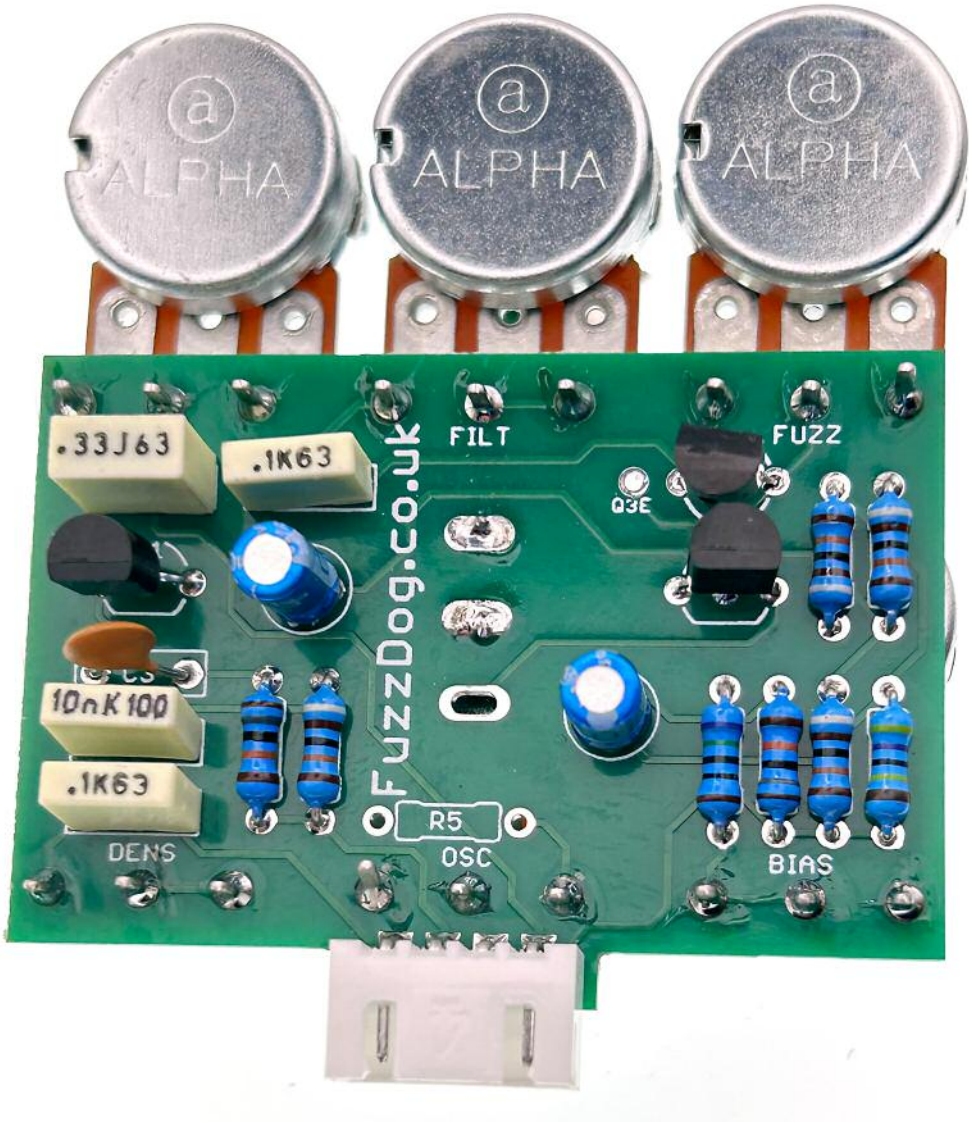


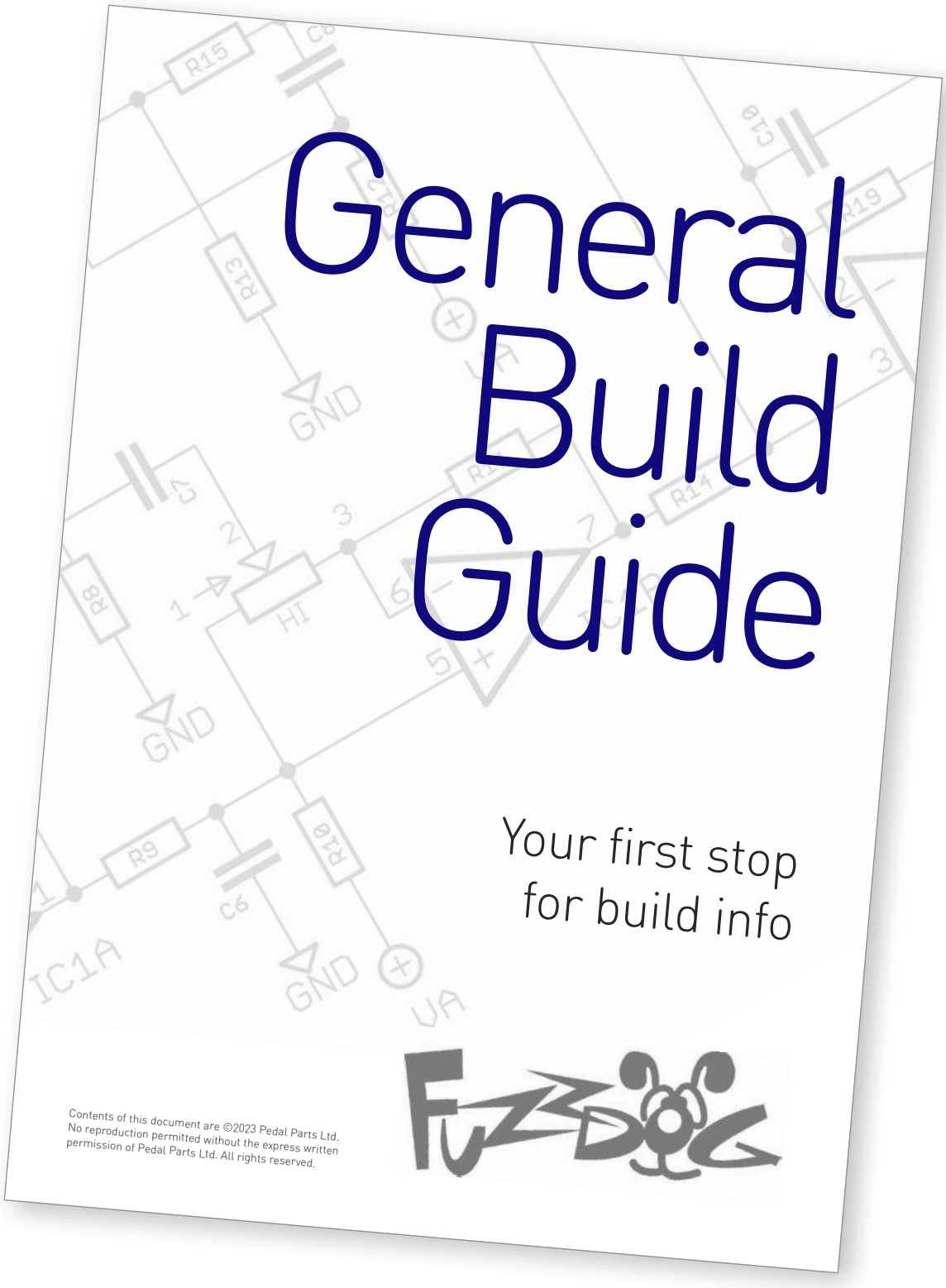
Bionic Guzz Fun

Whacky fuzz hi-jinx

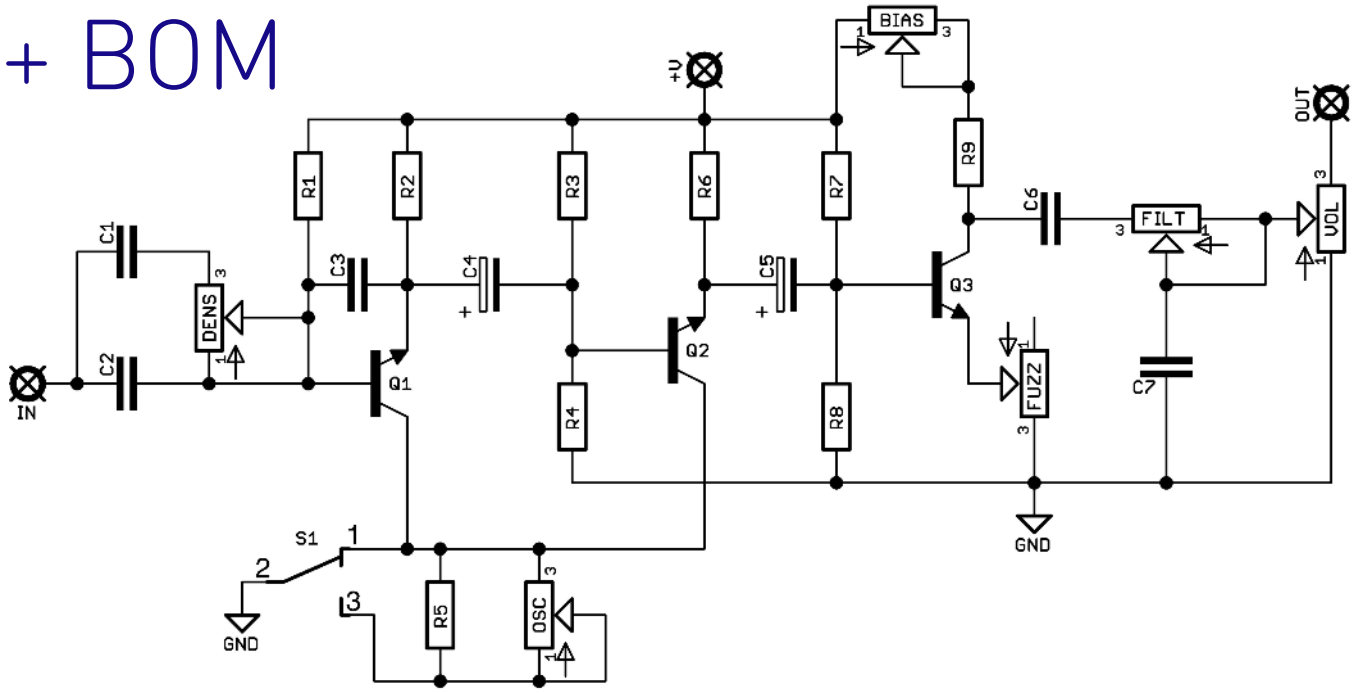
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Before you dig in, ensure you download and read the **General Build Guide**.

