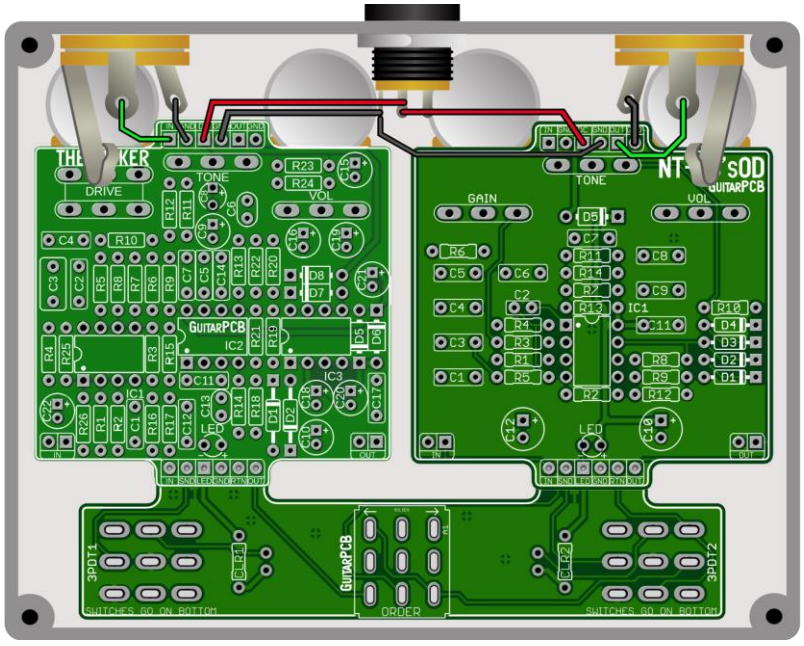
GuitarPCB Presents

John Mayer Tribute Combo - Blues Kicker

Experience the iconic dual pedal combination famously used by John Mayer and other tone legends. Two iconic circuits together in a single compact 1590BB2 design — with the added power of Order Switching.

- **The Kicker section recreates the articulate boost and midrange clarity of the legendary Klon-style circuit. Perfect for tightening low end or pushing your amp with warmth and definition.**
- **The Blues Breaker section (60s OD) offers smooth, amp-like breakup and natural compression—ideal for touch-sensitive playing and dynamic lead work.**
- **When stacked, these two circuits interact beautifully, offering everything from subtle grit to saturated overdrive with clarity and depth — a tone pairing used by John Mayer to shape his signature sound.**
- **Features onboard Order Switching, giving you the ability to instantly reverse the signal path. Discover dramatically different voicings at the flip of a switch. *(Use a short shaft / stubby style toggle.*)**

For a deeper understanding of why this iconic pairing works so well — and how order switching takes it to the next level, visit: https://pedalplayers.com/klon-before-or-after-bluesbreaker/

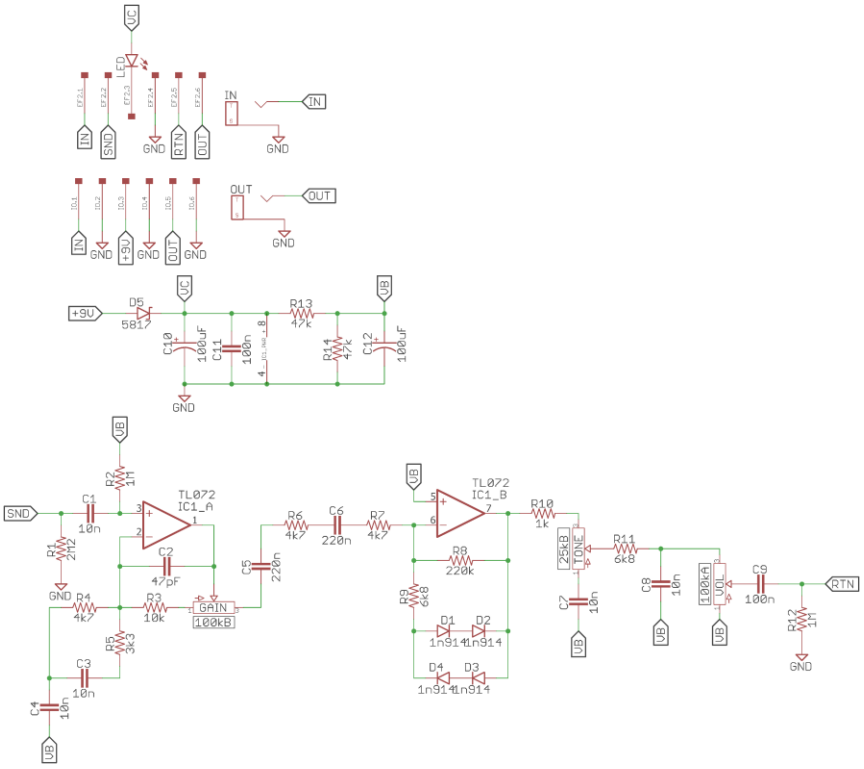


Order switching is built-in, with pin header connections making wiring a breeze.

