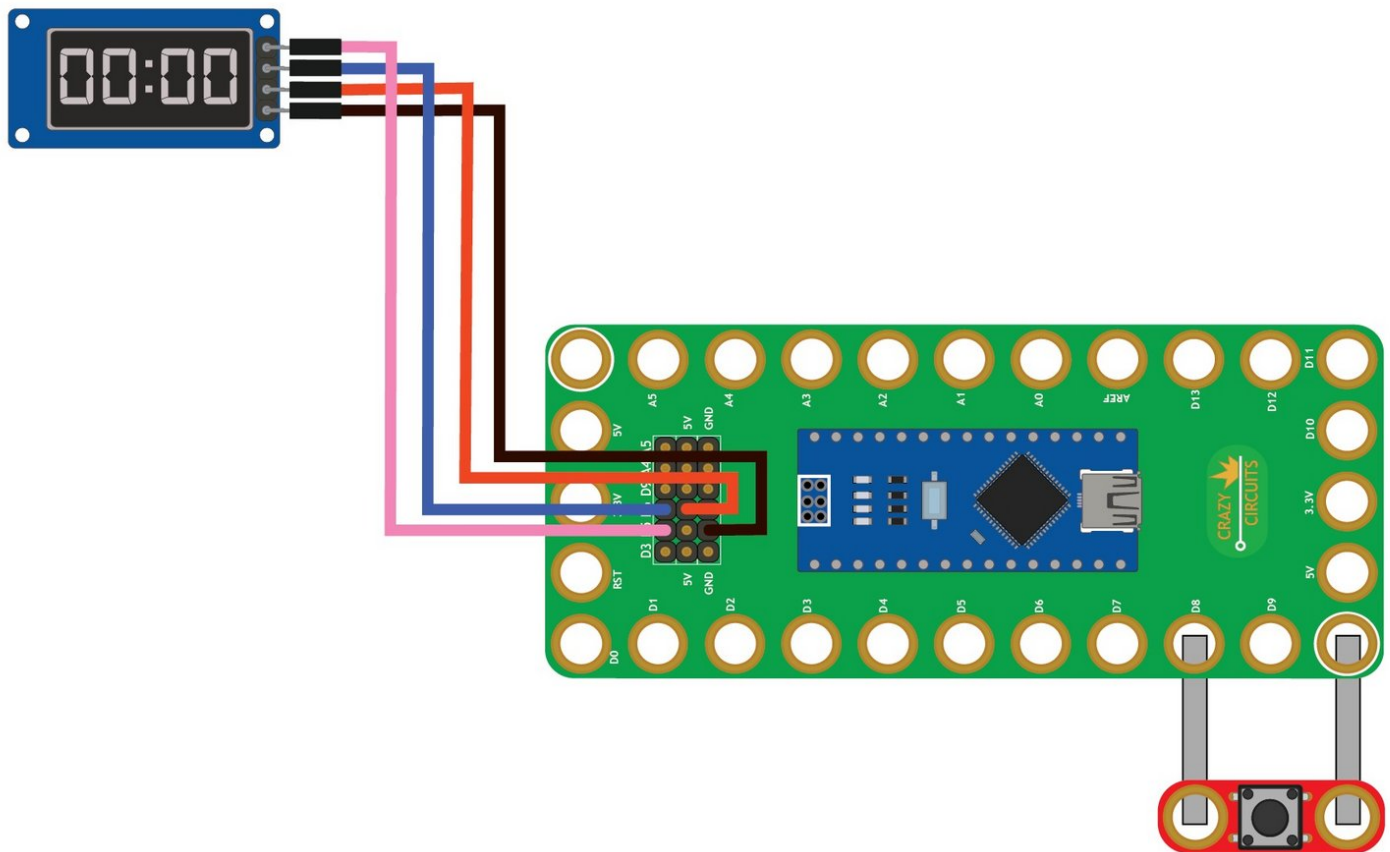




# 13 - Pushbutton with 7 Segment Display

Use our Programming 101 kit to control a 7 segment display with a pushbutton.

Written By: Pete Prodoehl



## INTRODUCTION

Use our Robotics Board to control a 7 segment display with a pushbutton.



