
GuitarPCB Present

NostalgiTone SONIC BLOOM Single

Bring greater clarity, definition, and depth to your entire guitar rig.

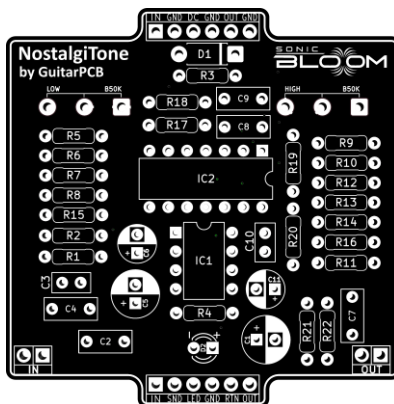
Sonic Bloom is designed to enhance the natural character of your guitar and amplifier rather than color it. By improving note definition, tightening the low end, and increasing overall articulation, Sonic Bloom gives chords greater clarity, single notes more focus, and your entire rig a more open, balanced, and three-dimensional response.

The intuitive HIGH and LOW controls make it easy to tailor the enhancement to virtually any guitar, amplifier, or pedalboard. Whether placed after your drive pedals, at the end of your effects chain, or in an amplifier's effects loop, Sonic Bloom enhances clarity, low-end punch, and overall definition while preserving the natural feel and dynamics of your playing.

Sonic Bloom also works exceptionally well with acoustic guitars, enhancing clarity, dimension, and natural presence while preserving the instrument's unique voice. It is equally at home on Bass guitar, delivering improved definition while retaining a full, natural low end.

🔧 Easy Wiring: No more daunting wiring hassles! Say hello to beauty under the hood. Enjoy all-analog tones with modern features that will slip into your gig bag, ensuring you are always ready to unleash your musical magic.

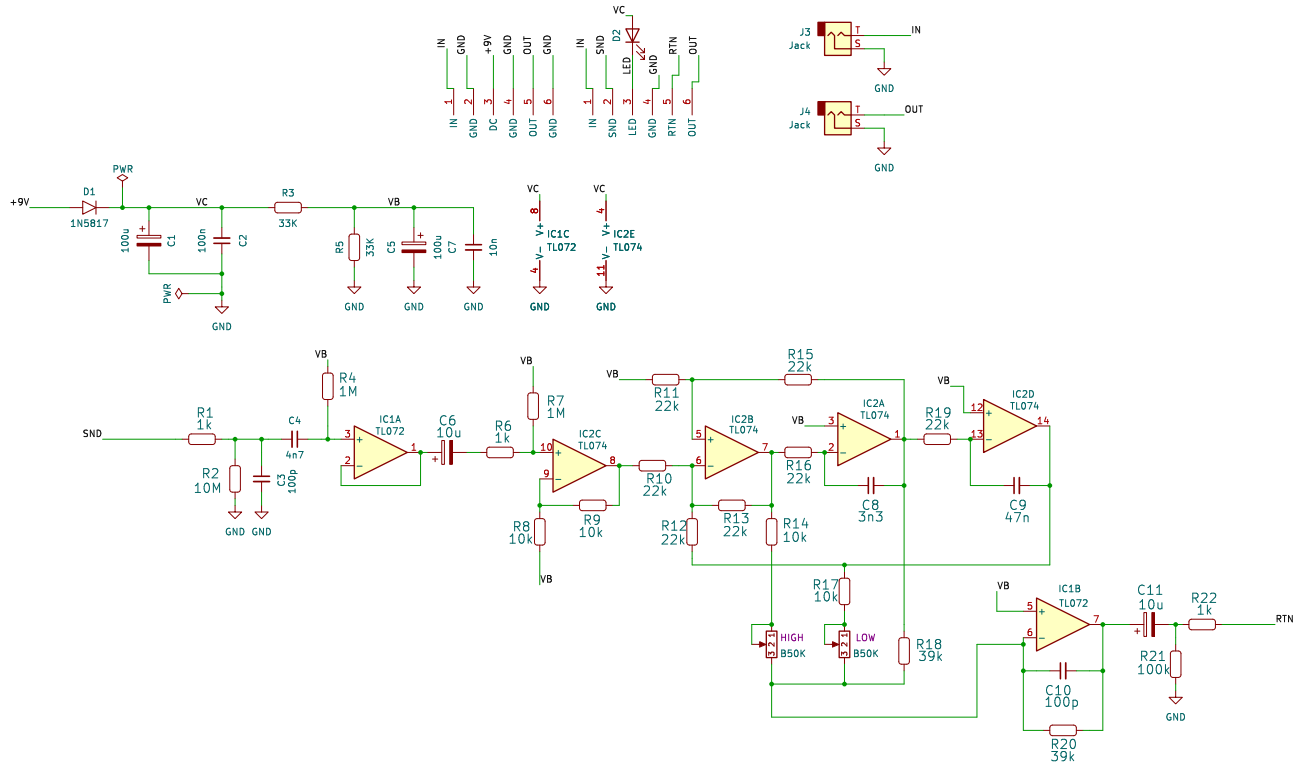
🔧 Available Components: We recognize the hurdles of component availability. Rest assured, we've carefully selected components for the **NostalgiTone** series currently available from today's popular vendors.



