



## GROVE SHIELD FOR MICRO:BIT V2.0

SKU 103100063

### Description

micro:bit is a pocket-sized microcontroller designed for kids and beginners learning how to program, letting them easily bring ideas into DIY digital games, interactive projects and robotics. The Grove shield for micro:bit is a plug-and-play grove extension board for micro:bit, the shield acts as a bridge for micro:bit and our grove system, which provides hundreds of different grove modules including sensor, actuator, communication, display etc. that will broaden micro:bit's ability in creating more projects easily and quickly.

As an extension board, the grove shield for micro:bit integrated 4 grove connectors on board and reserves extra 4 pin outs if users need more grove connector. Apart from that, we have also reserved some pinout that has special functions such as P0, P1, P2 that have touch function, so that you can build project like fruit piano. Or you can simple use crocodile clip to connect the pinout, just like what you can do on micro:bit. Thirdly, with the on-board micro USB interface, you can power micro:bit from the grove shield.

The Grove Shield for micro:bit v2.0 is the update version of Grove Shield for micro:bit . According to the feedback from our users, we made mechanical adjustments to the board, making it work more stable and more pretty.

The specific changes are as follows:

- 1- Change the micro:bit connector. In the new version, pins of the connector are hidden.
- 2- Move the electrical components from the back of the board to the front. So that we can avoid damage to components on the board due to friction with the table.

If you don't know how to get started with this shield, have no idea which grove modules to use, don't worry, we have already prepared a Grove Inventor Kit for micro:bit which contains this grove shield and other 8 groves that can let you getting getting started.

## Features

- 4 Grove ports to cover different interfaces
- Edge connectors for crocodile clip and 4mm banana plugs
- On-board USB port to power up your micro:bit

## Technical Details

Weight	G.W 27.5g
Battery	Exclude
DC Interfaces	Micro USB x1
Grove Interface	P0/P14,P1/P15,P2/P16,I2C
Grove ZERO Interface	Grove ZERO x1
Logic Interface	3V3/P0/P1/P2/P8/P12/P13/GND

### *Part List*

Grove Shield for micro:bit v2.0	1
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