GuitarPCB Presents

NostalgiTone PowerStage

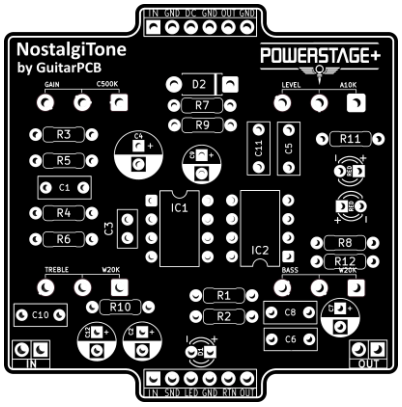
PowerStage: True to its name, the PowerStage is designed to recreate the feel of an amplifier being pushed hard. Its exceptionally wide gain range takes you from a strong, open boost to thick, harmonically saturated overdrive, while allowing the character of your guitar and amplifier to remain intact. The gain responds directly to your playing, staying relatively clean with a lighter touch and becoming progressively more aggressive as you dig in, giving chords and single notes a distinctly amp-like response.

An active, low-noise dual-band EQ gives you independent control over the bass and treble response, making it easy to shape the circuit around your particular guitar and amplifier. The PowerStage can be used to push a clean amplifier, add another gain stage to an already-driven rig, or provide its own complete overdrive voice. The result is a circuit with real punch, dynamic range, and harmonic complexity that responds to the player rather than simply imposing its own character on the signal.

🔌 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.

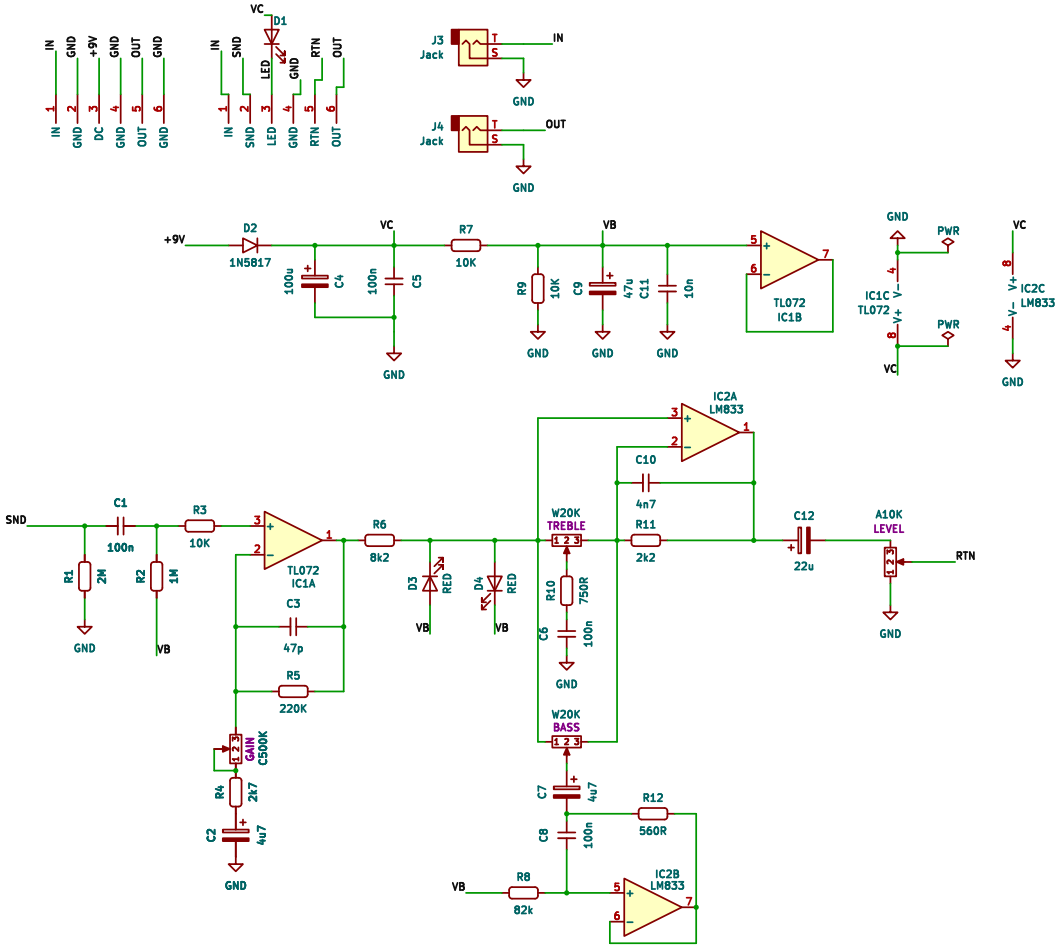
Do not settle for the ordinary when you can have extraordinary. Elevate your tone with the **NostalgiTone** series singles from GuitarPCB. Get yours today and discover a world of sonic possibilities like never before!