Mainboard Dimensions – 2.10" x 2.12" – Perfectly sized for a 1590B or 125B enclosure

Included with each PCB purchase. – (1) Mainboard, (1) wiring board, and (1) ribbon cable.

Schematic:



Bill of Materials:

PART	VALUE	PART	VALUE	PART	VALUE	PART	VALUE
R1	1k	R12	22k	C1	100u	D1	1N5817
R2	10M	R13	22k	C2	100n	D2	Status LED
R3	33K	R14	10k	C3	100p		
R4	1M	R15	22k	C4	4n7	IC1	TL072
R5	33K	R16	22k	C5	100u	IC2	TL074
R6	1k	R17	10k	C6	10u		
R7	1M	R18	39k	C7	10n	HIGH	B50K
R8	10k	R19	22k	C8	3n3	LOW	B50K
R9	10k	R20	39k	C9	47n		
R10	22k	R21	100k	C10	100p	* CLR x 1	1k8 - 4k7
R11	22k	R22	1k	C11	10u		

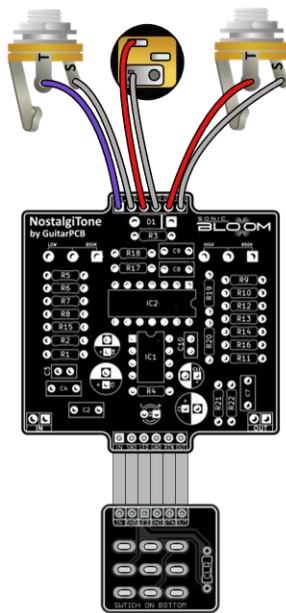
Build Notes:

Included with the purchase of the main PCB board will be (1) standard foot switch wiring board (6-pins), and (1) standard 6-pin ribbon cable. This simplifies the wiring process while keeping troubleshooting and noise to a minimum.

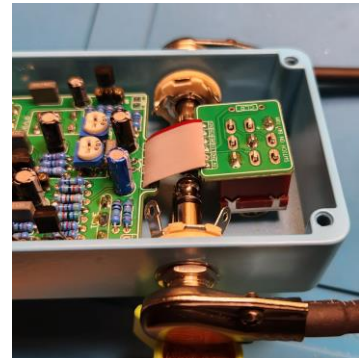
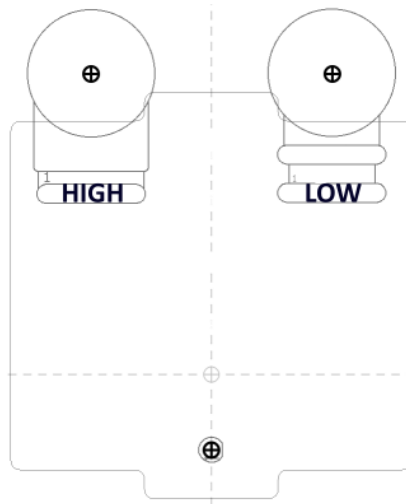
Use a standard **6-pin ribbon cable** to connect the foot switch wiring board to the main board. Each **3PDT wiring board** includes an onboard Current Limiting Resistor (CLR) location to control and protect the brightness of the main board's status LED. * **CLR** requires a value between 1k8 (brighter) and 4k7 (dimmer), depending on your preferred LED brightness.

Preferred setting: Start with both controls at 12:00 and then fine tune from there to your liking.

