BROWN DOG
Gadgets

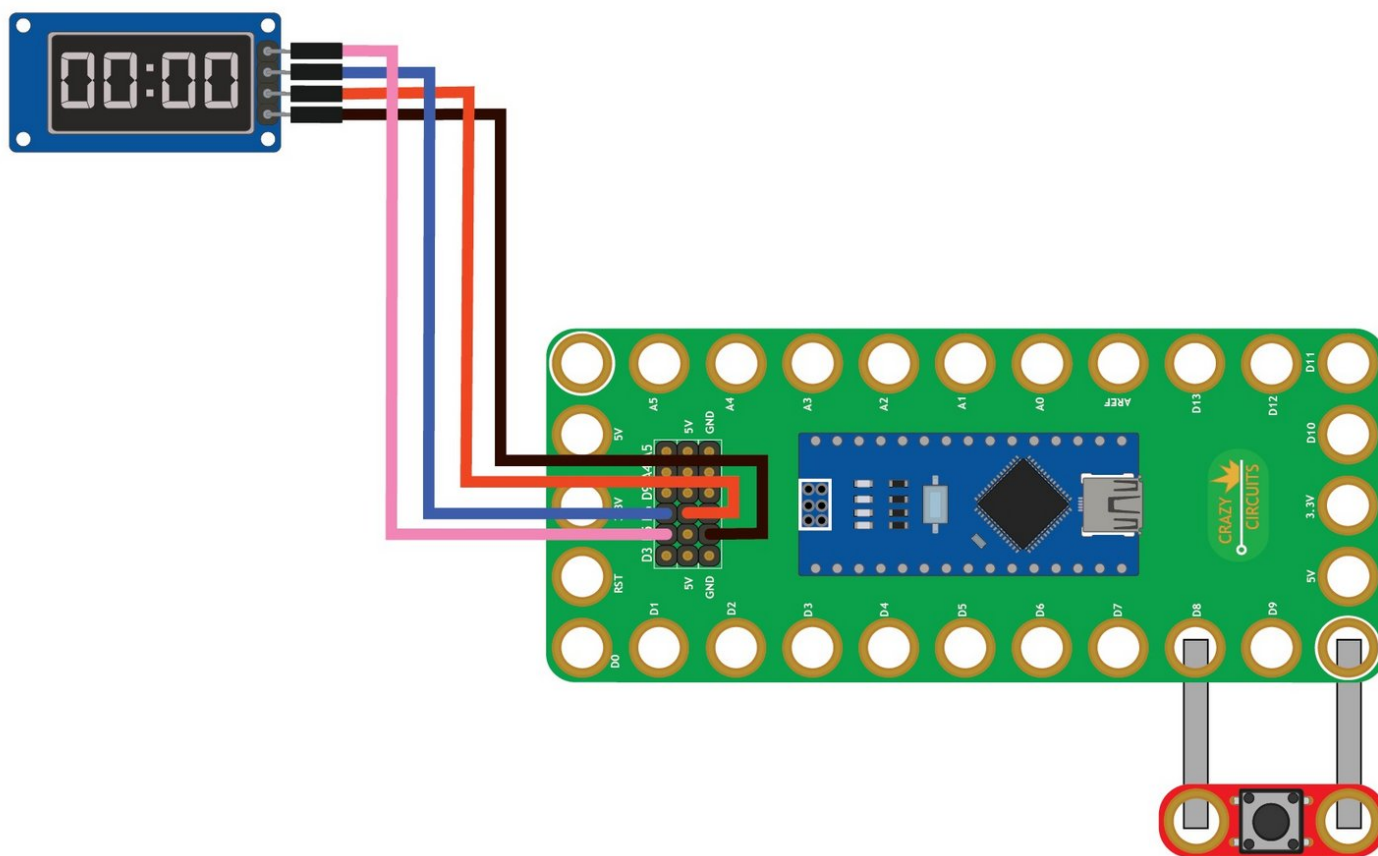# 13 - Pushbutton with 7 Segment Display

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

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INTRODUCTION

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

TOOLS:
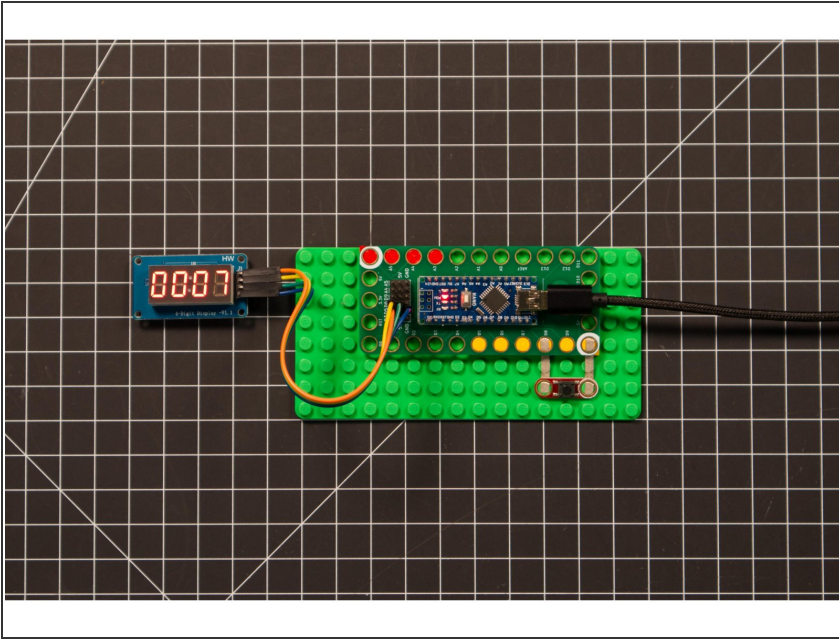
- Scissors (1)
- Computer (1)

PARTS:

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

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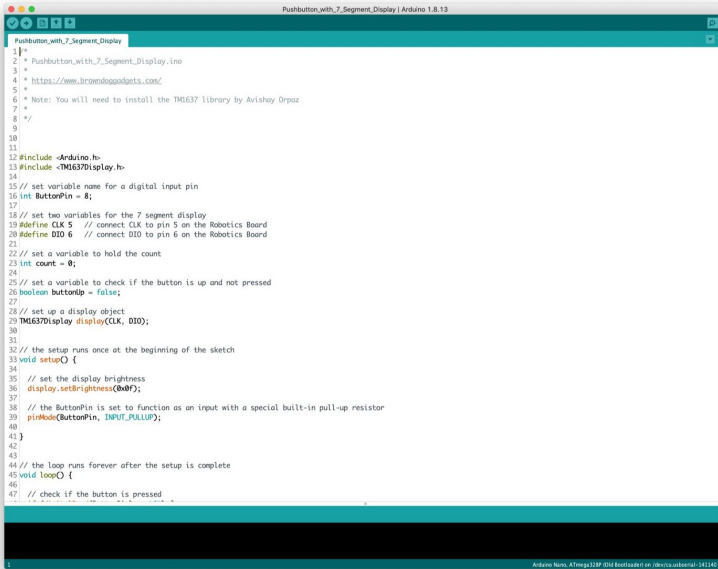## Step 1 — Build the Circuit

