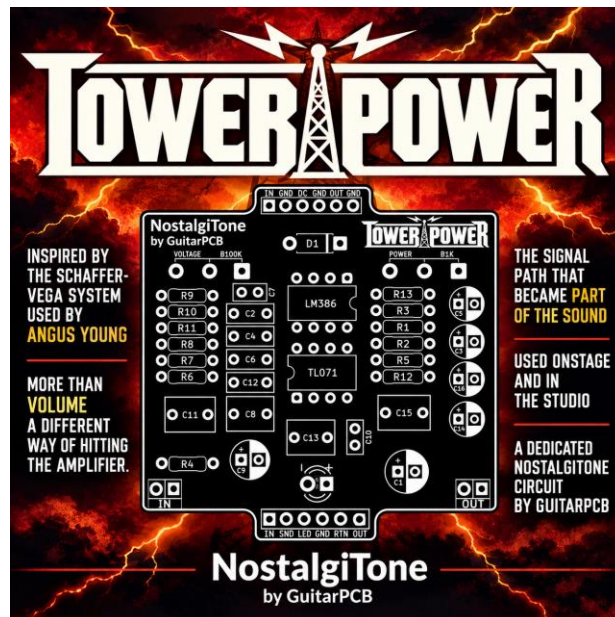

GuitarPCB Present

NostalgiTone Tower Power Single

NostalgiTone Tower Power takes inspiration from the signal-boosting capabilities of the Schaffer-Vega Diversity System, used by artists including Angus Young of AC/DC, Van Halen, KISS, and David Gilmour of Pink Floyd. Originally designed as a wireless system, its audio circuitry became valued for its ability to push amplifiers harder and add distinctive character to the guitar signal. Angus Young famously used the system in the studio as well as onstage, making it an enduring part of his signature sound.

That's the spirit behind NostalgiTone: revisiting the circuits and sounds that helped define memorable eras of guitar music, and giving today's builders a chance to explore what made them special. Tower Power brings this piece of guitar history into your own rig, with independent **VOLTAGE** and **POWER** controls that let you shape your tone to suit your needs.



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.

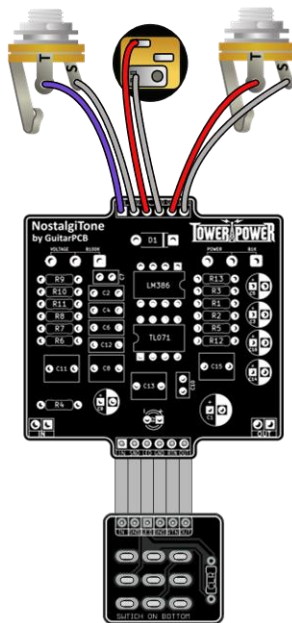
PART		VALUE	PART		VALUE	PART		VALUE	PART		VALUE
R1	10K		R11	2K		C7	120p		D1	1N5817	
R2	10K		R12	10R		C8	1u		D2	Status LED	
R3	10R		R13	680R		C9	10u				
R4	2K					C10	120p		IC1	TL071	
R5	1M		C1	100u		C11	1u		IC2	LM386	
R6	2K		C2	100n		C12	1n				
R7	1M		C3	47u		C13	100n		POWER	A1K	
R8	10K		C4	100n		C14	10u		VOLTAGE	B100K	
R9	2K		C5	10u		C15	100n				
R10	8k2		C6	100n		C16	10u		*CLR x1	1k8 - 4k7	

Build Notes:

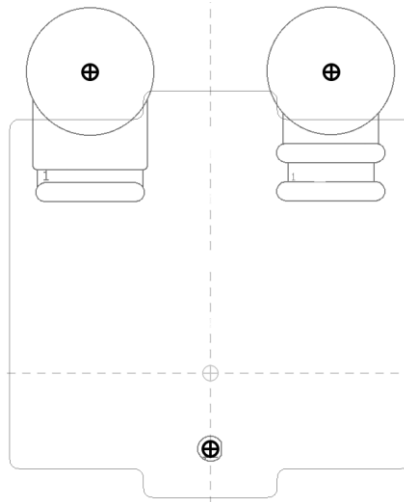
- ## Getting Started with Tower Power

Tower Power's LM386 output stage provides plenty of output, so approach the controls differently than you would on a conventional overdrive. Start with both VOLTAGE and POWER set to 9 o'clock. With your amplifier at a comfortable volume, engage Tower Power and make small, gradual adjustments to both controls. Use VOLTAGE to dial in the desired drive and harmonic character, then adjust POWER to set the output level.

