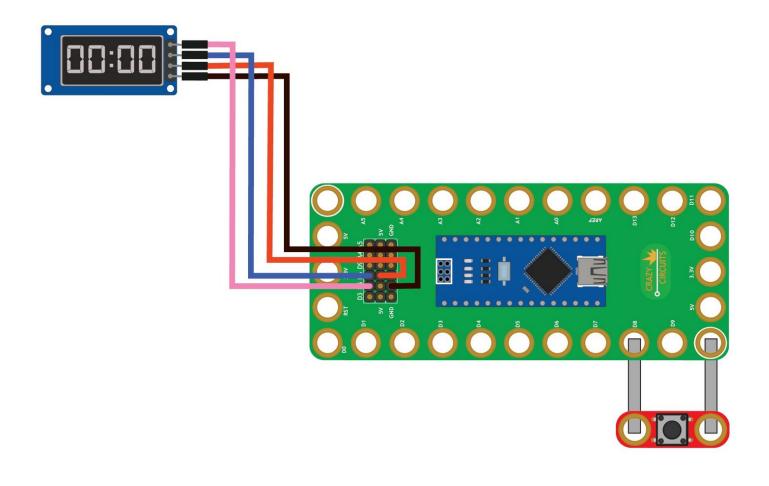


13 - Pushbutton with 7 Segment Display

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

Written By: Pete Prodoehl

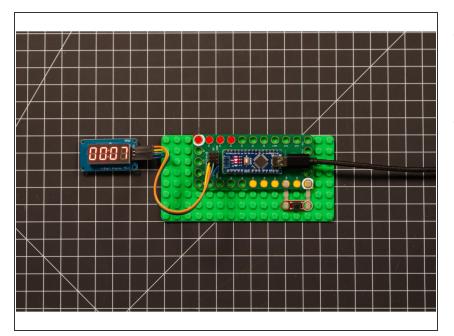


INTRODUCTION

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

TOOLS:	DARTS:
 Scissors (1) 	 Crazy Circuits Robotics Board (1)
 Computer (1) 	 Standard Pushbutton Chip (1)
	 7 Segment Display (1)
	 Jumper Wires (4)
	 Maker Tape 1/8th inch (1)

Step 1 — Build the Circuit



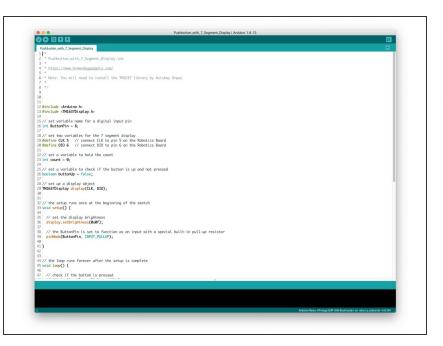
- Build the circuit as shown in the diagram using the components specified.
- You can use any color jumper wires for the 7 segment display, just make sure they are plugged into the right place.

Step 2 — Install TM1637 library

Anduino File Edit Statuti Tools Help Verificancia Verificanci	Manage Loraries	/ co / co les HT22 r ob HTTY tter _TEM	Library Manager Libr	les / co les HTZZ r ob HTTY tter _TEM	Charry Manager Construction
8 * 9 10 12 finclude «Ardvino.h» 13 finclude «MAS370isplay.h»	USaw Keyboard LiquidCrystal MIDUS8 Madgwick	SEG tter	by Ankiny Optic Denote Int 4 dight - propendit displays modules, based on the THLSI7 chip. These chips can be fruid in chips display modules. They communicate with the processor is IC-displays and a communication is provide some module and down't make use of any decisi fundament (other the CPD the solid Network). The communication are present (source) respectively in module).	SEG tter _HUM	by MeMony Organ. Vision 12.8 DISTANCE Description (1) and Description (1) and Descript
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- 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: <u>https://github.com/BrownDogGadgets</u> /Progr...