- 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
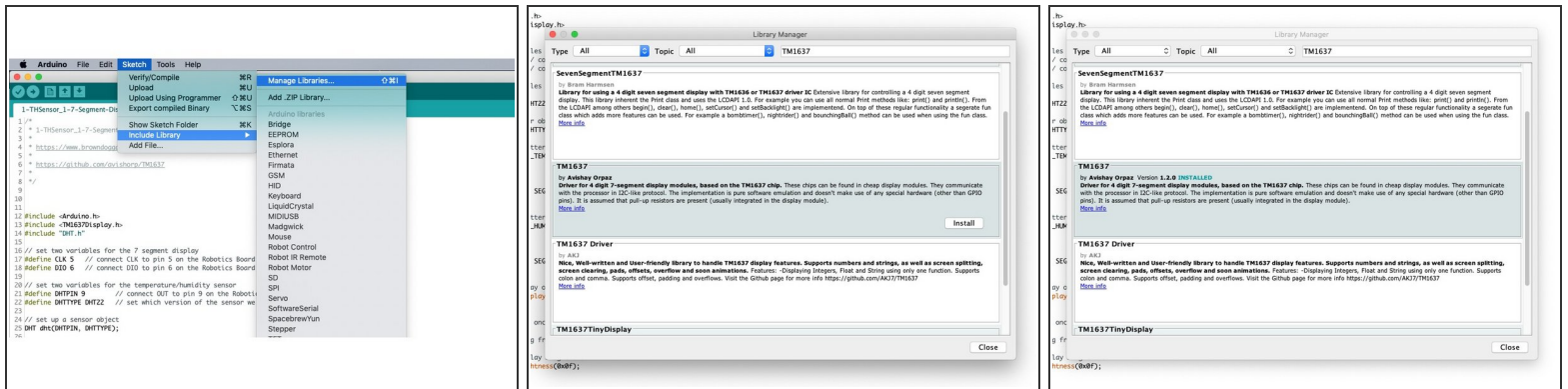
- Install and launch the Arduino software.

- 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**)

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Step 3 — Upload the Code

- Upload the Arduino sketch to the Robotics Board.

- You can find the code here: https://github.com/BrownDogGadgets/Progr...

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