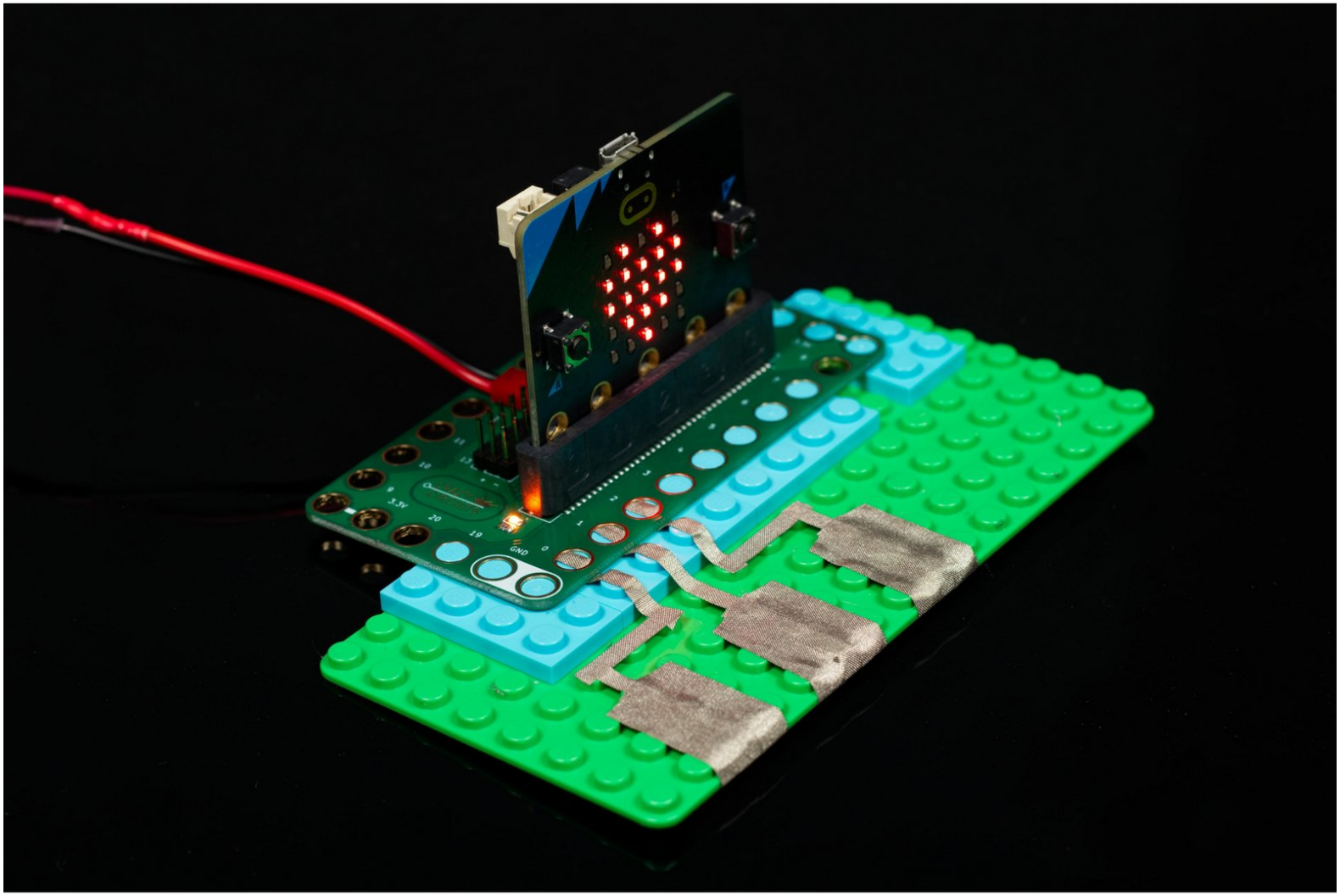
Capacitive Touch v2

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INTRODUCTION

Use a Bit Board along with a micro:bit V2, some LEGO parts and conductive Maker Tape to build a capacitive sensing circuit that can show icons on the LED display with just the touch of a finger.