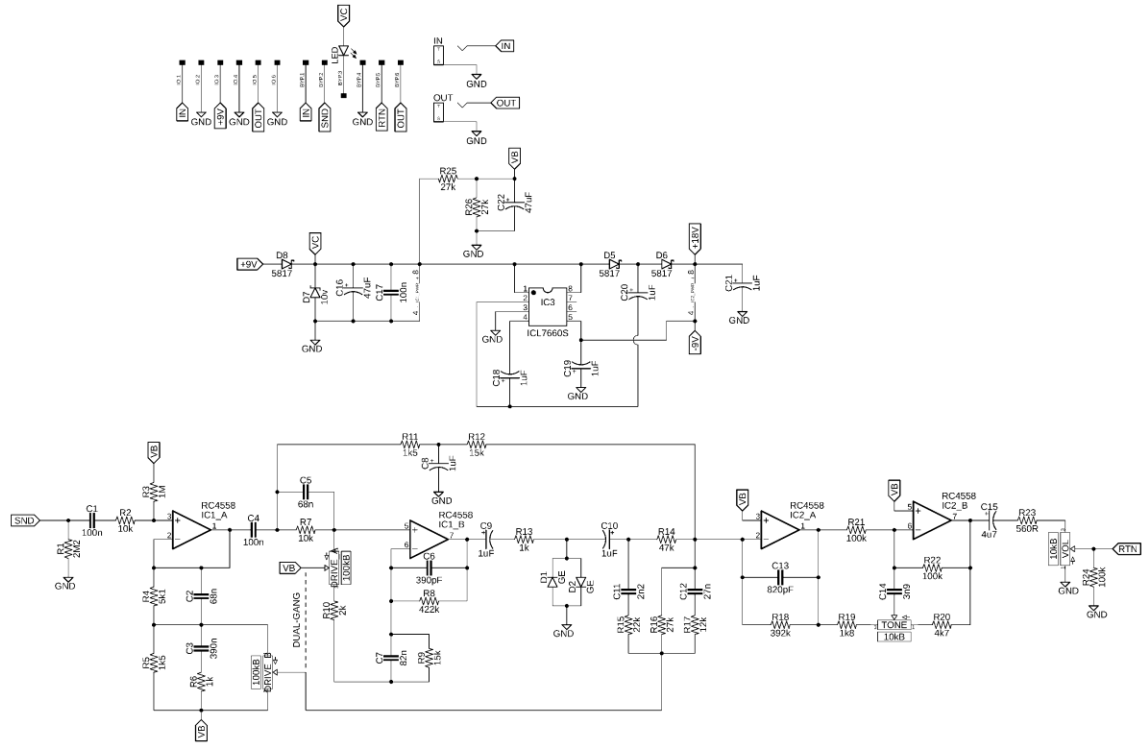
Ideal for a 1590BB2 enclosure, featuring the same dimensions as a 1590BB but with 125B clearance for jacks.

Included with each Dual Combo purchase. – (2) Mainboards, (2) pin headers, (1) Dual wiring board.

Schematic Bluesbreaker:



Schematic The Kicker



Bill of Materials OD Bluesbreaker:

Part	Value	Part	Value	Part	Value
R1	2M2	R14	47k	D1 - D4	1N4148
R2	1M	C1	10n	D5	1N5817
R3	10k	C2	47pF	IC1	TL072
R4	4k7	C3	10n		
R5	3k3	C4	10n	LED	Status LED
R6	4k7	C5	220n		
R7	4k7	C6	220n	VOL	A100K
R8	220k	C7	10n	TONE	B25K
R9	6k8	C8	10n	GAIN	B100K
R10	1k	C9	100n		
R11	6k8	C10	100uF	6-pin	pin header
R12	1M	C11	100n		
R13	47k	C12	100uF	CLR	1k8-4k7

Bill of Materials The Kicker:

Part	Value	Part	Value	Part	Value	Part	Value	Part	Value
R1	2M2	R13	1k	R25	27k	C11	2n2	D1 - D2	Germanium
R2	10k	R14	47k	R26	27k	C12	27n	D3 - D4	NONE
R3	1M	R15	22k	C1	100n	C13	820pF	D5 - D6	1N5817
R4	5k1	R16	27k	C2	68n	C14	3n9	D7	10v - 11v Zener
R5	1k5	R17	12k	C3	390n	C15	4u7	D8	1N5817
R6	1k	R18	392k	C4	100n	C16	47uF	LED	Status
R7	10k	R19	1k8	C5	68n	C17	100n	* CLR	1k8 - 4k7
R8	422k	R20	4k7	C6	390pF	C18	1uF	IC1 - IC2	RC4558
R9	15k	R21	100k	C7	82n	C19	1uF	IC3	ICL7660S
R10	2k	R22	100k	C8	1uF	C20	1uF	VOL	B10K
R11	1k5	R23	560R	C9	1uF	C21	1uF	TONE	B10K
R12	15k	R24	100k	C10	1uF	C22	47uF	DRIVE	B100K Dual

* You'll need a 3PDT toggle switch On/On (solder lug version) with a short shaft for order switching on the dual wiring board PCB.

