

HOW TO USE OUR M1-PCB

This document has examples of using our M1-PCB product for different functions. More information about this product is on our website Document Library page (*see document I12*).

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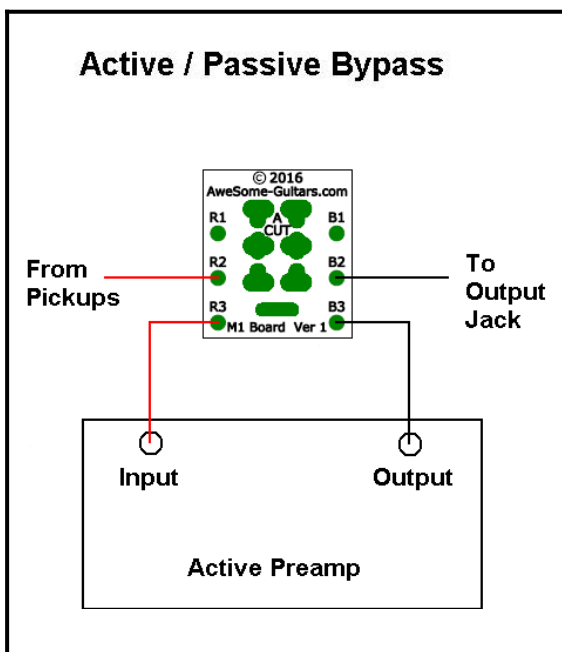
The M1-PCB Description

Our **M1 Printed Circuit Board (M1-PCB)** is a multi-purpose product that is ideal for all your electric guitar or bass switching projects where a **DPDT mini toggle switch -or- push-pull potentiometer** components is used to provide the function.

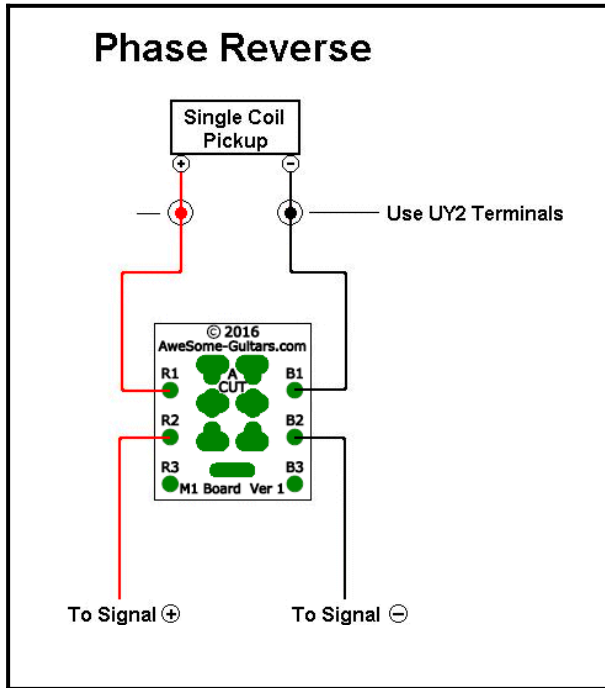
It eliminates the frustrating problem of connecting and soldering wires to six very tiny switch pins. You just solder the component to the M1-PCB. Next, you solder wires to the applicable circuit board pads (R1, R2, R3 and B1, B2 B3) and they are electrically connected to one of the six tiny pins of the component.

Some Common Wiring Control Examples.

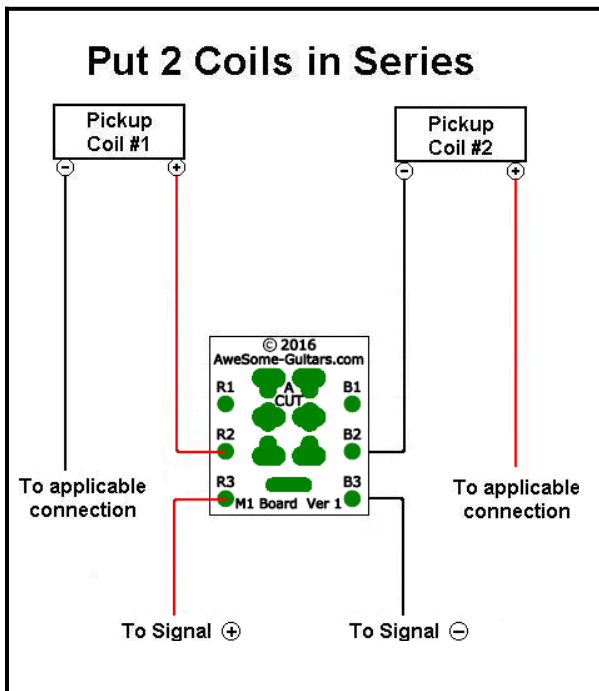
This example uses either a push-pull pot or a DPDT (On-none-On) mini toggle switch component to switch on or bypass an Active Preamp.



