



PM Foundations ER-808 v1.4  
Trigger/Output Module

## Resistors

Arrange the resistors by value on the workbench in the same order as listed in the BOM and install each numbered part for that value before moving onto the next.

Install the resistors on the TOP of the board. Take care not to mix up resistors which have similar color codes.

Solder and clip the leads.

## IC Sockets

Install the sockets on the TOP of the board. Observe the notch or mark on the sockets and align with the notch or mark on the board. Solder.

## Bus header

Install the 16 pin right angle bus socket on the BOTTOM of the board. **This must be installed with the correct orientation or the module will be damaged when the power is connected.**

The cut-out in the socket should face the words "BUS HEADER", as shown in the photo.

The header must be completely flat and aligned with the PCB so clean up any joints that interfere with this.

## Ceramic and film capacitors

Install the capacitors on the TOP of the board. Solder and clip the leads.

## Trimmer resistors

Install on TOP so the adjustment is accessible from the back edge.

## Electrolytic capacitors

Install on the TOP. Make sure you orient correctly. The longer lead and/or the lead marked with a + needs to be inserted into the hole that has the "+" marking near it. Leads marked with "-" go in the board hole WITHOUT the "+". Solder and clip the leads.

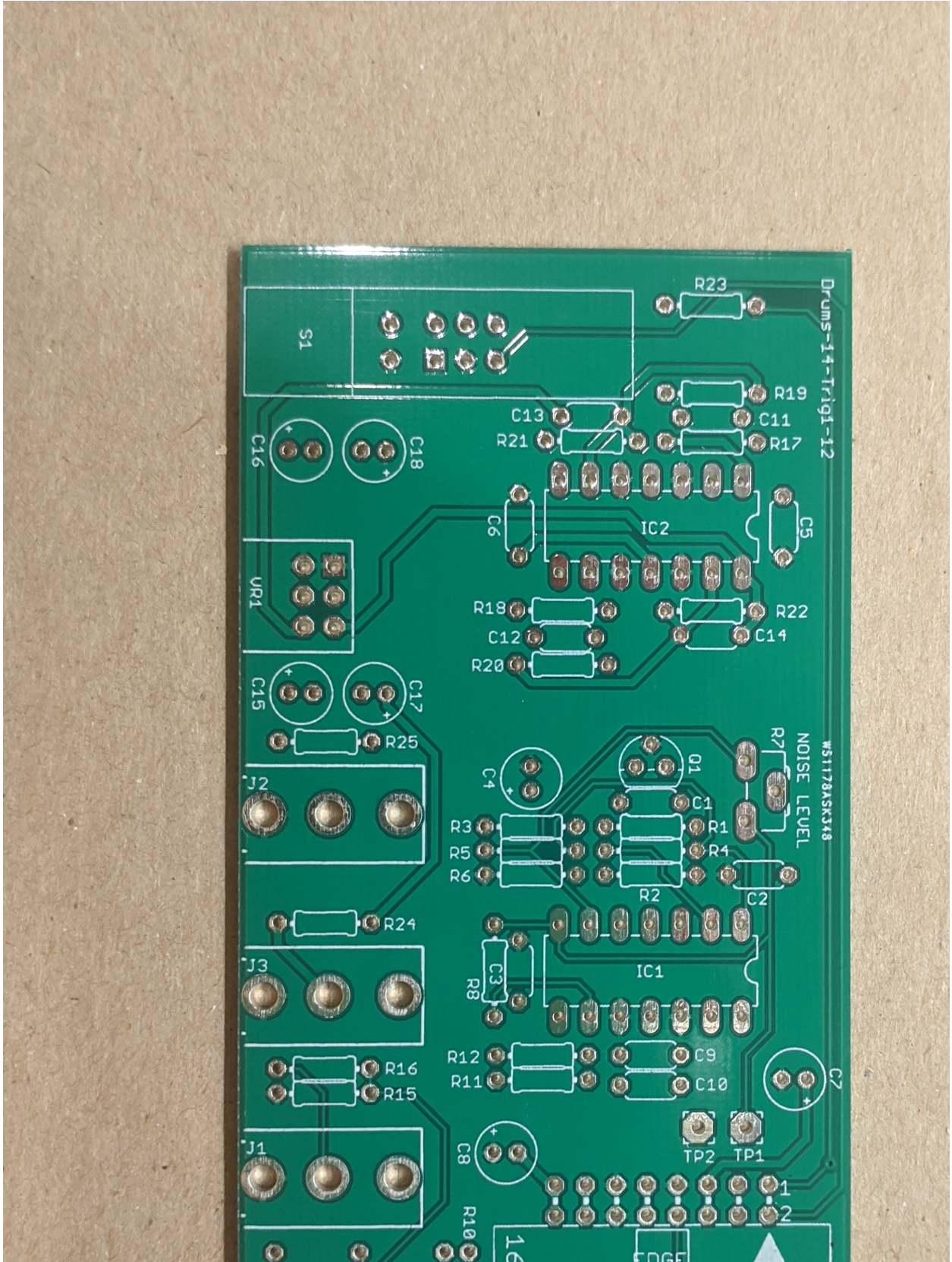
## Potentiometers, jack sockets

If the pots have positioning lugs on the front, cut these off with a sharp pair of flush cutting pliers.