### TOOLS:

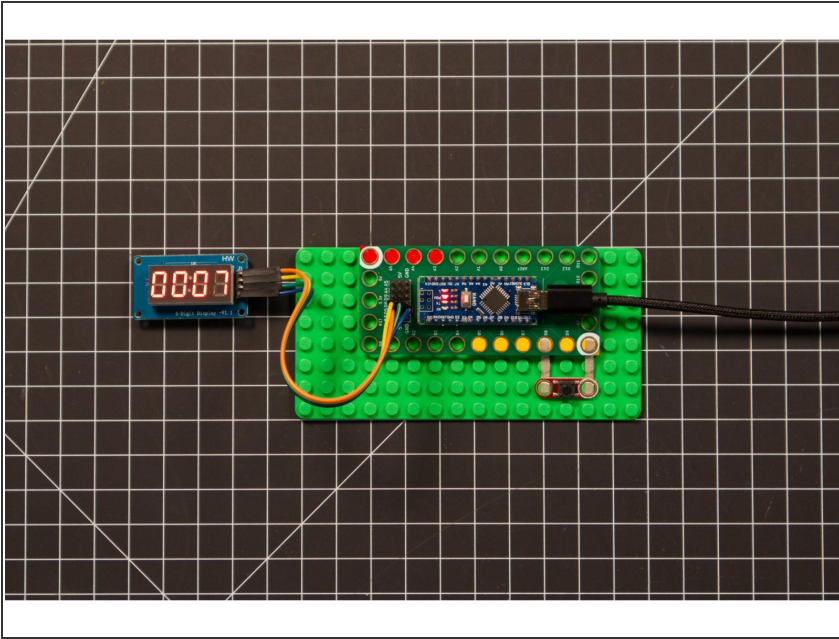
- [Scissors](#) (1)
- [Computer](#) (1)



### PARTS:

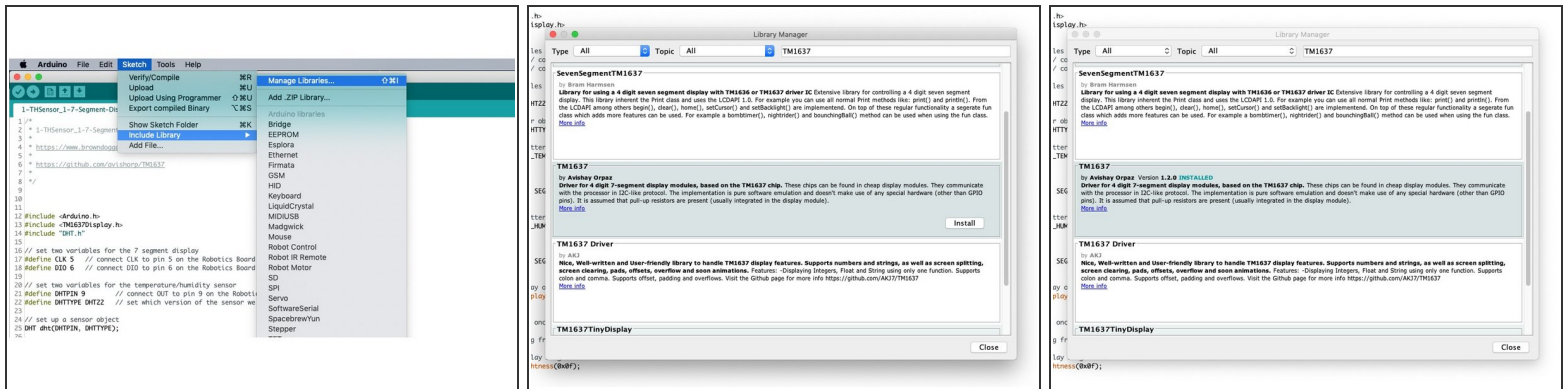
- [Crazy Circuits Robotics Board](#) (1)
- [Standard Pushbutton Chip](#) (1)
- [7 Segment Display](#) (1)
- [Jumper Wires](#) (4)
- [Maker Tape 1/8th inch](#) (1)

## Step 1 — Build the Circuit



- Build the circuit as shown in the diagram using the components specified.
- You can use any color jumper wires for the 7 segment display, just make sure they are plugged into the right place.

## Step 2 — Install TM1637 library



- Install and launch the Arduino software.
- Click on the **Sketch** menu, select **Include Library**, and then **Manage Libraries...**
- On the top right side type **TM1637** and it will show the results in the bottom of the window. We want the **TM1637** by **Avishay Orpaz**. Click the **Install** button.
- The library will be downloaded and **installed**, and then show the word Installed along with the version number. Click the **Close** button in the lower right corner. You are now ready to upload your Arduino sketch!
- (These instructions can also be found in the PDF file **Installing-TM1637-Library.pdf**)

## Step 3 — Upload the Code



- Upload the Arduino sketch to the Robotics Board.
- You can find the code here: <https://github.com/BrownDogGadgets/Crazy...>