Wiring Diagram

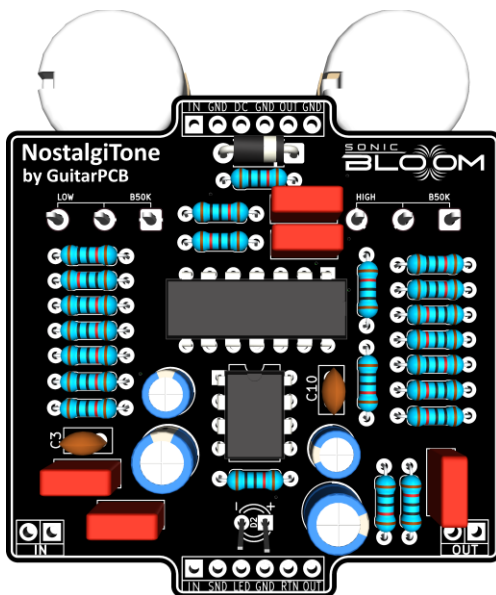


Generic Drill Template



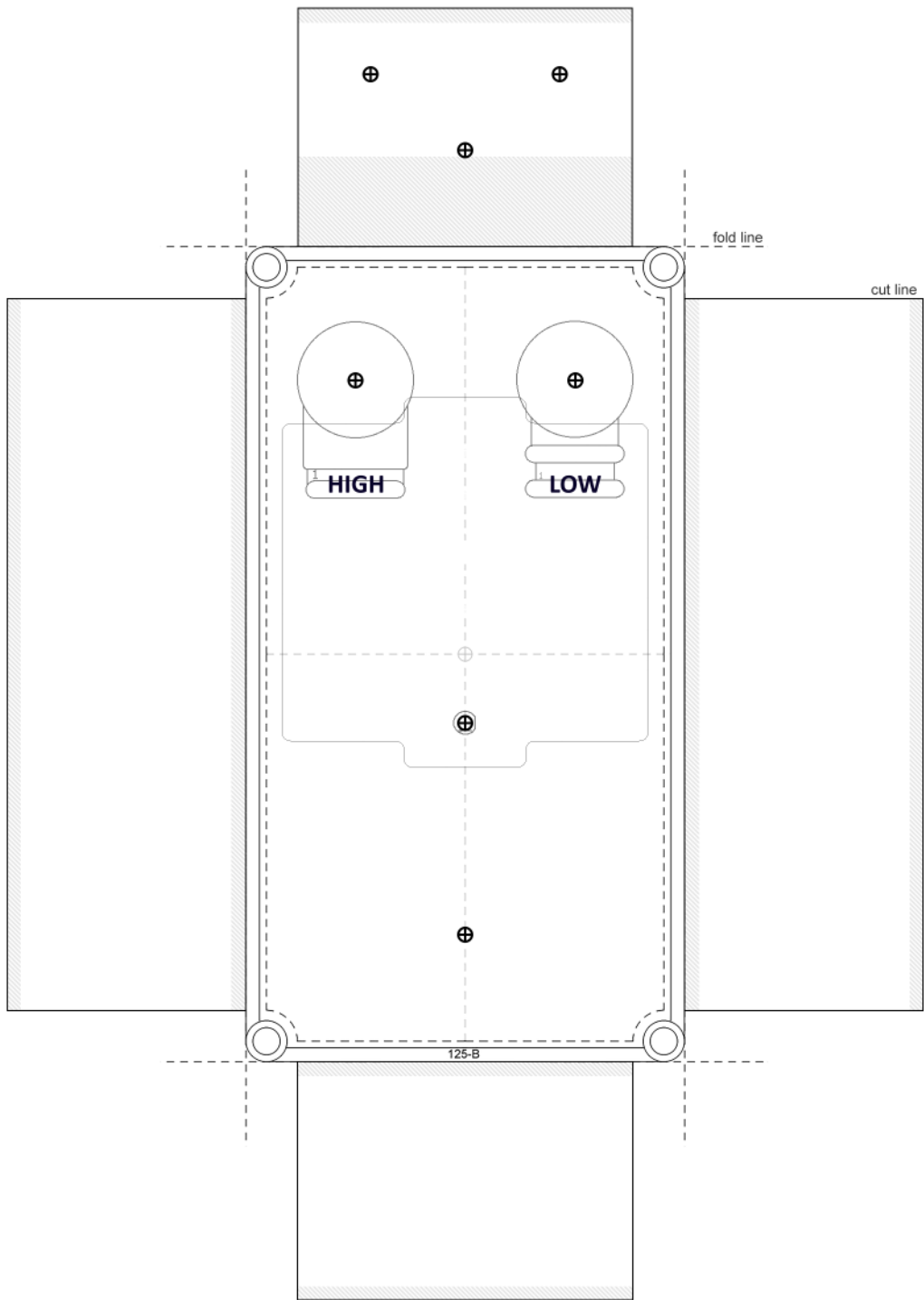
Note: Extra IN/OUT pads are located at the bottom of the PCB for convenient side jack wiring. The square pad connects the audio signal (Tip), and the round pad connects the ground.