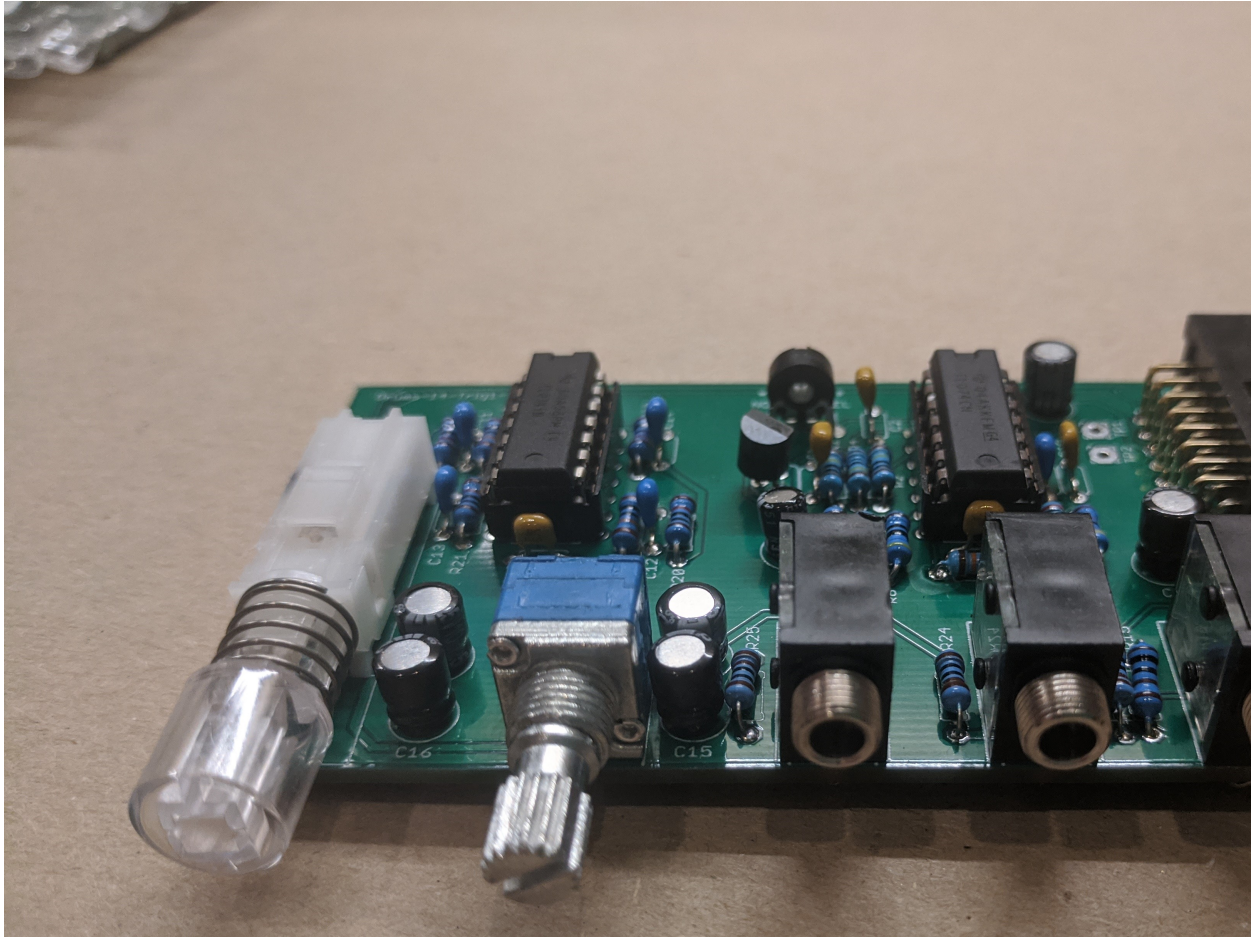
Please ensure they are on the CORRECT SIDE OF THE BOARD before soldering otherwise PCB tracks and pads may be damaged if they are desoldered. See Photo.

## Lighted switch

Carefully insert the leads into the holes for the switch pins and LED pins. The plastic legs of the switch must be flat onto the surface of the PCB. Any plastic legs which are fouled by other component pins should be cut off so the switch can lie flat.







## Testing

Install the ICs.

Plug the module into the Bus PCB and power on.

Press the button and it should light, press the Accent button and Trigger button should turn off.

Press the button again to light and then select a step.

Start the sequence and check that the Trigger Out jack sends a trigger when the step lights the Trigger button.