



**Package Contents:**

- 1x Mechanical Relay Breakout PCB
- 1x 2 hole screw terminal
- 1x 3 hole screw terminal
- 1x Red 5mm LED
- 1x 470 Ohm resistor
- 1x Rectifier
- 1x Mechanical Relay

**Tools required for assembly are listed here:**

- Solder, 80/20 is recommended
- Soldering iron or gun (Please see the warning above)
- Optional: "3<sup>rd</sup> hand" holding device

## Assembly

1. Orient the PCB (printed circuit board) so that the text faces up.
2. Orient the relay so that the 6 pins on the bottom match the 6 large holes in the center of the PCB. Firmly press the relay into the board. It may be easier to turn the board over and press the PCB on to the relays pins. Once inserted solder the relay pins in place from the bottom side of the PCB.
3. Next trim the legs off the led. Orient the LED so that the flat notch in one side matches the diagram. Solder the LED in place from the bottom side of the PCB.
4. Bend the legs of the 470 Ohm resistor 90°. Insert the legs into the holes marked R3. Solder the pins in place from the bottom side of the PCB. Trim the legs off with wire cutters.
5. Ben the legs of the rectifier 90°. Orient the rectifier so that the gray line on one side of the rectifier matches the diagram. Insert the rectifier into the PCB area marked D1. Solder the pins in place from the bottom side. Trim the legs off with wire cutters.
6. Insert the 2-hole terminal into the 2 large holes marked +5v and GND. Make sure that the terminal is oriented so that the holes are facing away from the relay. Solder in place from the bottom side of the PCB.
7. Insert the 3-hole terminal into the 3 large holes marked NC, NO, CO. Again orient the terminal so that the holes are facing away from the relay. Solder in place from the bottom side of the PCB.
8. Assembly is complete. You may now use the mechanical relay with the Wired or Wireless 10 Relay Controllers or your own project.

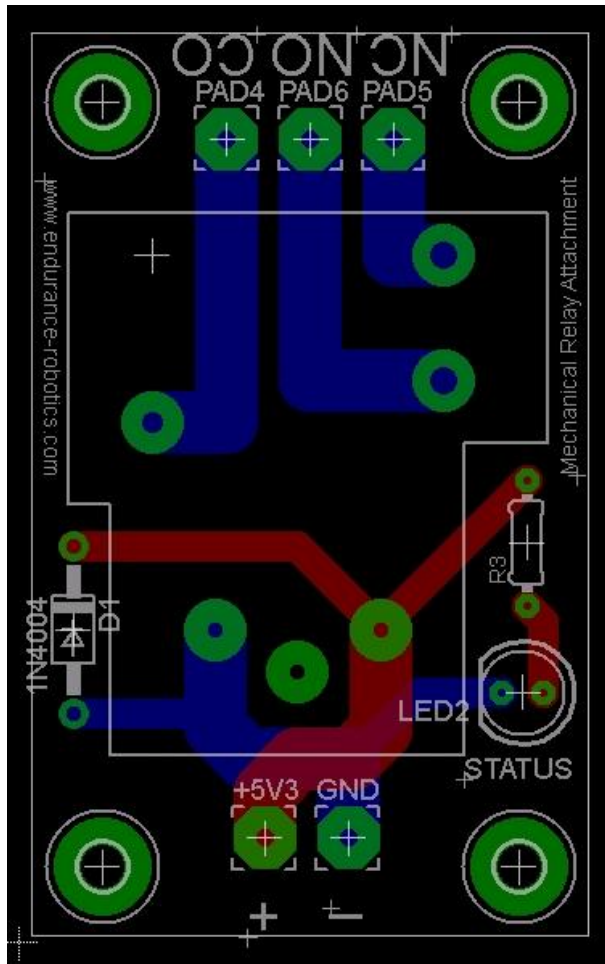


Figure 1. Mechanical Relay Layout Diagram