
GuitarPCB Presents

NostalgiTone PowerStage

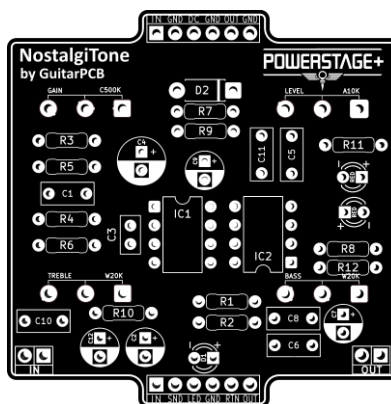
PowerStage: True to its name, the PowerStage is designed to recreate the feel of an amplifier being pushed hard. Its exceptionally wide gain range takes you from a strong, open boost to thick, harmonically saturated overdrive, while allowing the character of your guitar and amplifier to remain intact. 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.

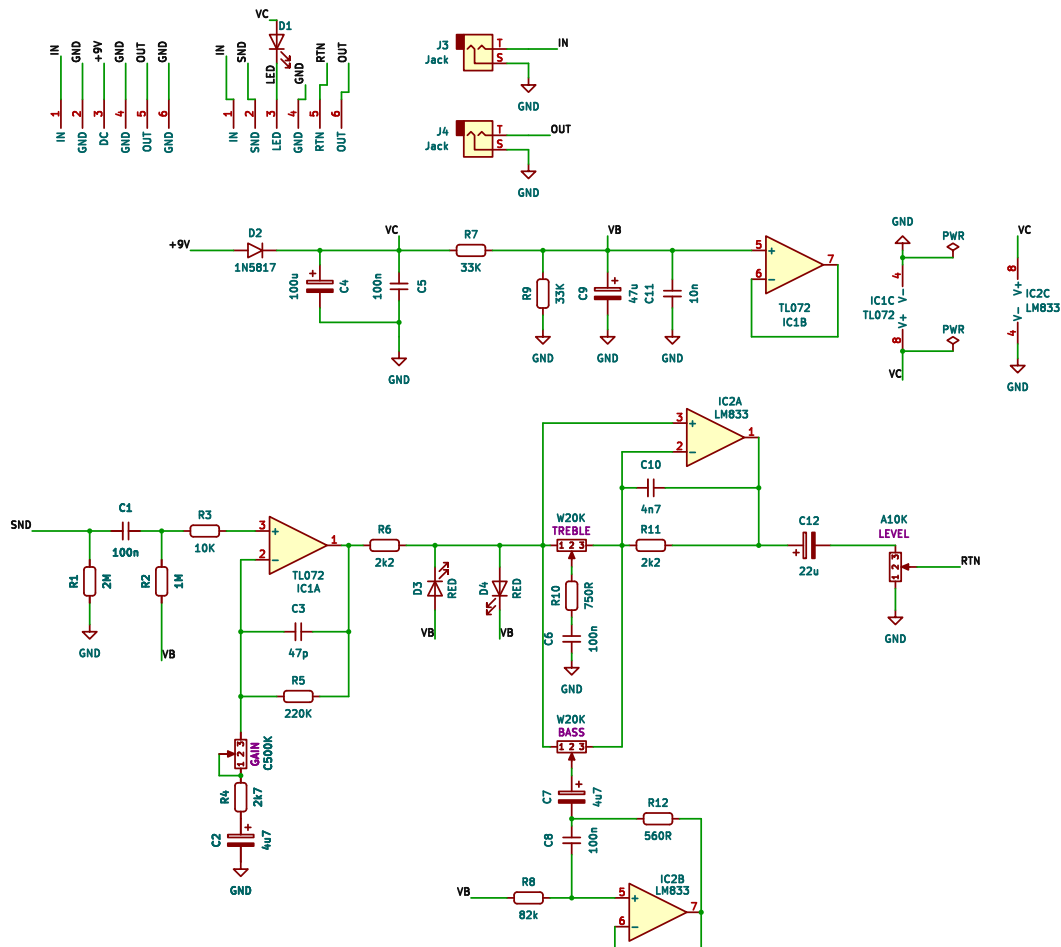
Do not settle for the ordinary when you can have extraordinary. Elevate your tone with the **NostalgiTone** series singles from GuitarPCB. Get yours today and discover a world of sonic possibilities like never before!



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	PART	VALUE	PART	VALUE	PART	VALUE
R1	2M	R11	2k2	C8	100n	IC1	TL072
R2	1M	R12	560R	C9	47u	IC2	LM833
R3	10K			C10	4n7		
R4	10K	C1	100n	C11	10n	LEVEL	A10K
R5	220K	C2	4u7	C12	22u	GAIN	C500K
R6	2k2	C3	47p			BASS	W20K
R7	33K	C4	100u	D1	Status	TREBLE	W20K
R8	82k	C5	100n	D2	1N5817		
R9	33K	C6	100n	D3	RED	* CLR x1	1k8 - 4k7
R10	750R	C7	4u7	D4	RED		

Build Notes:

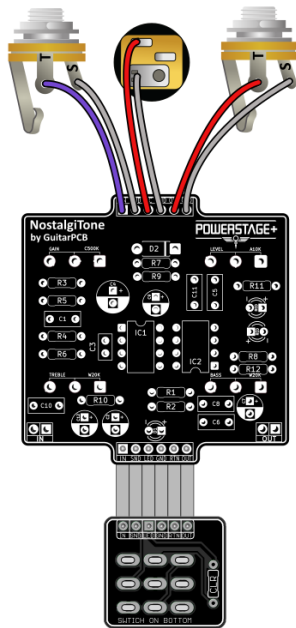
Included with the purchase of the main PCB board will be (1) standard foot switch wiring board (6 pins), and (1) 6 pin ribbon cable.

