GuitarPCB Present

NostalgiTone “FrontStage” Single

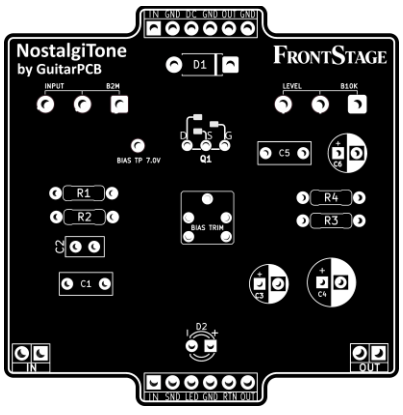
Are you ready to elevate your game? **FrontStage** will give you a buffered clean channel Boost based on Dumble.

> **The JFET preamp clean channel captures the dynamic response of a classic amplifier front end, providing natural harmonic enhancement, improved touch response, and a more expressive feel under the fingers. While the original design utilized a J309 JFET, the readily available J113 has proven to be an excellent choice for this application, offering similar performance characteristics and excellent reliability. The onboard bias adjustment makes setup simple and precise.**
>
> **The Input control is not a gain control. Instead, it adjusts how the preamp stage responds to the guitar signal. Increasing the control allows players to explore changes in compression, fullness, and harmonic response. Full CCW provides a thinner, precise character, and full CW delivers a fuller, rounder tone.**

🔌 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.

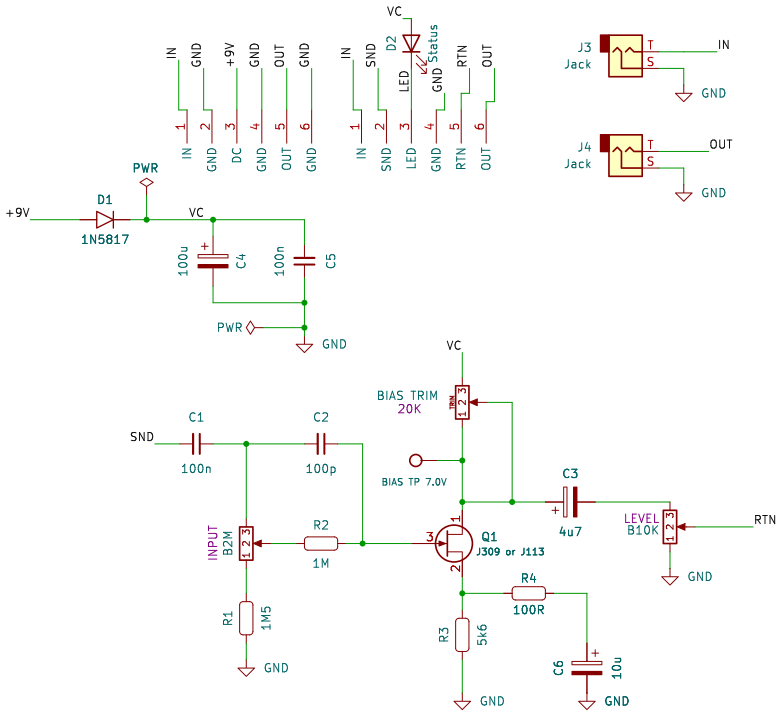
Do not settle for the ordinary when you can have extraordinary. Elevate your tone with the **NostalgiTone** series singles from GuitarPCB. Get yours today and discover a world of sonic possibilities like never before!



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
R1	1M5
R2	1M
R3	5k6
R4	100R
Bias Trim	20K
Q1	J309 or J113

Part	Value
C1	100n
C2	100p
C3	4u7
C4	100u
C5	100n
C6	10u

Part	Value
D1	1N5817
D2	Status
BIAS TP	BIAS TP 7.0V
Input	B2M
Level	B10K
* CLR x 1	1K8 - 4k7

The BOM reflects standard kit component values, including the J113 transistor, which performs very similarly in this application. The PCB also includes SMD pads for those that want to use the original J309 package.

Build Notes:

Biasing Note: BIAS TP is provided as a convenient bias test point. With the circuit powered by 9V, connect your multimeter black probe to ground and the red probe to BIAS Test Point Pad. Adjust the bias trimmer until the reading is approximately 7.0V.