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	2M
R2	1M
R3	10K
R4	10K
R5	220K
R6	8k2
R7	10K
R8	82k
R9	10K
R10	750R

PART	VALUE
R11	2k2
R12	560R
C1	100n
C2	4u7
C3	47p
C4	100u
C5	100n
C6	100n
C7	4u7

PART	VALUE
C8	100n
C9	47u
C10	4n7
C11	10n
C12	22u
D1	Status
D2	1N5817
D3	RED
D4	RED

PART	VALUE
IC1	TL072
IC2	LM833
LEVEL	A10K
GAIN	C500K
BASS	W20K
TREBLE	W20K
* CLR x1	1k8 - 4k7

Build Notes:

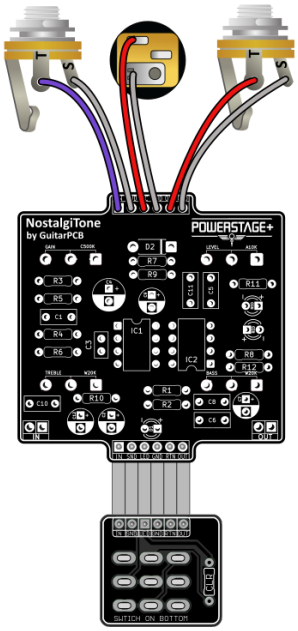
Included with the purchase of the main PCB board will be (1) standard foot switch wiring board (6 pins), and (1) 6 pin ribbon cable.

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

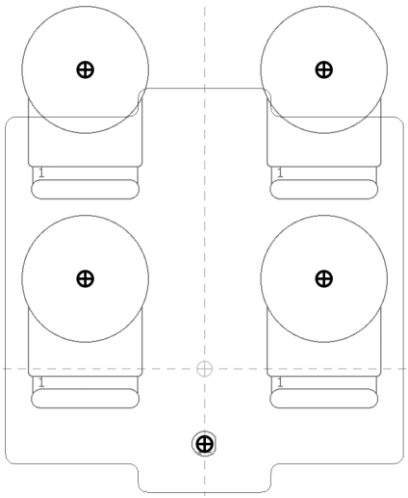
Use a standard 6-pin ribbon cable to connect the foot switch wiring board with the main board. The 3PDT wiring board contains an onboard (CLR) current limiting resistor. This is to adjust the brightness of the corresponding main board status LEDs. A value of 1k8 to 4k7 may be used.

*** CLR x1** - Each wiring board requires an onboard (CLR) current limiting resistor. This is for the main board status LED.

