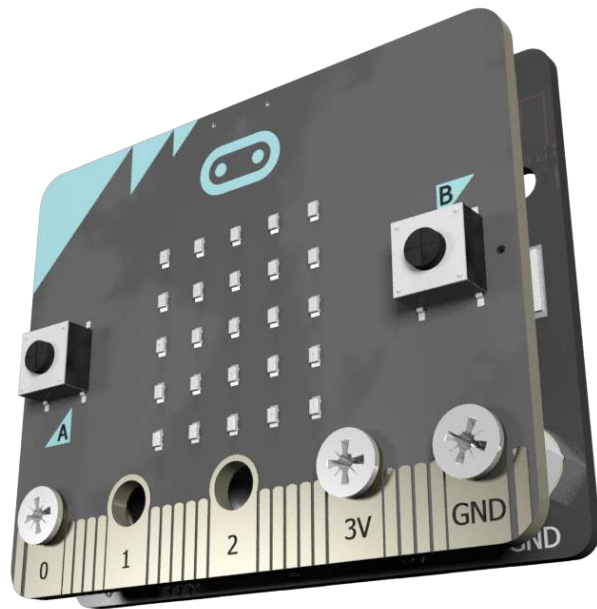


Mi-power board for the BBC micro:bit

www.kitronik.co.uk/5610



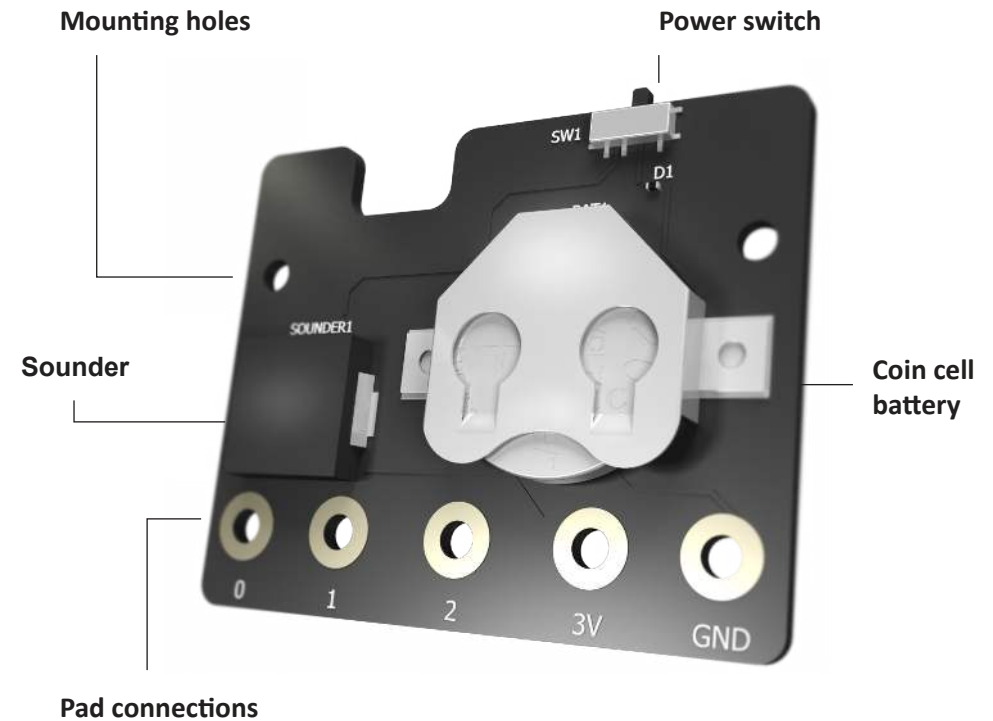
Introduction: The Mi-Power board provides a lightweight, slim profile solution to powering and adding sound to your BBC micro:bit. The board connects directly to the BBC micro:bit using the included screws, spacers and nuts. Power is supplied from a replaceable 3V CR 2032 lithium coin cell battery that is safely locked away when the unit is assembled.



Examples of board in use: Doing away with bulky AAA batteries provides many new and exciting possibilities for your BBC micro:bit. How about a BBC micro:bit belt buckle or watch? The low profile MI-power board assembly makes adding the BBC micro:bit to your wearable projects that much easier.

Assembly: Assembly instructions are included in page 2 of this guide.

Layout:



Technical information: The included CR 2032 Lithium battery has a capacity of 200mAh which depending on use should last up to 20 hours. The on-board sounder can output frequencies from 200Hz to 10kHz at volumes over 75dB! The sounder is connected to P0. P1 and P2 are not used.

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Assembly instructions

Push screws through pins 0, 3V and GND on the BBC micro:bit. Screw on spacers.



Spacers can be hard to screw into place, use pliers to help you.

1

2



Line up the MI:power board with the screws, the sounder should face the back of the BBC micro:bit.

Screw the nuts onto the end of each screw to hold the board in place.



3

4



Flip the power switch and your MI:power board should be ready to use.

Included parts

Coin cell x1

(Insert before assembly, '+' side up)

Nut x3

Washer x3

Switch x3

Assembly instructions

Tools needed:

- Philips screwdriver
- Pliers

Dimensions (+/- 0.8mm)

