
GuitarPCB Presents

NostalgiTone Rock Candy Single

Rock Candy is built around a multi-stage gain structure designed to deliver the open, dynamic character of classic '70s hard rock and blues. A transistor input stage feeds a high-gain op-amp section, with symmetrical diode clipping adding natural compression and harmonic character as the gain is increased.

Rock Candy moves from clean, gritty overdrive into a fuller, more sustained drive as the Gain control is advanced. Its open, full-range response retains the character of the guitar while adding crunch and sustain, rather than narrowing the sound into a pronounced midrange focus. The Tone control works within the gain circuit, providing a range from warm, muscular crunch to brighter, more cutting lead tones.

The result is a straightforward, amp-like overdrive with plenty of output to push a clean amplifier into its own sweet spot. Whether you're after crunchy rhythm tones, bluesy overdrive, or singing lead sustain, Rock Candy delivers the responsive, harmonically rich character associated with classic '70s hard rock and blues.



Mainboard Dimensions – 2.10" x 2.12"

Included with each PCB purchase. – (1) Mainboard, (1) wiring board, and (1) ribbon cable.

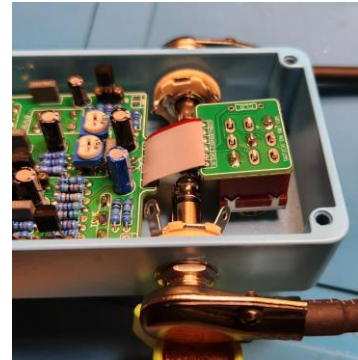
PART		VALUE	PART		VALUE	PART		VALUE	PART		VALUE
R1		1M	R12		4K7	C5		100n	D1		1N5817
R2		33K	R13		4K7	C6		47u	D2		Status LED
R3		33K	R14		4K7	C7		18n	D3		1N4148
R4		1K	R15		470R	C8		100n	D4		1N4148
R5		1M8	R16		10K	C9		120p			
R6		100K	R17		100R	C10		47n	IC1		TL072
R7		2M2				C11		27n	DISTORTION		B1M
R8		22K	C1		47n	C12		22n	TONE		B20K
R9		100K	C2		47u	C13		4u7	OUTPUT		A10K
R10		2k2	C3		10n						
R11		33K	C4		100u	Q1		MPSA13	* CLR x1		1k8 - 4k7

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.

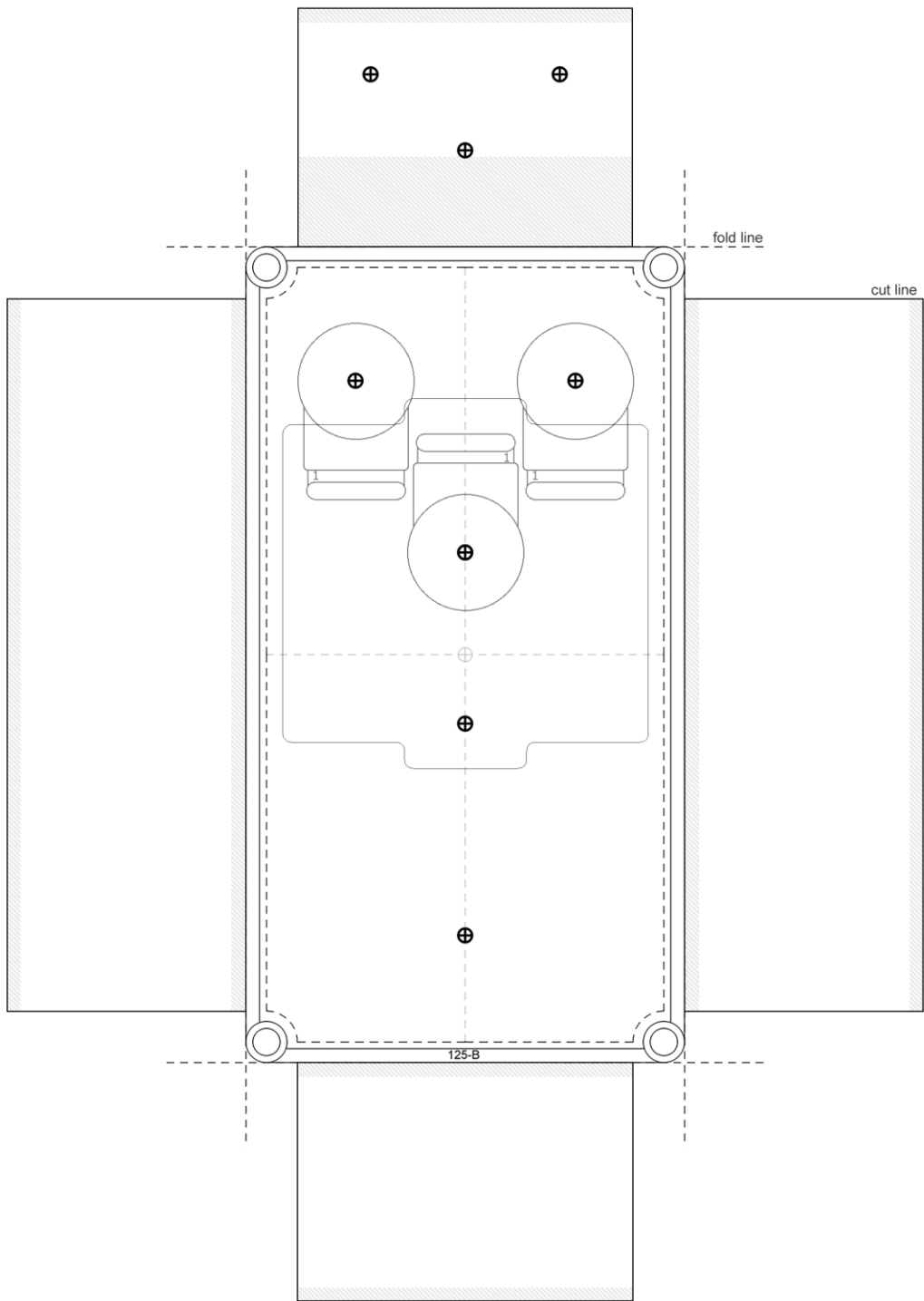
Note the extra IN / Out pads located at the bottom of the PCB which are conveniently placed if you wish to use side jacks.

