MI:Pro Protector and Mountable Cases

PRT-17867/68

Description

SparkFun PRT-17867/68 MI:Pro Protectors and Mountable Cases are simple and compact protective cases for the micro:bit. These MI:pro protectors are compatible with both micro:bit V1 and the micro:bit V2. The PRT-17867 features a four-layer construction style with ability to mount a 2xAAA battery pack to the back of the case. The PRT-17868 features a three-layer construction style while providing access to all buttons and ports on the micro:bit.
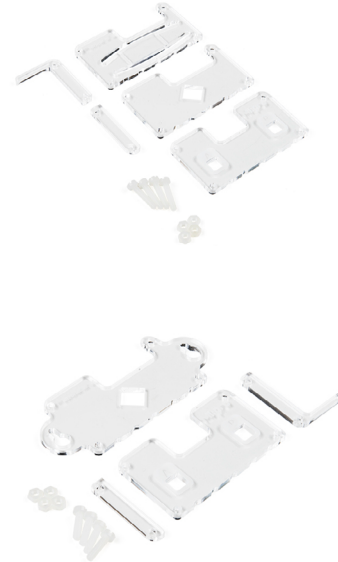
The advantage of using MI:pro protectors is to not accidentally short out the pads on the back of the micro:bit. The MI:pro protectors case enables easy access to the edge pins at the bottom of the micro:bit while allowing them to be plugged into an edge connector. The PRT-17867/68 cases come with a clear case material that shows the onboard LEDs in perfect clarity.

Features

- Provides protection to the BBC micro:bit whilst allowing access to the bottom pins
- Full access to the A and B buttons on the BBC micro:bit
- Full access to pins and connections including the micro-USB connector
- Clear case material shows the on-board LEDs in perfect clarity
- The case is compatible with versions 1 and 2 of the micro:bit
- RoHS compliant
- PRT-17867:
  - Attach a battery cage to the rear of the case with the supplied sticky fixer
  - When used in conjunction with a battery holder, micro:bit projects can be fully mobile

Specifications

- PRT-17867:
    - Dimensions:
        - 65mm length
        - 37mm width
        - 12mm depth (without screws)
        - 18.5mm depth (with screws)
    - When used in conjunction with a battery holder, micro:bit projects can be fully mobile
- PRT-17868:
    - Dimensions:
        - 65mm length (minus the mounting brackets on the side)
        - 91mm length (with the mounting brackets on the side)
        - 37mm width
        - 9mm depth (without screws)
        - 14mm depth (with screws)

Kit Contents

- PRT-17867:
    - 4 x M3 cheese head nylon machine screw
    - 1 x Sticky fixer pad
    - 4 x M3 nylon full nut
    - Laser-cut parts:
        - 1 x Back mounting plate
        - 2 x Mid-layer parts
        - 1 x Mid-layer plate
        - 1 x Front plate
- PRT-17868:
    - 4 x M3 cheese head nylon machine screw
    - 1 x Front plate
    - 4 x M3 nylon full nut
    - 1 x Back mounting plate
    - 2 x Mid-layer plate

Additional Resource

- [Assembly guide 17867](#)
- [Assembly guide 17868](#)

Mouser Part Numbers

View All Parts

To learn more, visit https://www.mouser.com/new/sparkfun/sparkfun-mi-pro-prt-17867-68-cases/