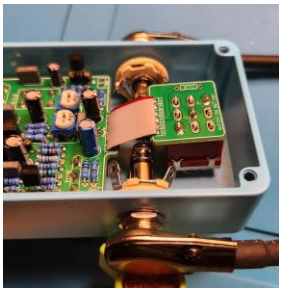
Wiring Diagram



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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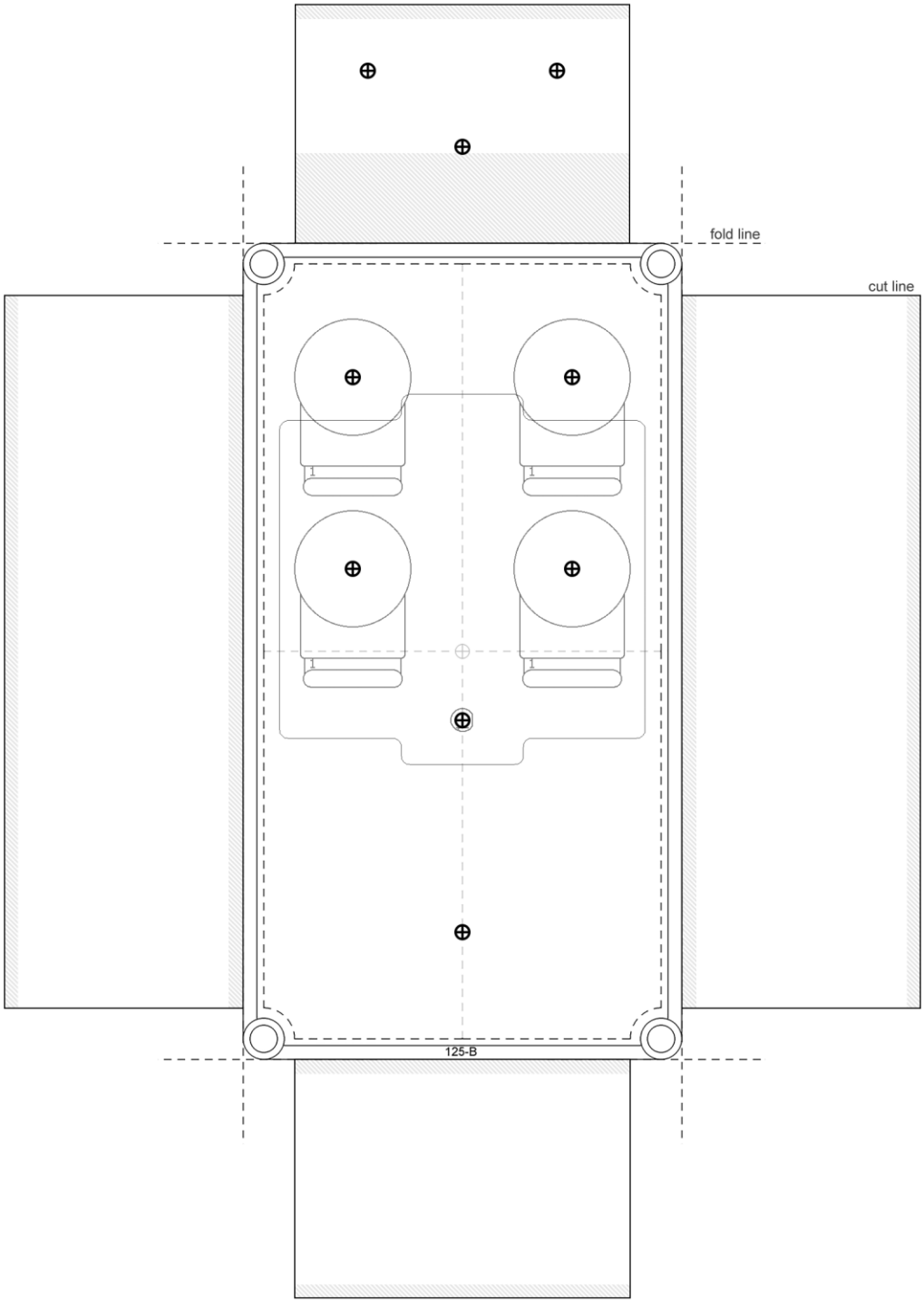
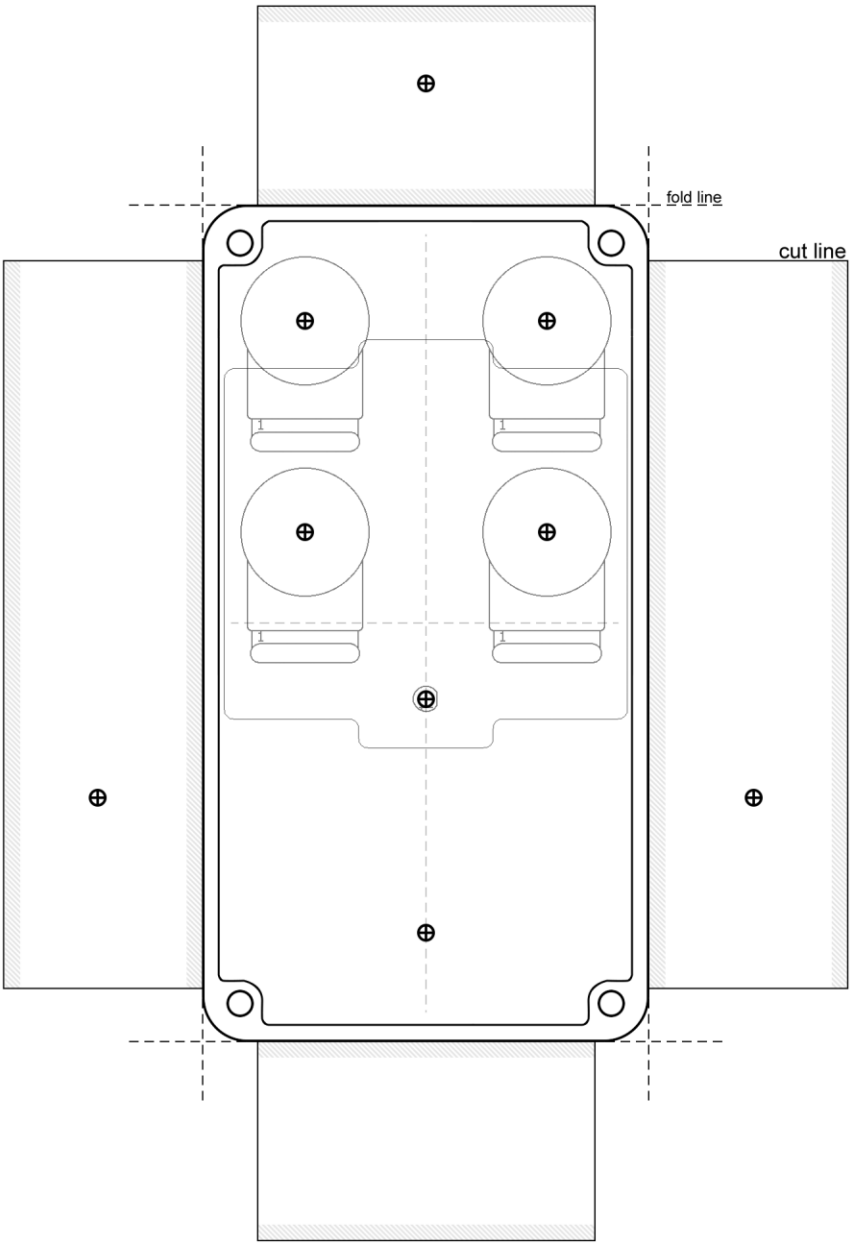


125B Drill Template



1590B Drill Template