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.

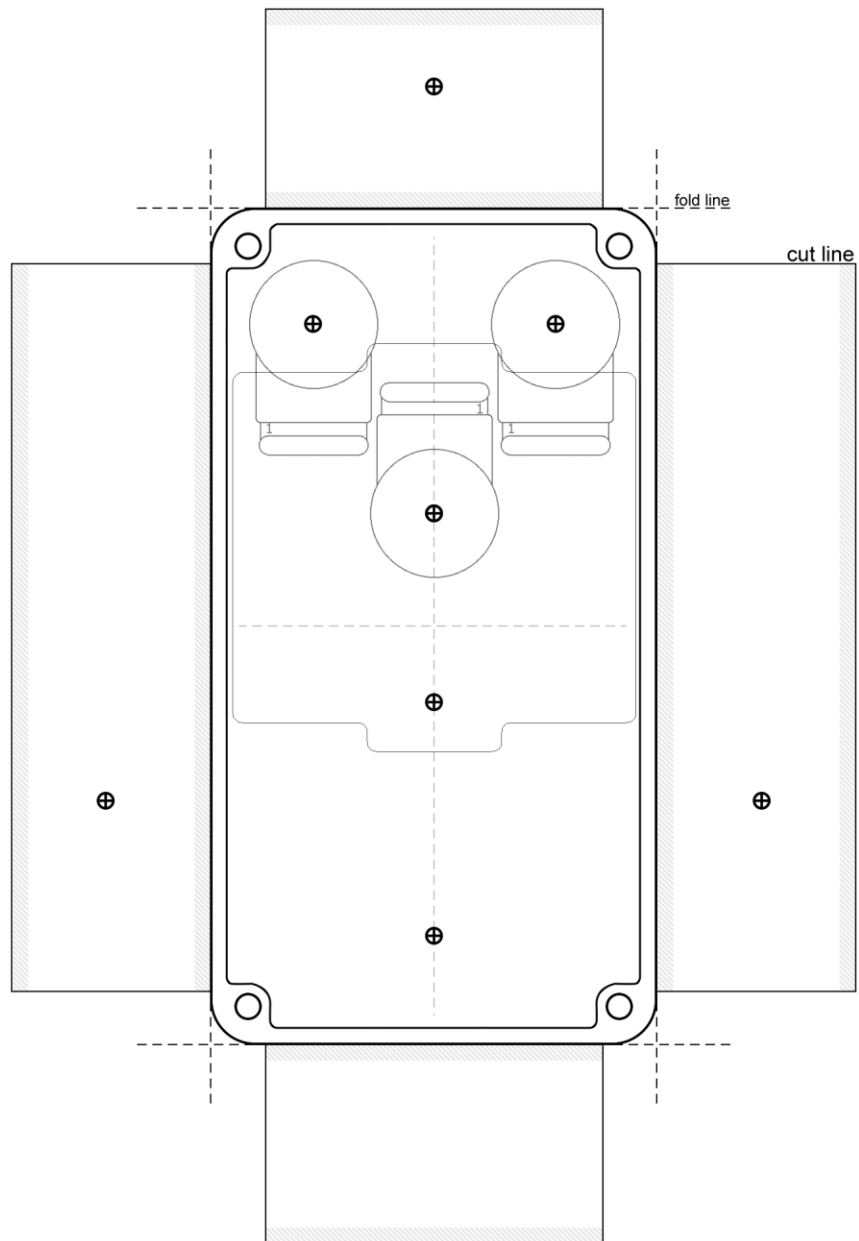
*** CLR x1** - Each wiring board requires an onboard (CLR) current limiting resistor. This is for the main board status LEDs. A 1k8 (Bright) value to 4k7 (Dim) may be used. A main Status LED is to show the active status.



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.



125B Drill Template



1590B Drill Template