I would really be grateful if you start to build the Optical Tester, that you go to the Photrio thread and say hi. Also please post photos of your completed tester.

Please refer to Photrio for further build help & to let us know you are building the tester
[Build a Optical Shutter Tester Cheap, Easy & it Works | Photrio.com Photography Forums](#)

Optical Shutter Tester Wiring & Hardware Build   V1   05/03/2024

Wiring of the module is easily acompished using Dupont wires. These are supplied with the matrix board, which will be random colours.
Two additional Dupont female to female wires are required for the button.

Refer to the photos below and the schematic PDF.
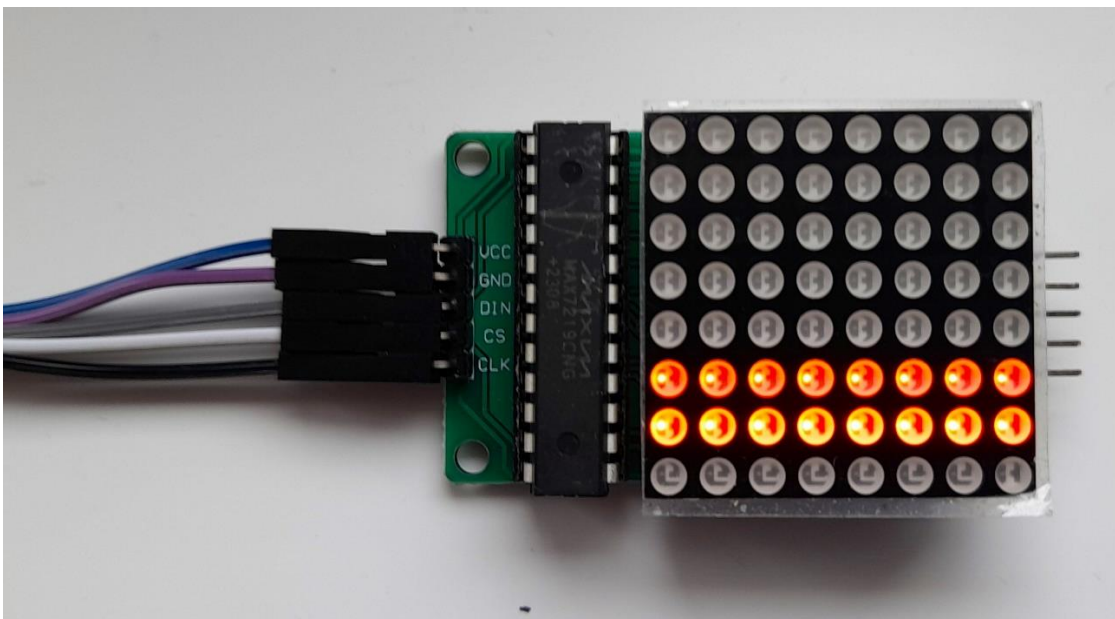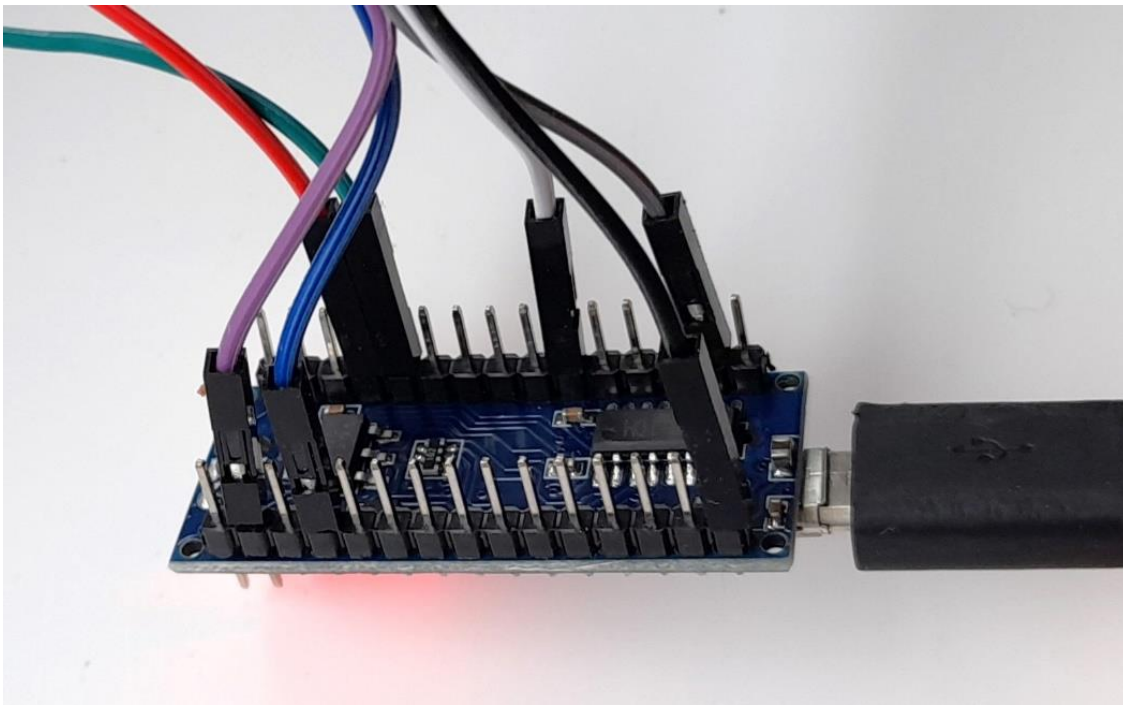
Button wiring.

Only one button is used (Red & Green wires in the photo) One wire connects to pin D2 and the other to GND.

Project Box.

The Arduino Nano, Matrix & Button can be built into a simple plastic project box. Mark & cut out a square hole for the matrix, which can then be hot-glued from the inside, so it sits flush with the outside of the case.

The Arduino Nano will need a little ingenuity in mounting, due to the header pins.

One option is to purchase the non-soldered header pin version and solder the pins on the top side. A spacer can then be hot-glued on the underside (to raise it up to give space for the USB connector).

Or the Arduino Nano could be mounted on it's side, with the edge & pins hot-glued to the base of the box & spacers hot glued on the top of the board, to give an additional fixing to the side of the box.