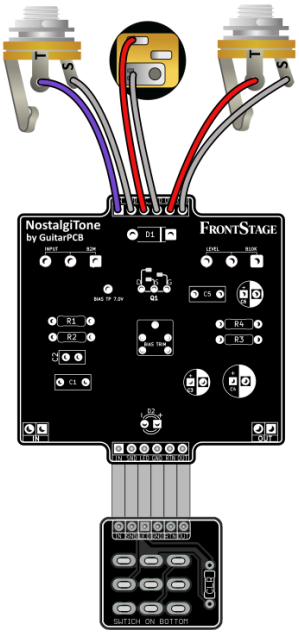
At the heart of FrontStage is a JFET preamp stage inspired by the classic amplifier front end, delivering enhanced dynamics, harmonic richness, and touch-sensitive response. The original design used the J309 JFET; the readily available J113 performs exceptionally well in this application. The 20K bias trimmer simplifies setup, while SMD pads are provided for builders who prefer the original J309 package.

You may substitute R1-1M5 to a 1M2 if you need. You may also substitute R3-5k6 to a 5k1 if you need.

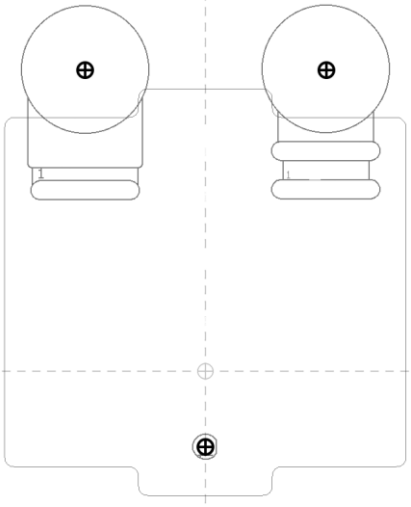
Included with the purchase of the main PCB board will be (1) standard foot switch wiring board (6-pins), and (1) standard 6-pin ribbon cable. This simplifies the wiring process while keeping troubleshooting and noise to a minimum.

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.

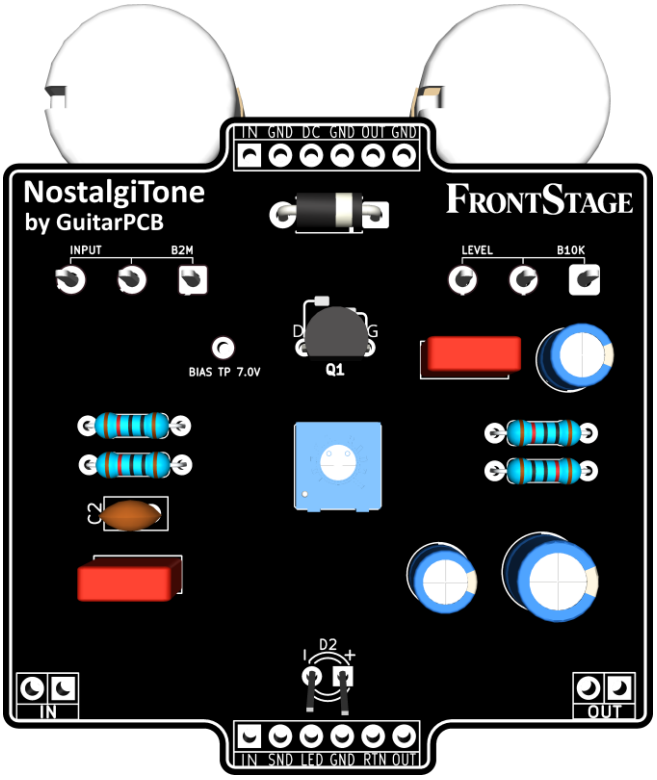
Wiring Diagram



Generic Drill Template

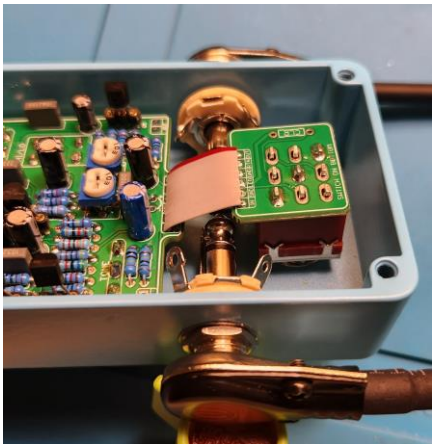


Note: Extra IN/OUT pads are located at the bottom of the PCB for convenient side jack wiring. The square pad connects the audio signal (Tip), and the round pad connects the ground.