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



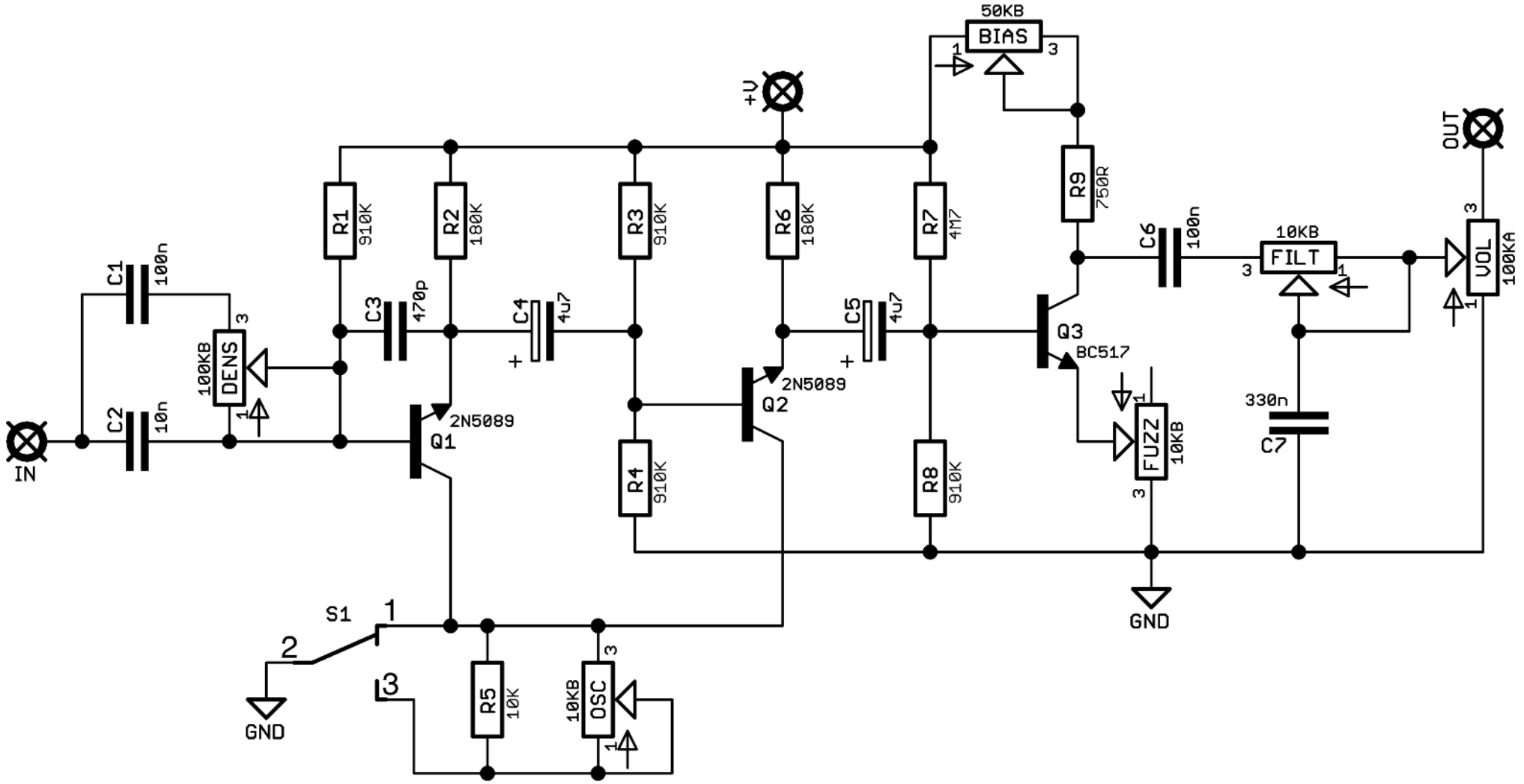
Schematic + BOM



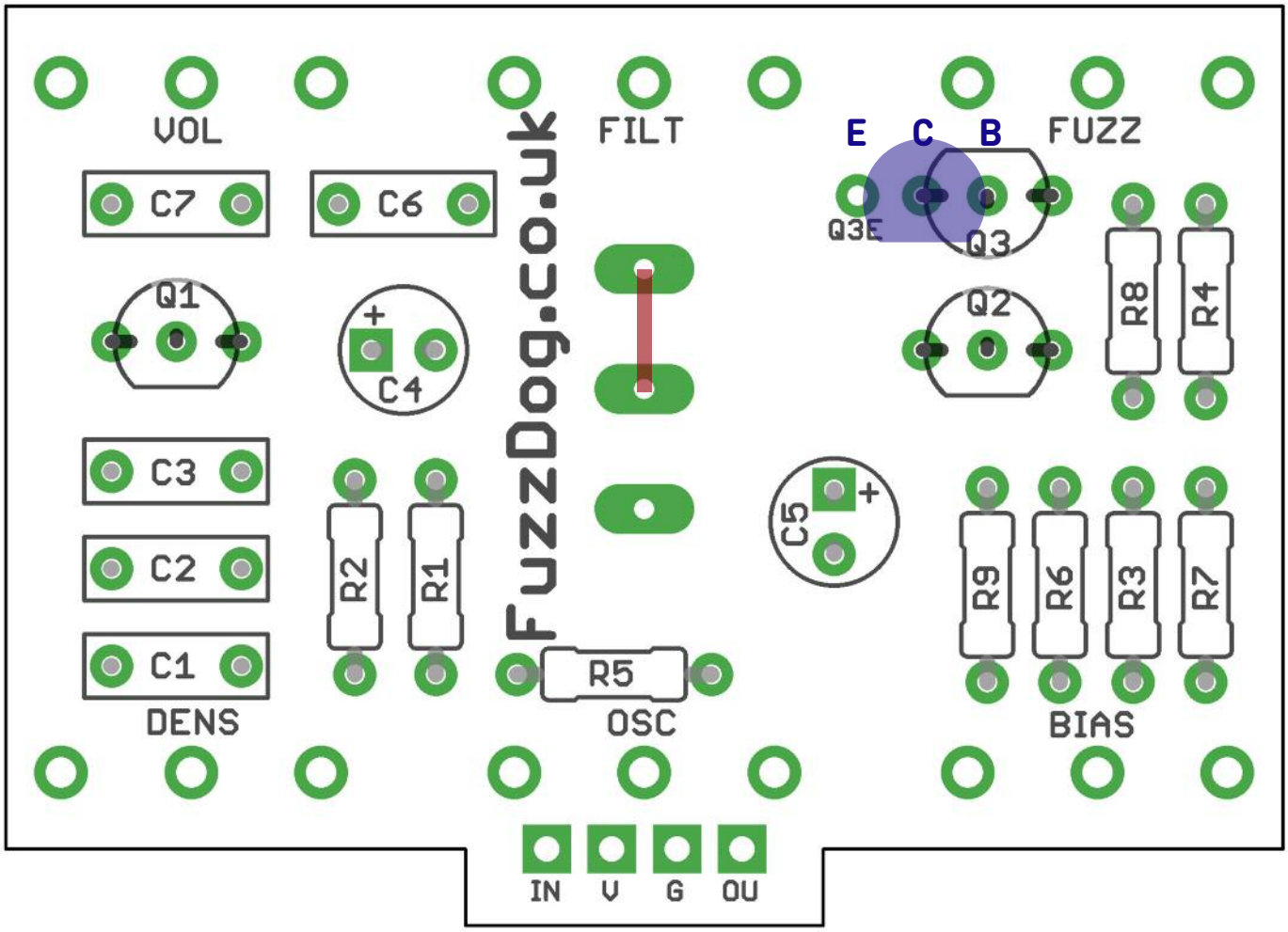
R1	910K	C1	100n	Q1-2	MPSA06
R2	180K	C2	10n	Q3	BC517
R3	910K	C3	470p		
R4	910K	C4	4u7 elec	BIAS	50KB
R5	10K/Empty*	C5	4u7 elec	DENS	100KB
R6	180K	C6	100n	FILT	10KB
R7	4M7	C7	330n	FUZZ	10KB
R8	910K			VOL	100KA
R9	750R			OSC	10KB*
				S1	SPDT ON-ON*

