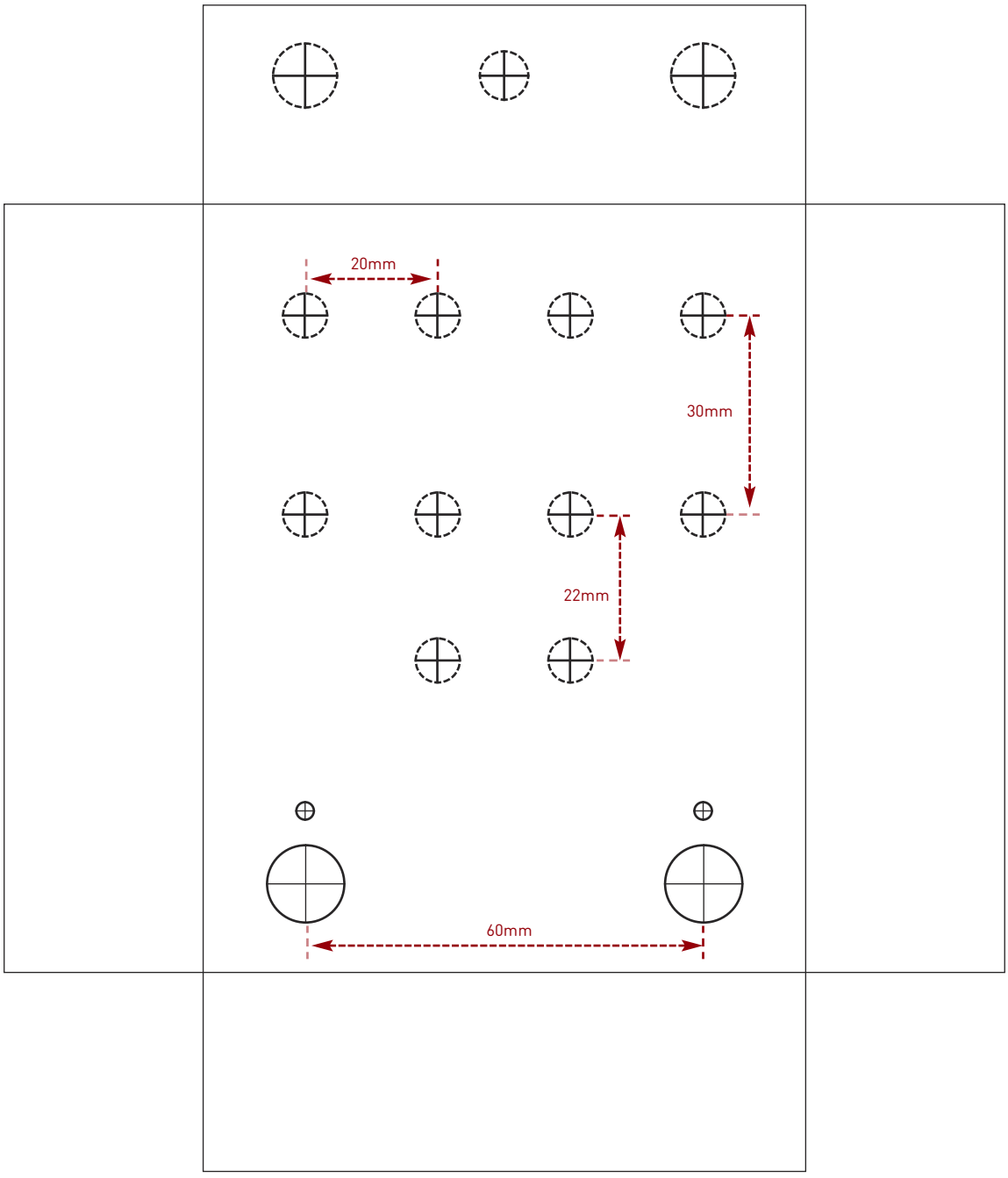
Drilling template

Hammond 1590BB

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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