This example uses either a push-pull pot or a DPDT (On-none-On) mini toggle switch component to reverse the phase of a pickup coil. If a DPDT (On-Off-On) mini toggle switch is used, this lets you get both On-Off and phase switching control



This example uses either a push-pull pot or a DPDT (On-none-On) mini toggle switch component to put two pickup coils into correct phase series.

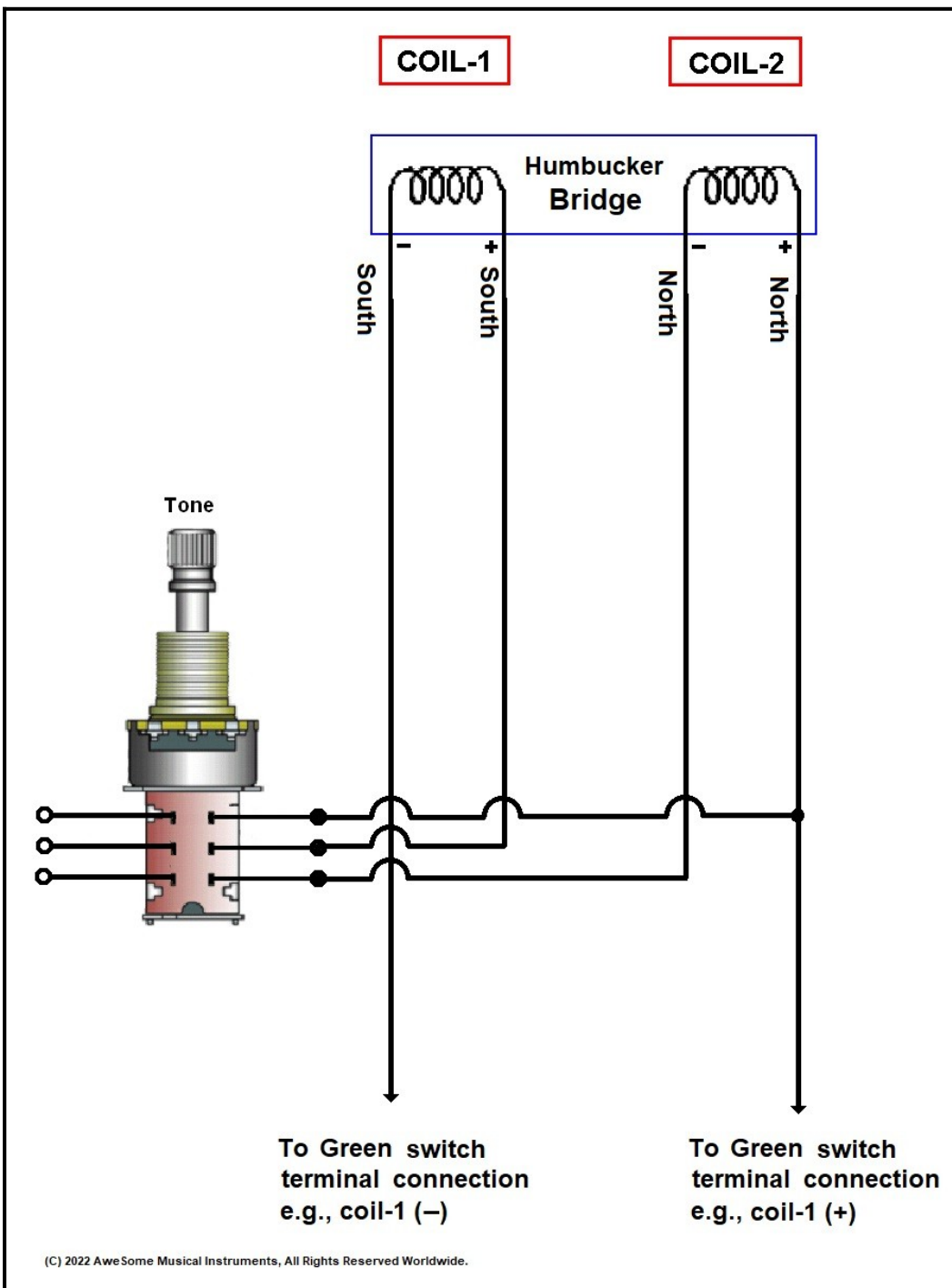


One 4-Wire Humbucker Split Control

The following diagram shows how to connect one 4-wire humbucker pickup to a push-pull pot for coil splits. Push pull IN: gives you a humbucker signal with COIL-1 and COIL-2 in Series (*both coils in normal-phase*). Push pull OUT: gives you a single-coil signal from COIL-1. No signal is produced by COIL-2.

Electrical connections can be made using the Plus-Minus signal source from your instrument.

