

Instructions to add a 2 Channels 5V Relay Board to a Firefly Mini.

Firefly Mini has 4 pads near the display connector that allow to use a 2 channel 5V relay board if needed for some project. The relay board needs to be slightly modified to fit the Firefly Mini component placement.

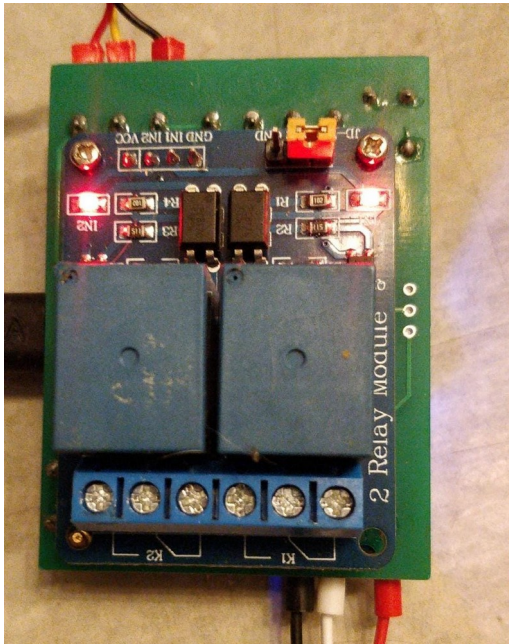


Figure 1: Bottom view of a Firefly Mini with a 2 channel Relay Module attached to pins D3 and D4

It is necessary to heat the pins of the relay board to be able to slide them to the opposite side of the PCB board, in this way these pins can be aligned with the pads that are right next to the connector of the OLED display. After you have done this you have to add a little solder on the pads and pins as they may need a little extra solder after you slide them in. The relay plate is in an inverted position with respect to the display and this allows access to the relay terminals.

There are holes to attach some PCB spacers.

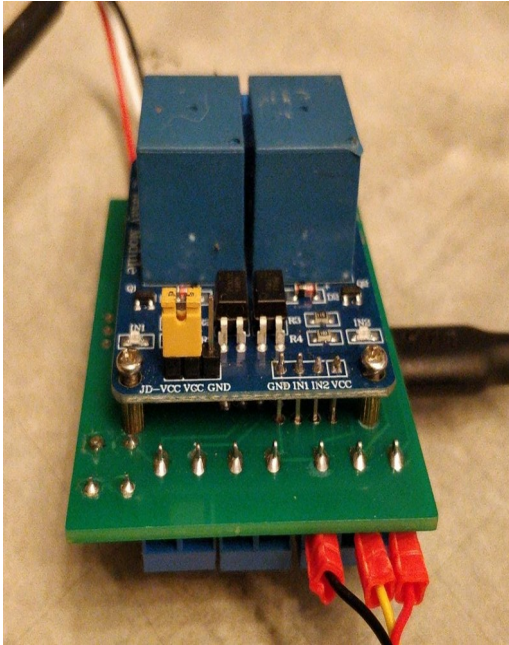


Figure 2: Bottom View of the connection between the relay board and the Firefly Mini. Those pins on the relay board need to be lowered.