TOOLS:

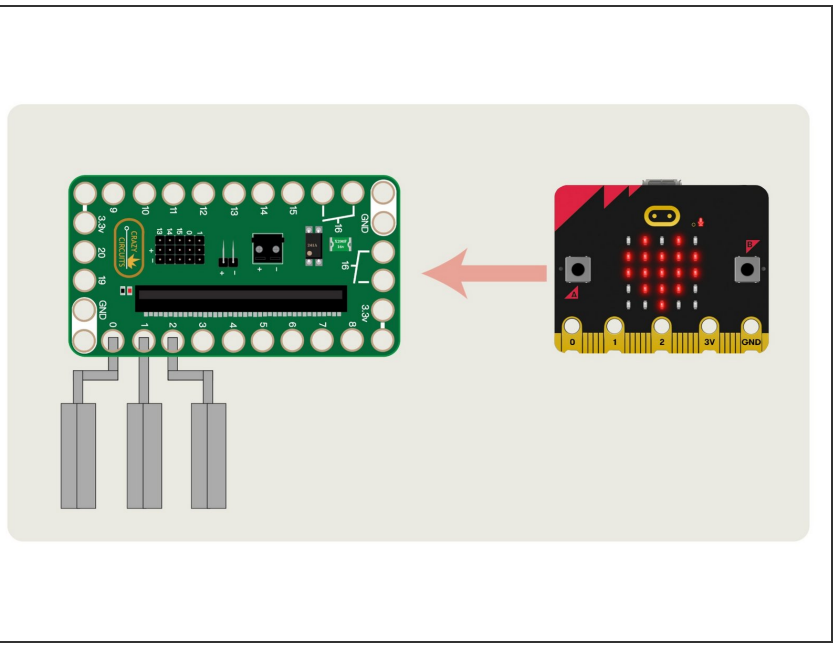
- Scissors (1)
- Computer (1)

PARTS:

- Crazy Circuits Bit Board (1)
- micro:bit (1)
  V2
- Maker Tape (1)
  1/8"

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Step 1 — Build your Circuit

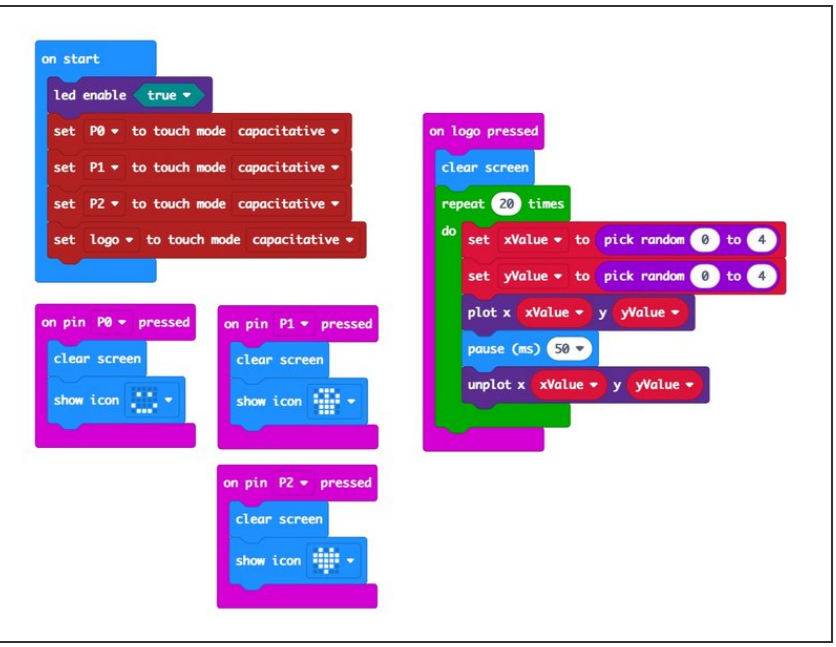


- Gather your components. You will need a micro:bit V2, a Bit Board, and some 1/8" Maker Tape.