Build Notes:

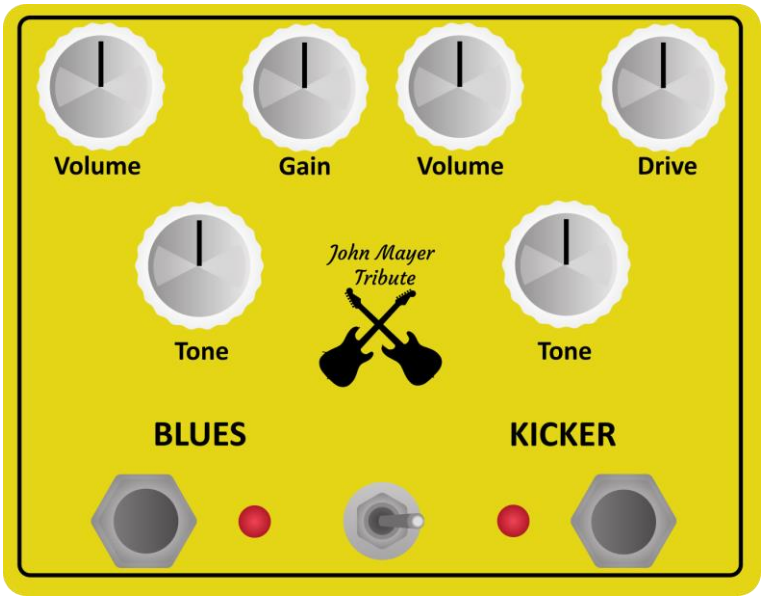
1. Solder the short side of both pin headers to the top of each main board, pointing upward. Next, solder all three switches, and (CLRs), to the dual wiring board. Crimp hang the LEDs (optional) if mounting to the dual wiring board.

2. Since the Dual PCB offers an additional LED Status location, you can choose your preferred setup. Whichever option you pick, solder a small jumper on the unused LED pads. (CLRs) are essential regardless of the installation choice.

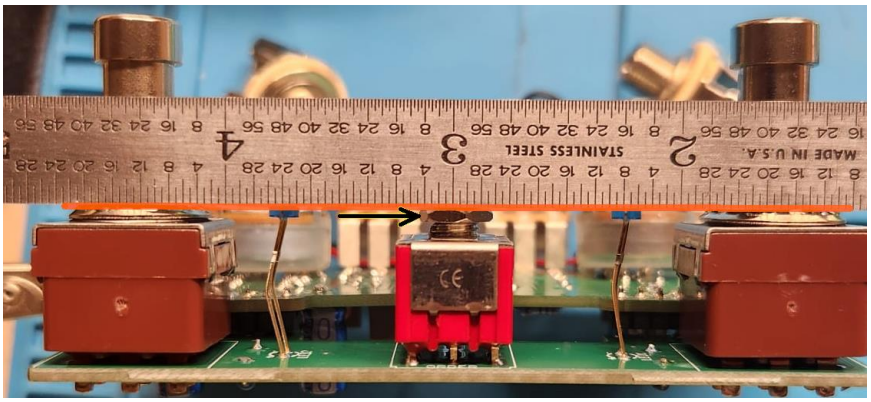
3. Remove both nuts on each of the 3PDT foot switches for the best height match. Adjust the height of the Order Switch height adjustment nut so it is level with the foot switches (see photo next page). Do not over-tighten.

4. Install the Dual PCB by sliding it over both pin headers. Once the foot switches and toggle switch are secured correctly within the enclosure, proceed to solder the long side of the pin header to the dual wiring board.

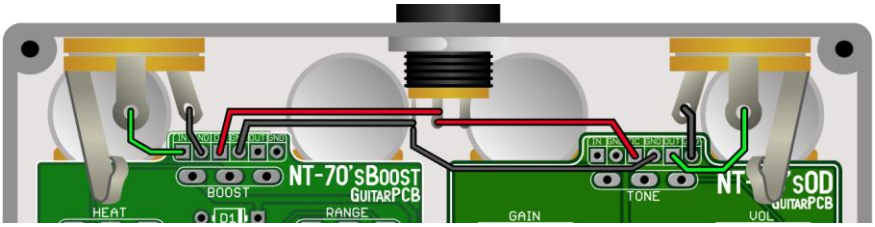
5. There are two (CLR) Current Limiting Resistors crucial to protect and adjust the brightness of their corresponding status LED. You may use a value of 1k8 (Bright) to 4k7 (Dim).