The connections can *also* be made using one of our pickup switch products. By attaching our **M1-PCB** to the push-pull pot, the connections are dramatically simplified for you.



Two 4-Wire Humbucker Split Control

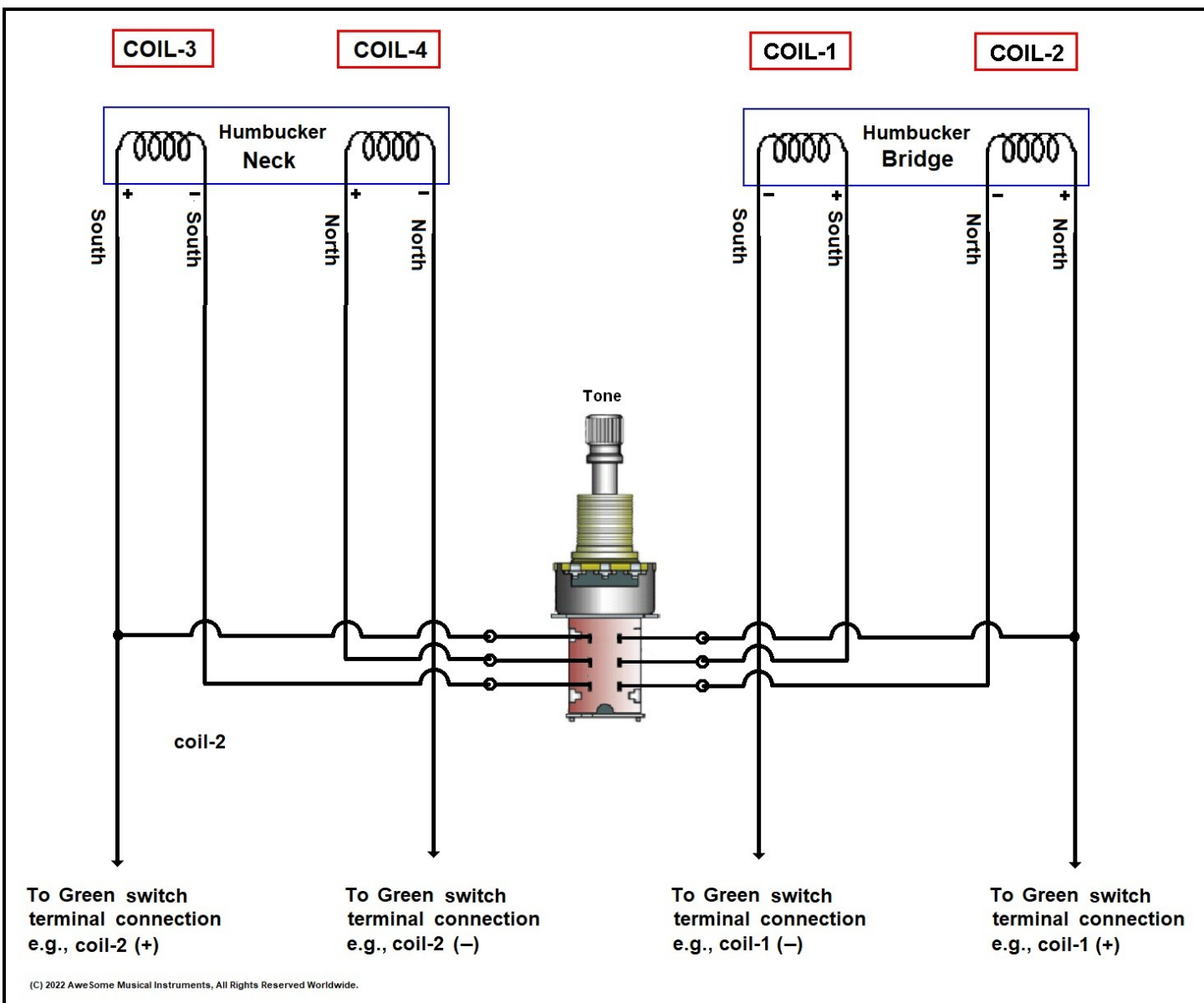
The following diagram shows how to connect two 4-wire humbucker pickups to a push-pull pot for coil splits.

Push pull IN: gives you a humbucker signal with COIL-1 and COIL-2 in Series (*both coils in normal-phase*) and COIL-3 and COIL-4 in Series (*both coils in normal-phase*).

Push pull OUT: gives you a single-coil signal from COIL-1. No signal is produced by COIL-2. Also gives you a single-coil signal from from COIL-4. No signal is produced by COIL-3.

Electrical connections can be made using the Plus-Minus signal source from your instrument.

The connections can *also* be made using one of our pickup switch products. By attaching our **M1-PCB** to the push-pull pot, the connections are dramatically simplified for you.



For additional wiring details, go to <https://www.awesome-guitars.com/document-library/>