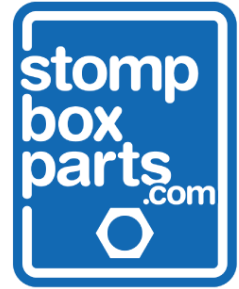




TBS1

True Bypass System



The TBS1 is a True Bypass System module. Combined with a momentary soft-touch switch, the TBS1 allows you to add no-click true bypass switching in place of the standard mechanical 3PDT to almost any effects pedal.

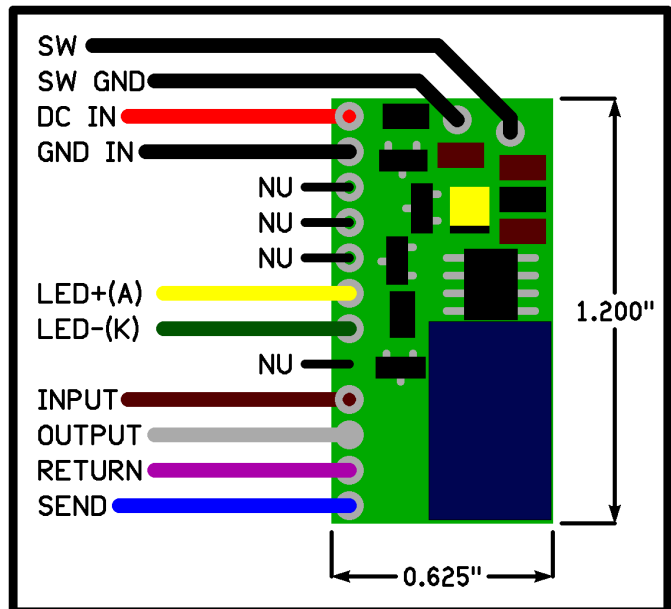
WIRING

SW (black): Momentary Switch wire 1.
SW-GND (black): Momentary Switch wire 2.
DC IN (red): Any positive voltage, 6-24VDC
GND IN (black): Ground

LED+ (yellow): *Optional*, use this to power to the anode of the LED from the TBS1.
LED- (green): Cathode (Grounded) side of LED. This assumes the LED is powered from your effect PCB's wiring or directly from the DC jack (with a series resistor).

INPUT (brown): Input Jack Tip
OUTPUT (grey): Output Jack Tip
RETURN (violet): Output from the effect PCB
SEND (blue): Input to the effect PCB

NU: Not Used



MOUNTING RECOMMENDATIONS: The PCB can be mounted inside the enclosure in many ways, including double sided foam tape, or in a heat shrink sleeve stuffed in the battery compartment convenient corner of the pedal enclosure.

WIRING NOTES:

- Wiring colors are suggestions only, use whatever color you want!
- SPST footswitch must be "normally open".
- Implementing the LED:
 - If your effect PCB has a spot for an LED (with on-board resistor), send the LED wire (ensure it's the cathode side) to **LED-** on TBS1.
 - If you'd like to power your LED from the TBS1, send the **LED+** to the anode and cathode to **LED-**.

POWER REQUIREMENTS:

LED Current 2-10mA typical (varies).
Circuit Current: ~120µA (.12mA).
Switching Current: 30mA for 10mS.