⚠ You do need a V2 micro:bit as it supports capacitive touch. Previous versions will not work for this project. (You might be interested in our guide to capacitive touch on the micro:bit V1 board.)

- Once you have your components, assemble the parts onto a LEGO baseplate and use Maker Tape to connect the LEDs.

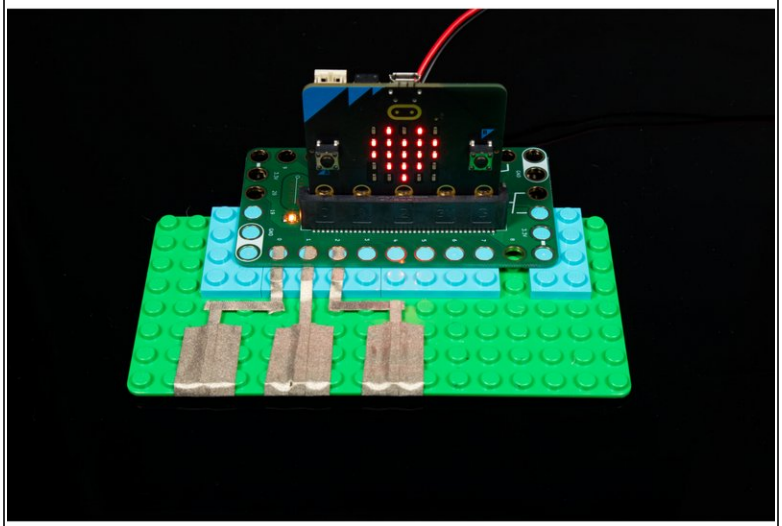
Step 2 — The Code

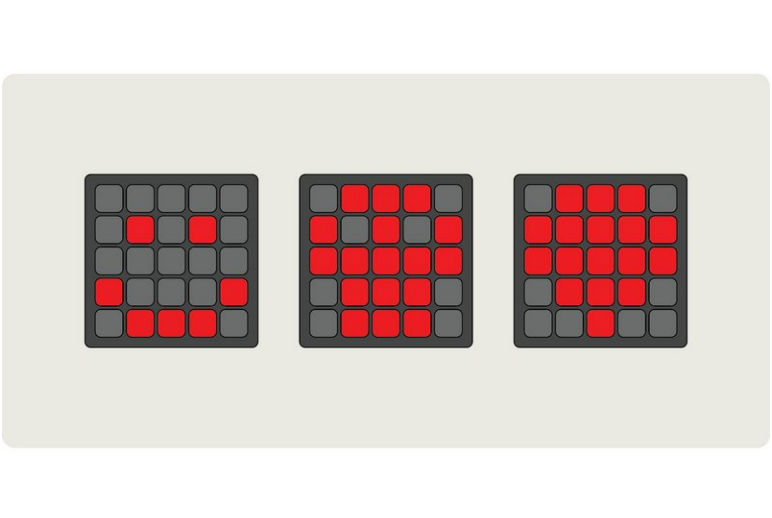


⚠ Normally we'd link to the code here, but as the micro:bit V2 is not released as of the time of this writing, some of the code *may* change before it is available to the public.

We will update this guide when the MakeCode editor has been updated to fully support the micro:bit V2.

Step 3 — Test it Out!





- Touching the tape connected to Pin 0, 1, or 2 will show an icon on the micro:bit's built-in LED matrix.
- On the micro:bit V2 the logo is copper plated and also serves as an additional touch point. We've set our program to play a simple animation when touched.

ⓘ You can choose from a variety of built-in icons or you can draw your own in the MakeCode interface.