When using 1590B enclosures, it is best to mount the ribbon cable on top of the main board/3PDT wiring board instead of underneath. This is because the enclosure's compact size restricts space for the side jack Input and Output plugs.

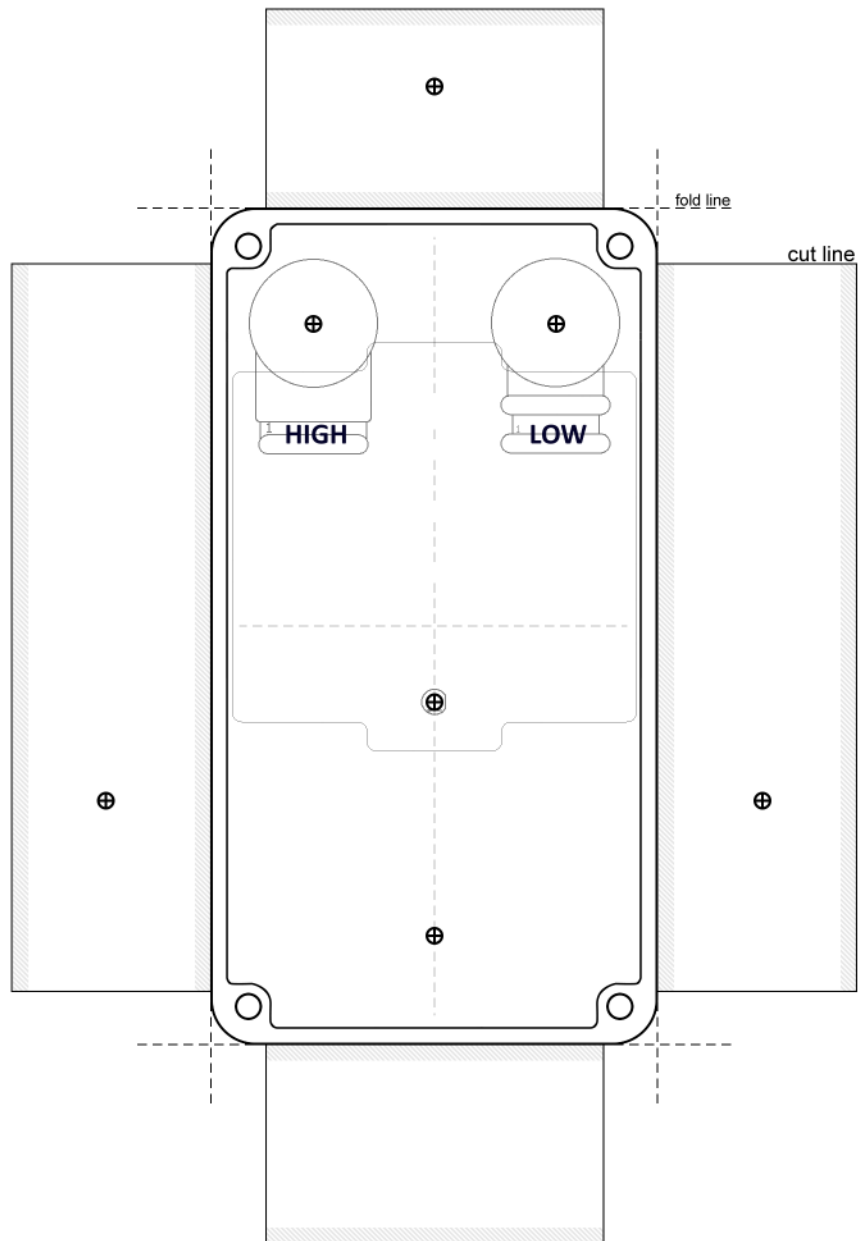


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Drill Templates for 125B and 1590B are on the next two pages.



125B Drill Template



1590B Drill Template