# GuitarPCB Presents

## NostalgiTone PreAmp Boost Single

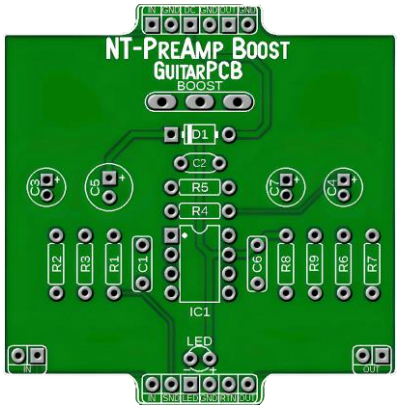
Are you ready to elevate your game? The **NostalgiTone PreAmp Boost** is here to give you the ultimate sonic experience.

**PreAmp Boost**: This versatile Boost circuit provides up to +26dB of clean gain with a single control, making it perfect for enhancing leads, balancing guitar outputs (like humbuckers and single-coils), or adding extra dynamics to your sound. At lower settings, it functions as an effective buffer. When paired with any preamp, the Boost adds additional gain and saturation, offering expanded tonal options and flexibility to fit any setup.

🔌 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.

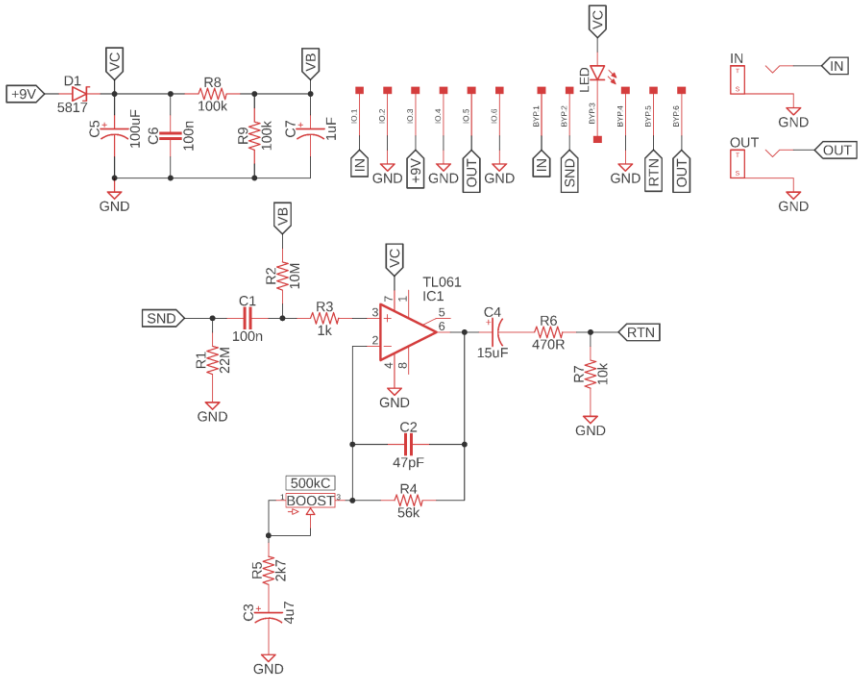
Do not settle for the ordinary when you can have extraordinary. Elevate your tone with the **NostalgiTone** series singles from GuitarPCB. Get yours today and discover a world of sonic possibilities like never before!




**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 |
|---|---|---|---|---|---|
| R1 | 22M | R9 | 100k | C7 | 1uF |
| R2 | 10M | | | | |
| R3 | 1k | C1 | 100n | D1 | 1N5817 |
| R4 | 56k | C2 | 47pF | IC1 | TL071 |
| R5 | 2k7 | C3 | 4u7 | | |
| R6 | 470R | C4 | 10u - 15u | BOOST | C500K |
| R7 | 10k | C5 | 100u | LED | Status |
| R8 | 100k | C6 | 100n | *CLR x 1 | 1k8 - 4k7 |

## Build Notes:

**R1 (22MΩ): This circuit uses a 22MΩ carbon film resistor. If unavailable, substitute two 10MΩ resistors in series (20MΩ) with no noticeable difference in performance. Original KOA Speer CF1/4C226J 22MΩ carbon film resistors are available from Mouser and DigiKey.**

**A 10uF or 15uF Capacitor may be used at C4 with no effect on tone.**

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

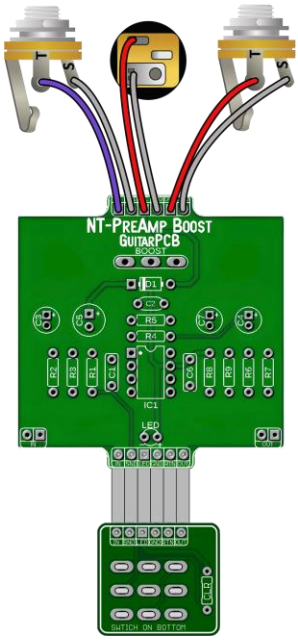
Note the extra IN / Out pads located at the bottom of the PCB which are conveniently placed if you wish to use side jacks.