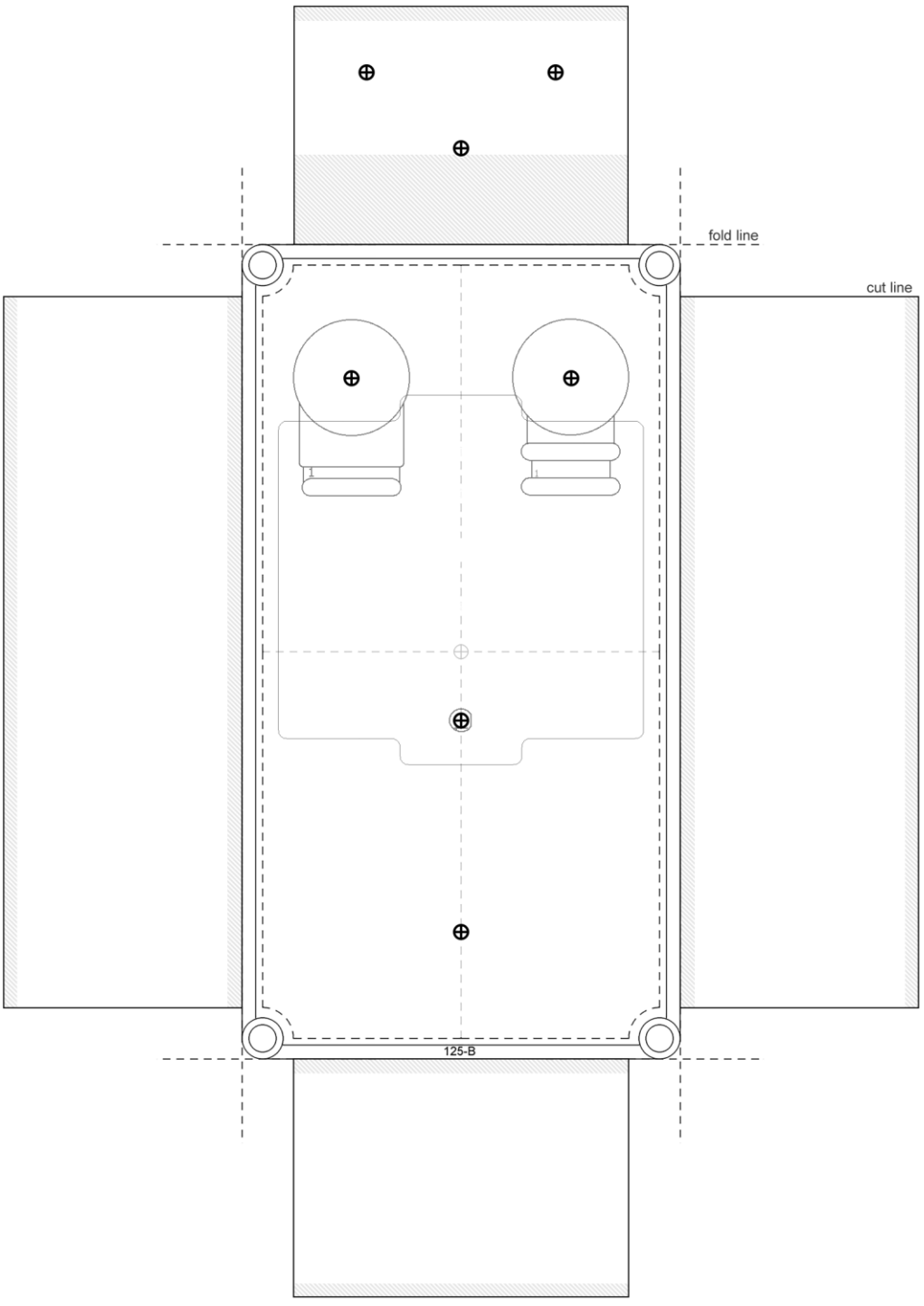
Note: When soldering components to your DPDT On/On switch, take care not to overheat or shift the lugs, as this can cause the Mod to malfunction. For easier and more reliable modding, consider using one of our DPDT wiring boards from the Shop.