Pre-installation Height Adjustment – Remove both 3PDT nuts and adjust DPDT height nut accordingly.



Easy Wiring Diagram



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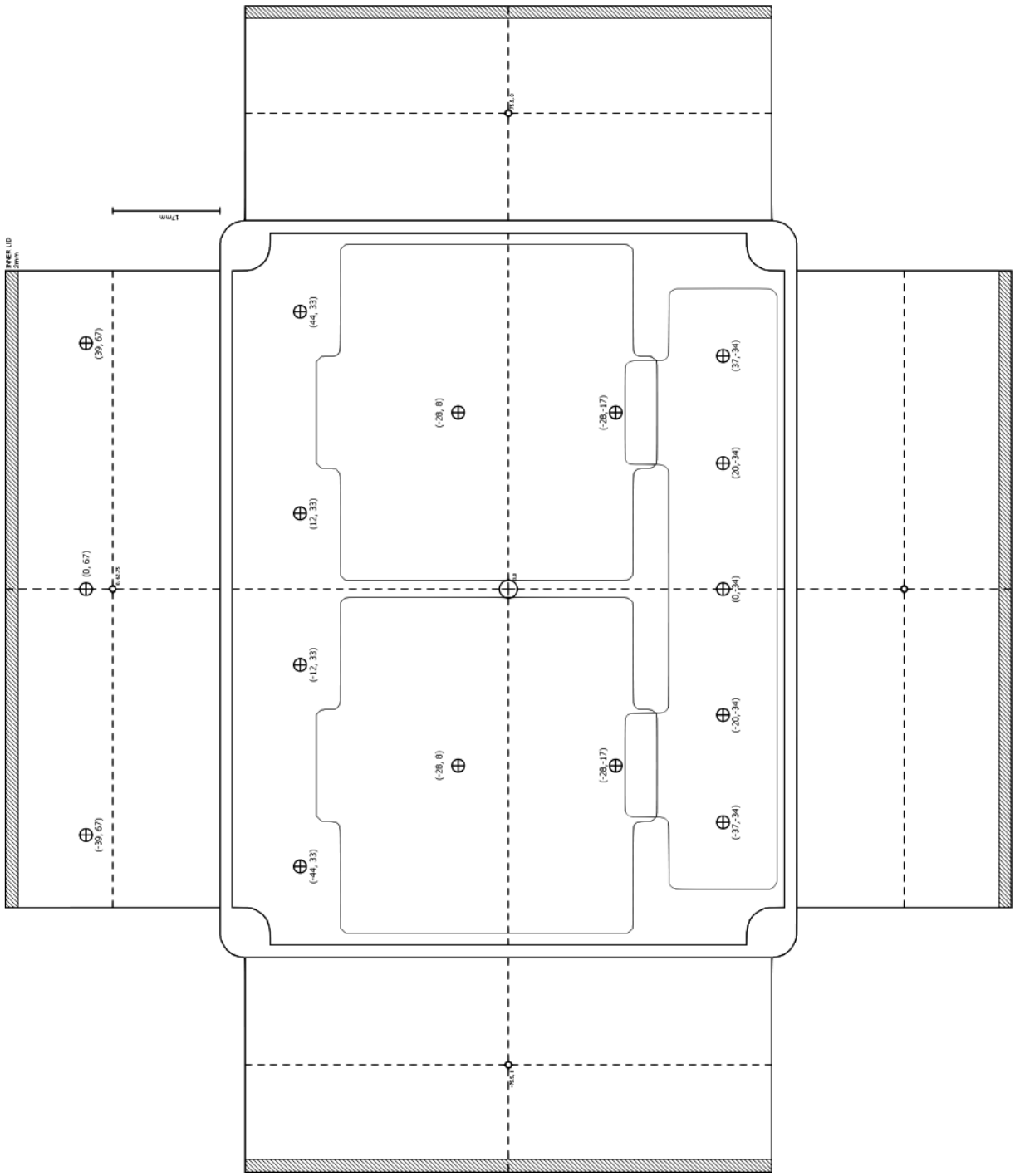

1590BB2 Drill Template

Drill only the holes required for your chosen project. LED holes can be located on either the wiring board or the main boards, giving you flexibility in how you lay out your build.

A link to a Tayda-drilled enclosure is available on the GuitarPCB Shop page. If you use the Tayda-drilled enclosure, both status LEDs must be installed on the dual wiring board