Use a standard 6-pin ribbon cable to connect the foot switch wiring board with the main board. The 3PDT wiring board contains an onboard (CLR) current limiting resistor. This is to protect and adjust the brightness of their corresponding main board status LEDs. A value of 1k8 to 4k7 may be used.

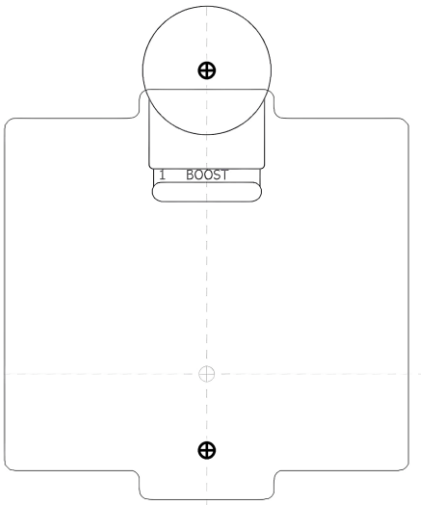
*** CLR x1** - Each wiring board requires an onboard (CLR) current limiting resistor. This is for the main board status LEDs. A 1k8 (Bright) value to 4k7 (Dim) may be used. A main Status LED is to show the active status.

You may use either a TL061 or TL071 whichever you have available.

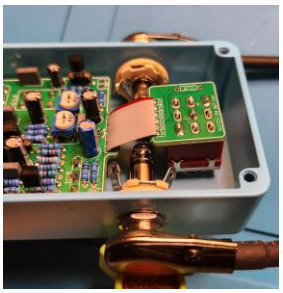
**Wiring Diagram**




**Generic Drill Template**




**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.**



**The full-size drill templates for 125B and 1590B enclosures can be found on the following two pages. Additionally, you can find a link to Tayda's pre-drilled enclosures on the shop page at GuitarPCB.com.**