*Oscillation. Stock is R5 = 10K and a toggle switch. We've added the option to use a pot to dial in different flavours. This is always on rather than switched. For this option omit R5, populate the OSC pot space and add a jumper on the switch pads as shown on page 5. Fully clockwise is no oscillation.

**Older units use Q1-2 = 2N5089, Q3 =2N3906, but it can be gated beyond any practical use. We know - we owned an original. The updated components give better results. If you want to go stock you need to watch the pinout of Q3. See page 5.

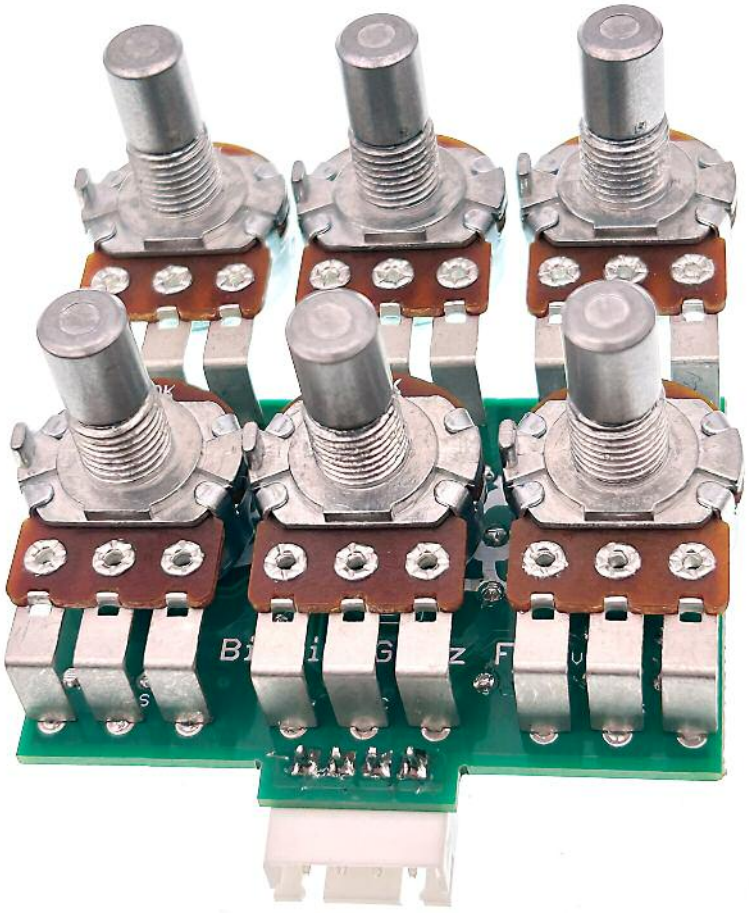

IN
C1
100n
C2
10n
100KB
DENS
R1
910K
R2
180K
C3
470p
C4
4u7
Q1
2N5089
S1
1
2
3
GND
R5
10K
10KB
OSC
+V
R3
910K
R6
180K
C5
4u7
Q2
2N5089
R4
910K
50KB
BIAS
R7
4M7
R8
910K
R9
750R
Q3
BC517
C6
100n
FUZZ
10KB
GND
10KB
FILT
330n
C7
OUT
VOL
100KA

PCB layout ©2026 Pedal Parts Ltd.



