# **GuitarPCB Present**

# NostalgiTone 70s Boost Single

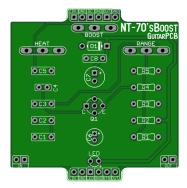
Are you ready to elevate your game? The NostalgiTone 70's Boost is here to give you the ultimate sonic experience.

**70's Boost**: The Rangemaster was a cornerstone of many '70s rock sounds including guitar legends like Tony lommi, Marc Bolan, and Brian May, as well as the pioneers of N.W.O.B.H.M. like Judas Priest and Iron Maiden. Our Boost circuit goes beyond, merging the standard output Volume control with our Range control, from classic treble-boost tone to full range or any sweet spot in between. Plus, the Heat control gives you mastery over gain level saturation, flexibility the original lacked with its fixed maximum gain. It is now your turn to redefine classic rock tones.

**\\$** 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.

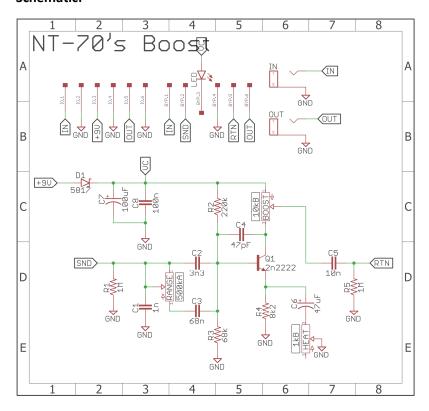
Do not settle for the ordinary when you can have extraordinary. Elevate your tone with the **NostalgiTone** series singles from GuitarPCB. Get yours today and discover a world of sonic possibilities like never before!



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	1M	C2	3n3	LED	Status
R2	220k	С3	68n		
R3	68k	C4	47pF	Q1	2n2222
R4	8k2	C5	10n		
R5	1M	C6	47uF	RANGE	A500K
D1	1N5817	С7	100uF	BOOST	B10K
C1	1n	C8	100n	HEAT	B1K

### **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. This simplifies the wiring process while keeping troubleshooting and noise to a minimum.

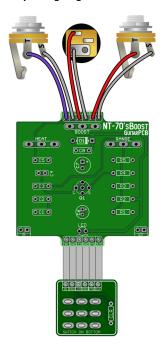
Note the extra IN / Out pads located at the bottom of the PCB which are conveniently placed if you wish to use side jacks.

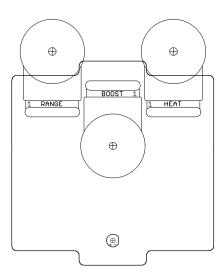
Use a standard 6-pin ribbon cable to connect the foot switch wiring board with the main board. The 3PDT wiring board contains an onboard (CLR) current limiting resistor. This is to protect and adjust the brightness of their corresponding main board status LEDs. A value of 1k8 to 4k7 may be used.

LED mounting: A main Status LED is to show the active status. Use a 1k8 to 4k7 CLR mounted on the wiring board. 1k8 is Bright, 4k7 is dimmer.

### **Easy Wiring Diagram**

### **Drill Template - Generic**





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.



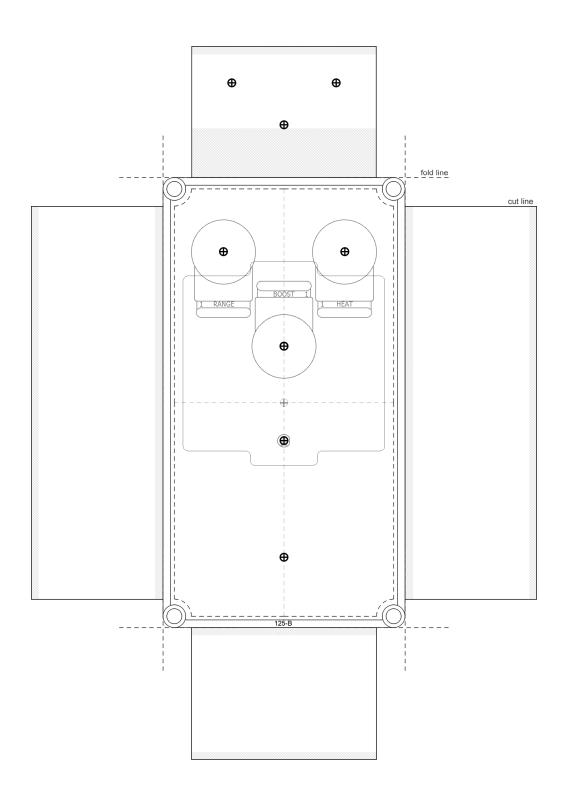
The full-size drill templates for 125B and 1590B enclosures can be found on the following two pages. Additionally, you can find a link to Tayda's pre-drilled enclosures on the shop page at GuitarPCB.com.



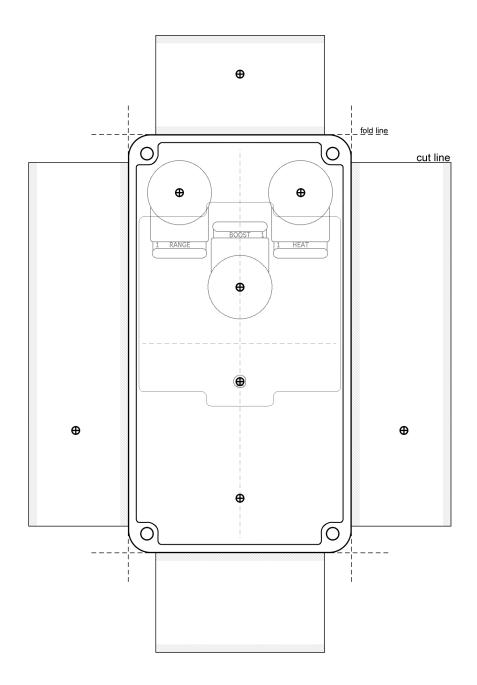
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125B Drill Template



1590B Drill Template