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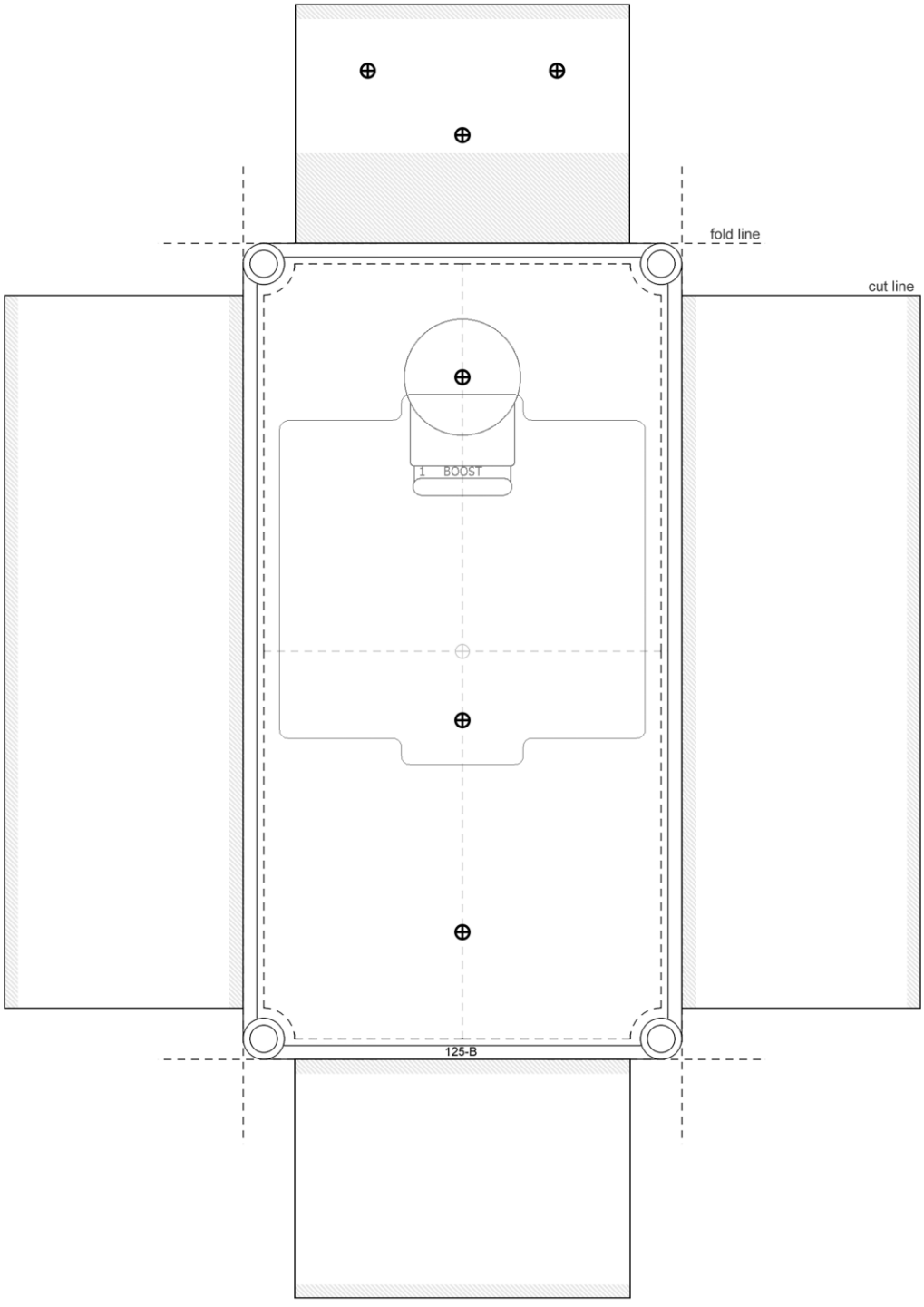
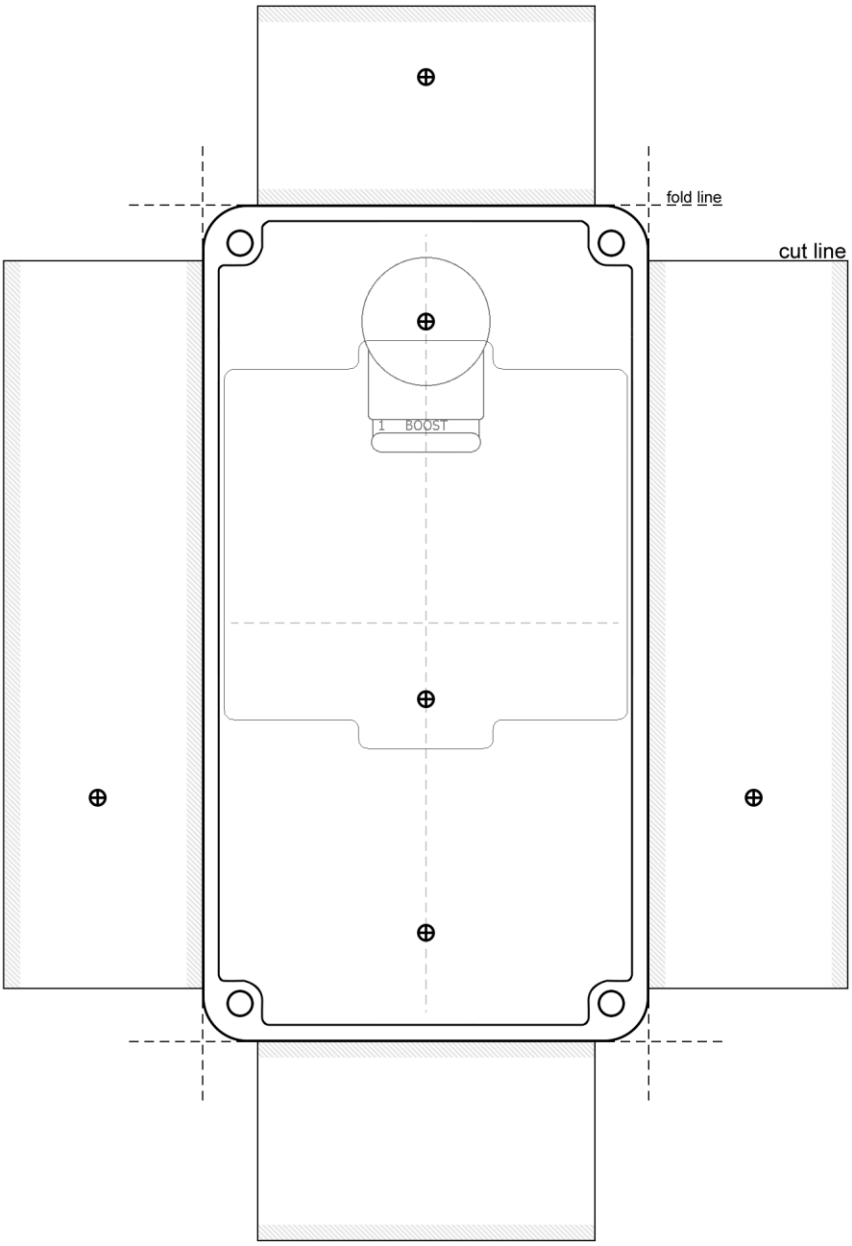



**125B Drill Template**




**1590B Drill Template**