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.

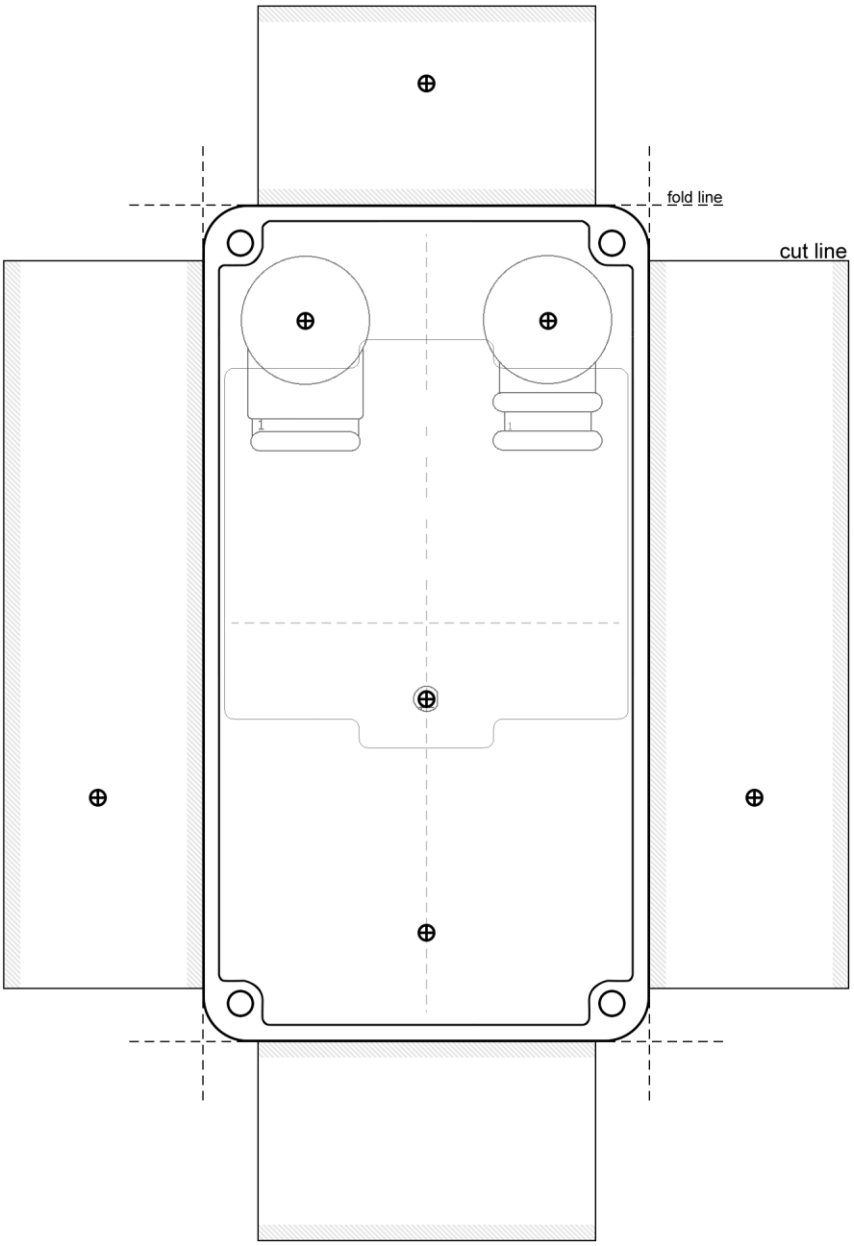


The full-size drill templates for 125B and 1590B enclosures can be found on the following two pages. Additionally, you can find a link to Tayda's pre-drilled enclosures on the shop page at GuitarPCB.com.

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



125B Drill Template



1590B Drill Template