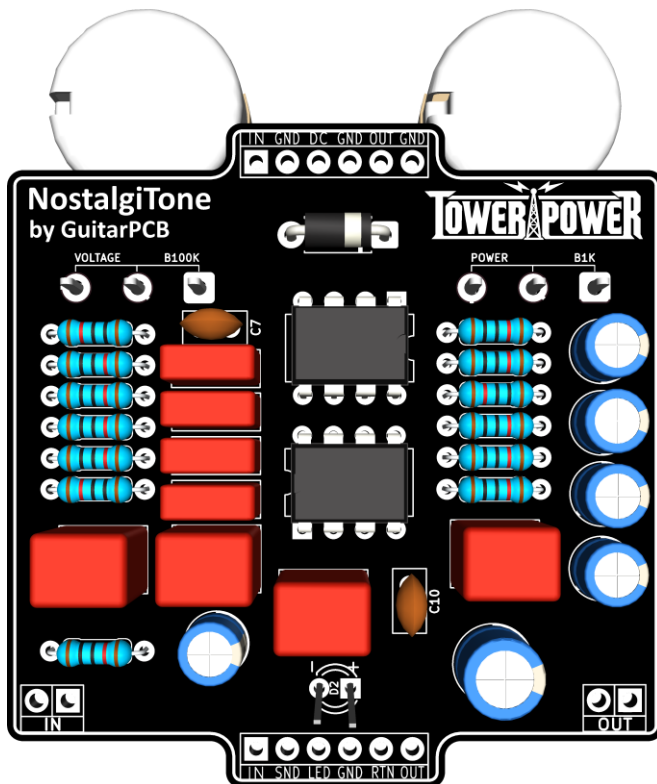
Wiring Diagram



Generic Drill Template

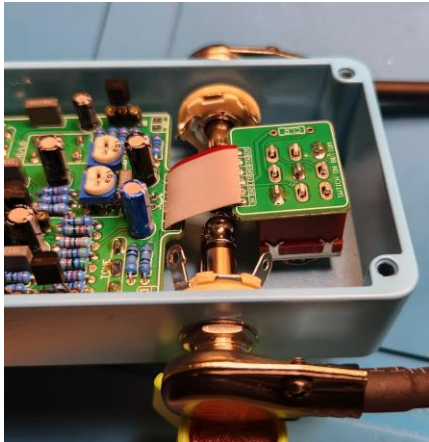


Note: Extra IN/OUT pads are located at the bottom of the PCB for convenient side jack wiring. The square pad connects the audio signal (Tip), and the round pad connects the ground.



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.