Place a jumper as shown above if using a pot for the oscillation control.

2N5306 should mount as shown in blue. They have ECB pinout.



Drilling template

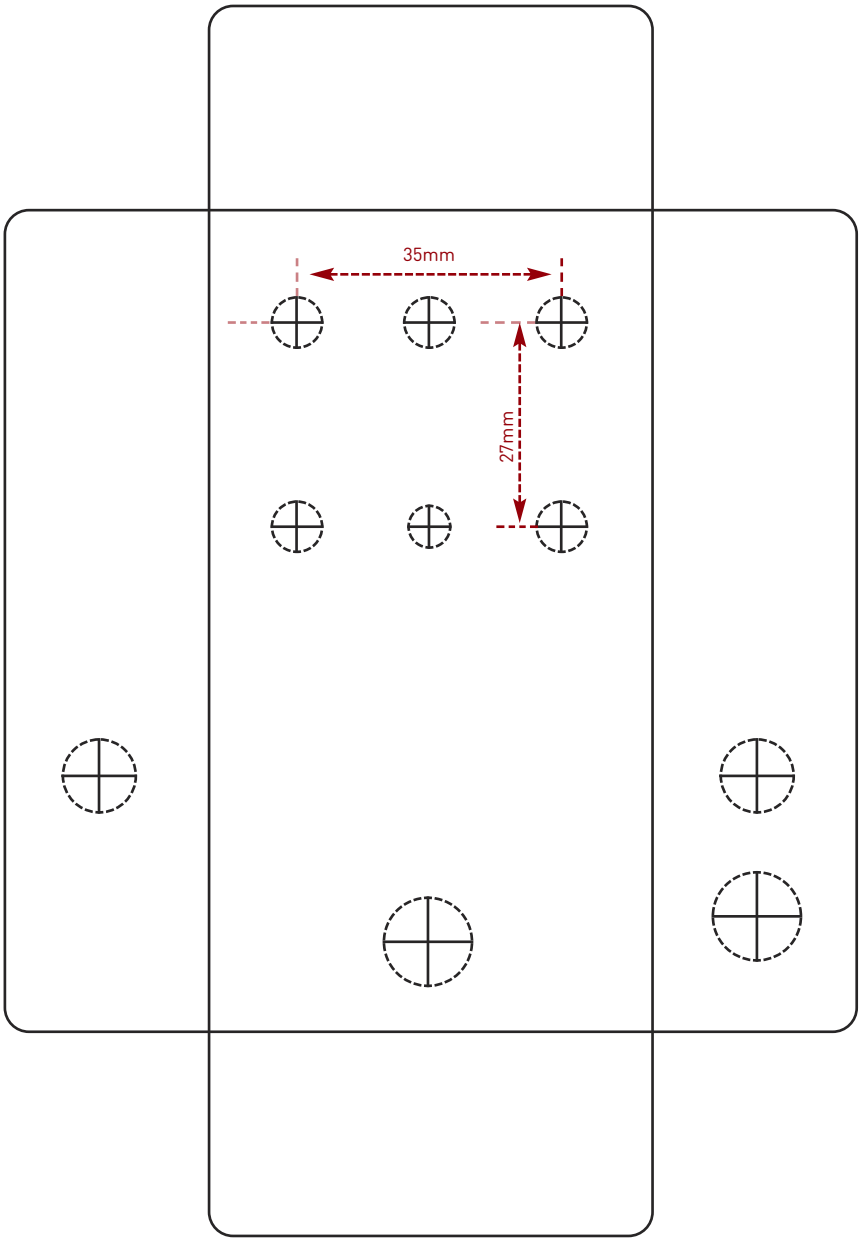
Hammond 1590B

60 x 111 x 31mm

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

Recommended drill sizes:

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



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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