

# 8, 10 AND 12 WAY ROTARY SWITCH

A simple PCB that greatly reduces the time to build ratiometric rotary switches.

These PCB as supplied pre-populated with resistors and fit commonly found 8, 10 and 12 way micro rotary switches from Grayhill and Elma.

Being pre-made removed the need to work with loose leaded resistors or hand placing SMT resistors, this greatly reduces the time required to make a variable voltage rotary switch.

The ratiometric output voltage will swing rail to rail when the solder links are closed. With open solder links the top and tail resistors provide a small voltage above and below the voltage rails at the switches end stops. For a 5V supply, this equates to approximately 0.5V to 4.5V output voltage across the 10 way PCB.



## FEATURES

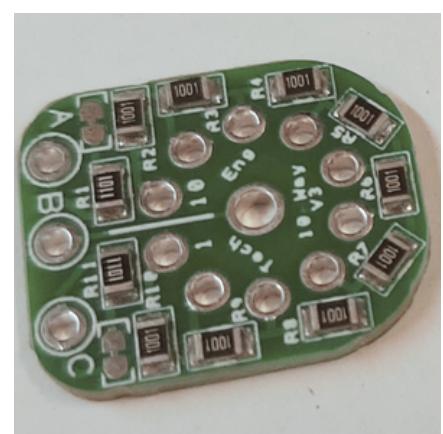
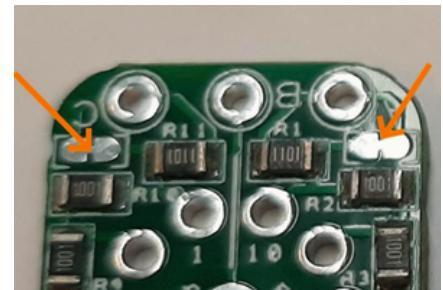
- Suits 8 way, 10 way and 12 way rotary switches
- For PCB pin type switches only
- Optional Top and Tail resistor enabled via solder links
- 1K 1/8th watt resistors used in string
- Output voltage is ratiometric to supply.
- Can be used for a 3 Wire voltage output or 2 wire resistive output.
- If Pin A is used for the supply, voltage will increase as the switch is turned clockwise, to Invert place supply on Pin C.
- Designed for Low voltage signals / currents only, not mains suitable.
- Wires can exit from either side of PCB to suit.

Pin A – Supply

Pin B – Signal

Pin C – Ground

\*Reverse supply and ground pins to change direction of voltage change.



Other versions including 8 way and 12 PCBs way can be made on request.

We always advise customers perform their own test to ensure the item is suitable for your application and regulations.