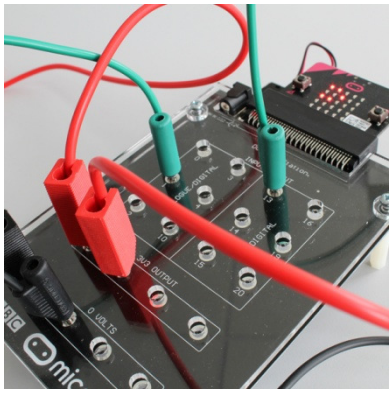
Instruction Sheet: Micro:bit Breakout Board

The micro:bit breakout board has been designed to increase the functionality of the micro:bit by exposing the edge connector into multiple 4mm input and output, digital and analogue connections. This enables basic or advanced electronic circuits and control systems to be created and programmed using both the micro:bit specific coding environments and traditional C/C++ coding languages.

Features

- Works with standard 4mm banana plug cables
- 12 input/output channels
  - 6 analogue/digital input and outputs
  - 4 digital input and outputs
  - 2 i2c/digital input and outputs
- 4 3V3 power output
- 4 GND channels
- External 5V DC power boost input



Assembly

The instructions below reference the "Assembly Images" sheet.

1. Check you have the correct parts. (Image 1)
   a. 1 x Breakout Board.
   b. 1 x Acrylic Cover.
   c. 4 x Screws.
   d. 4 x Legs.
2. Insert one screw though any one of the four corner holes on the acrylic cover. (Image 2)
3. Place one spacer over the screw as per image 3. Use a finger to hold the screw in place.
4. Line up the same hole on the breakout board with the screw from the acrylic board whilst still using your finger to hold the screw in place. The spacer should be between the acrylic cover the breakout board. (Image 4)
5. Place the breakout board on top of the acrylic cover ensuring the screw has gone through the corner hole. (Image 5)
6. Screw a leg onto the end of the screw. Do not fully tighten. (Image 5)
7. Repeat for the remaining three corner holes ensuing that you do not tighten the legs fully. (Image 7)
8. Once all legs have been attached tighten the legs fully. Do this using your finger as shown in image 8.
9. Insert the pre-coded or un-coded micro:bit into the edge connector. (Image 9)
10. Get coding!

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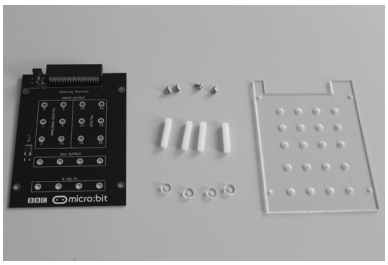
Assembly Images

1



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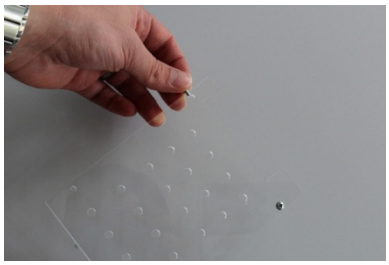

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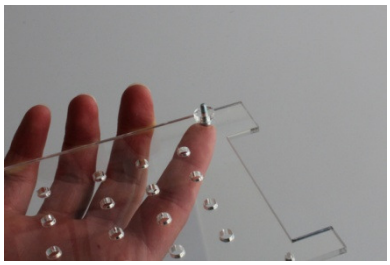

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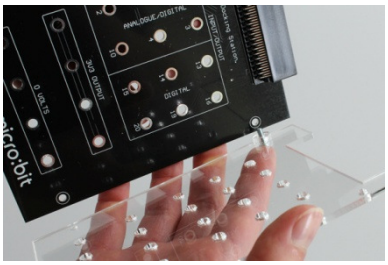

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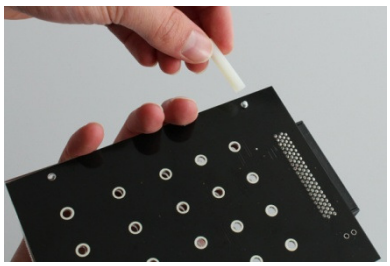

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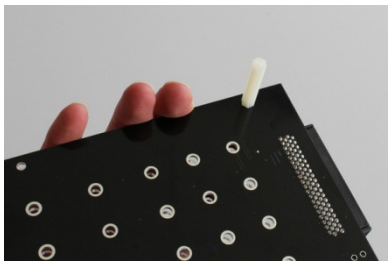

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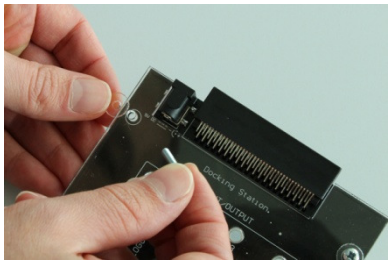

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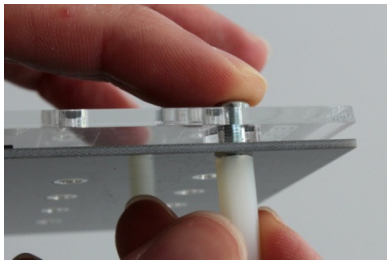

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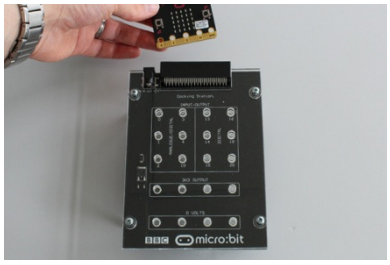

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