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

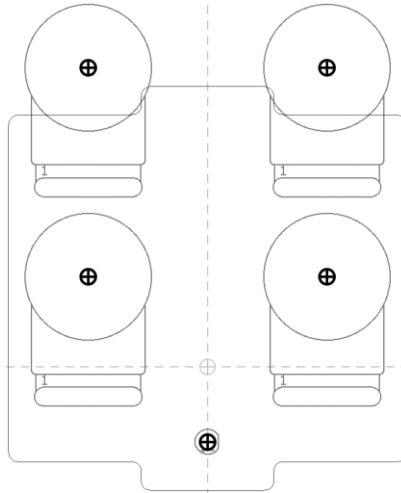
Use a standard 6-pin ribbon cable to connect the foot switch wiring board with the main board. The 3PDT wiring board contains an onboard (CLR) current limiting resistor. This is to adjust the brightness of the corresponding main board status LEDs. A value of 1k8 to 4k7 may be used.

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

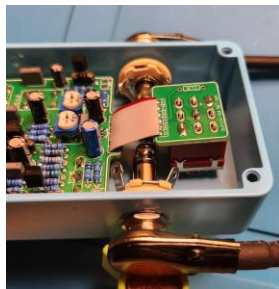
Wiring Diagram



Generic Drill Template



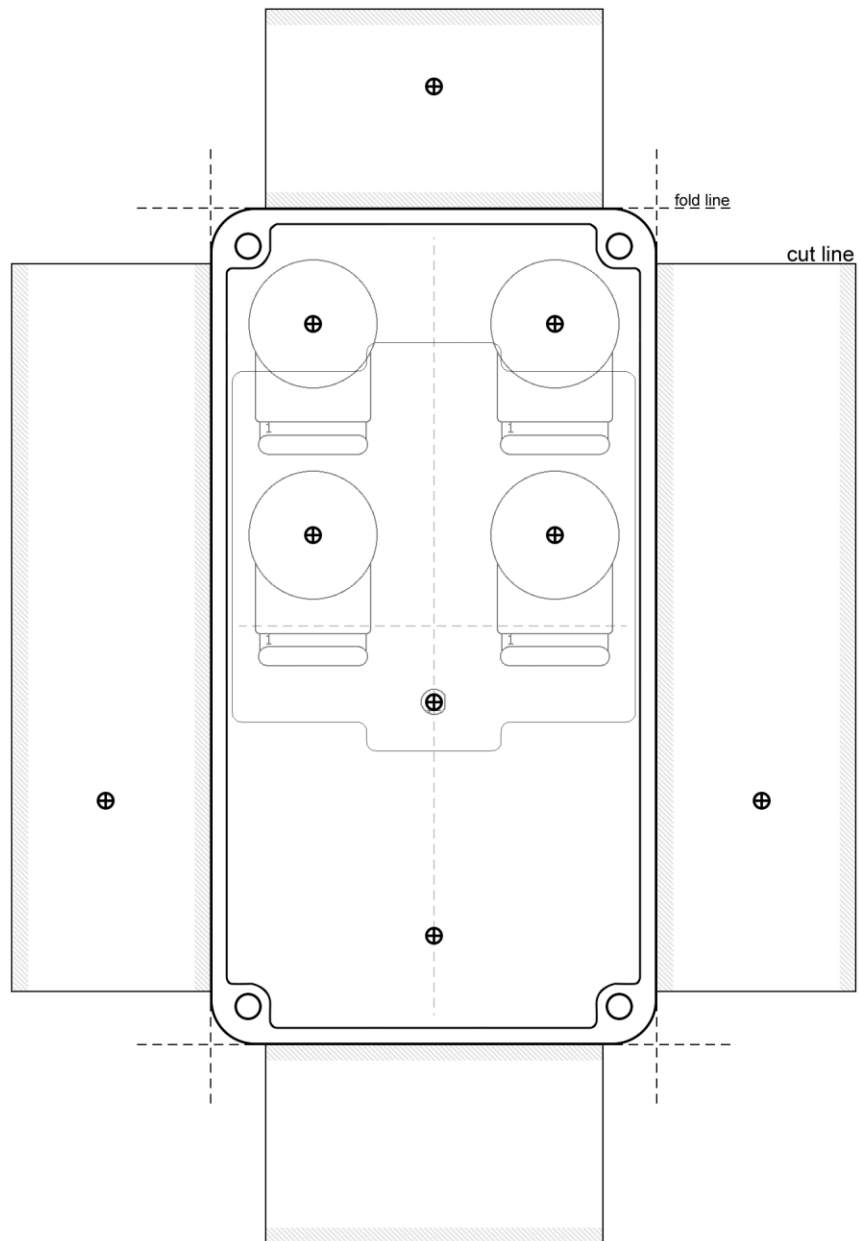
When using 1590B enclosures, it is best to mount the ribbon cable on top of the main board/3PDT wiring board instead of underneath. This is because the enclosure's compact size restricts space for the side jack Input and Output plugs.



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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1590B Drill Template