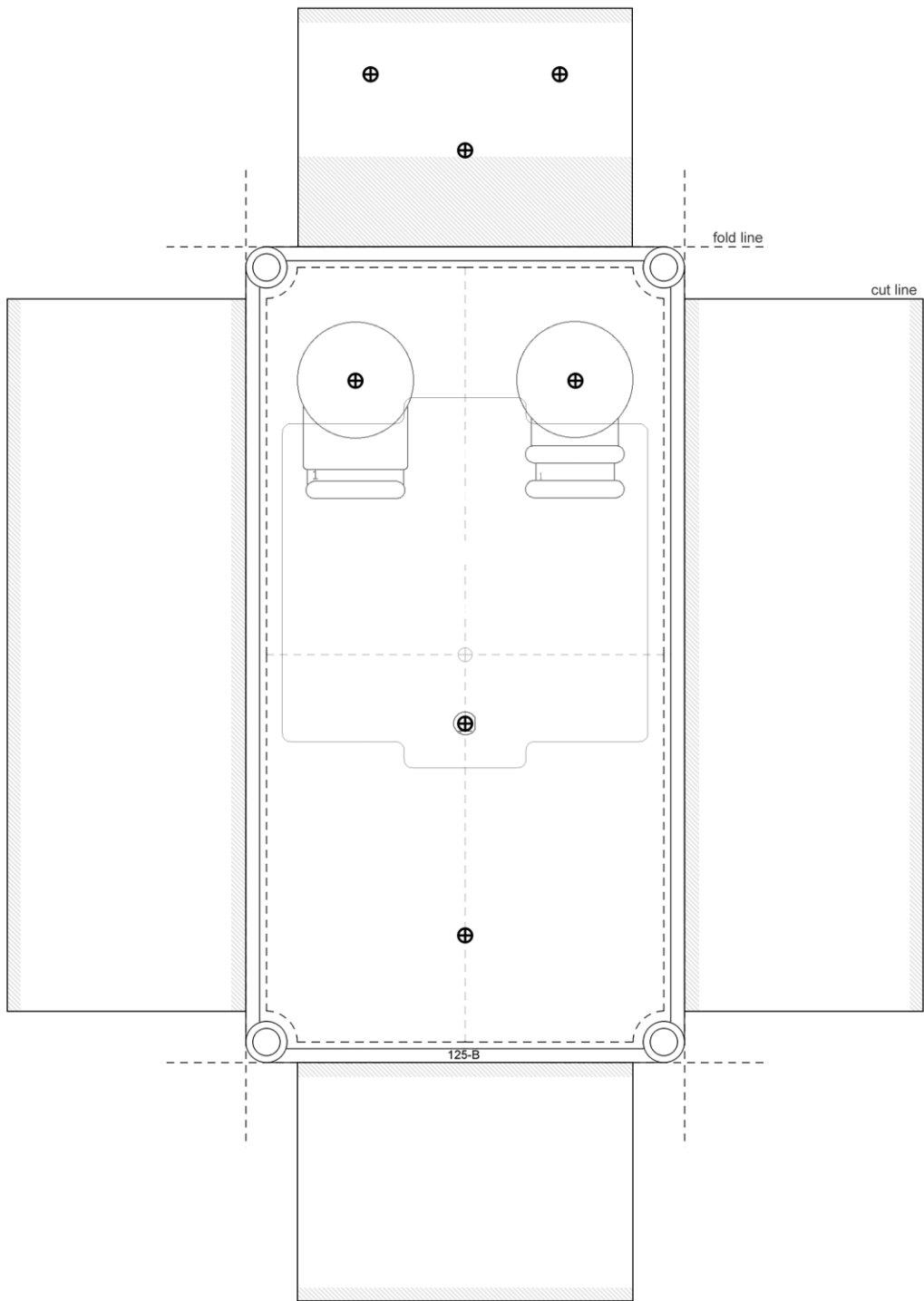


The full-size drill templates for 125B and 1590B enclosures can be found on the following two pages. Additionally, you can find a link to Tayda's pre-drilled enclosures on the shop page at GuitarPCB.com.

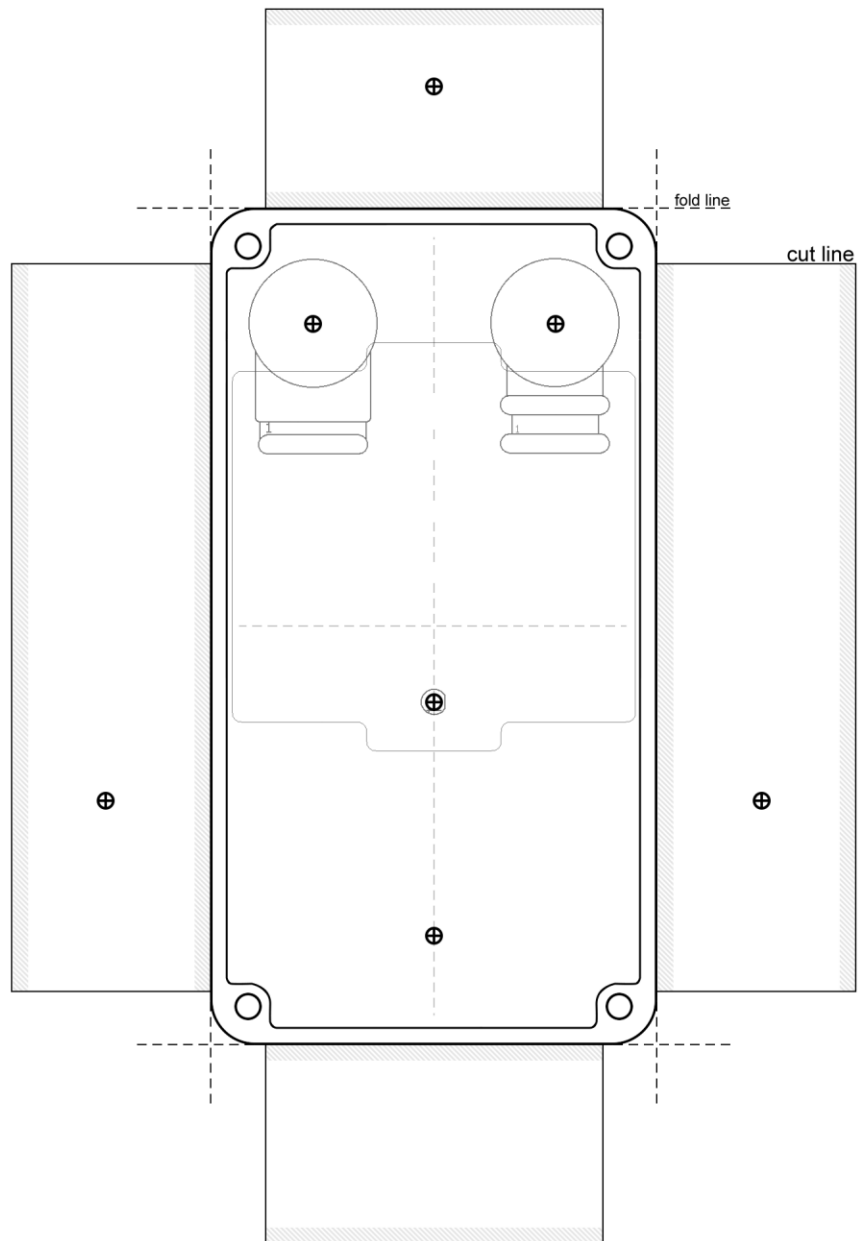


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Drill Templates for 1590B and 125B are on the next two pages.



125B Drill Template



1590B Drill Template