



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



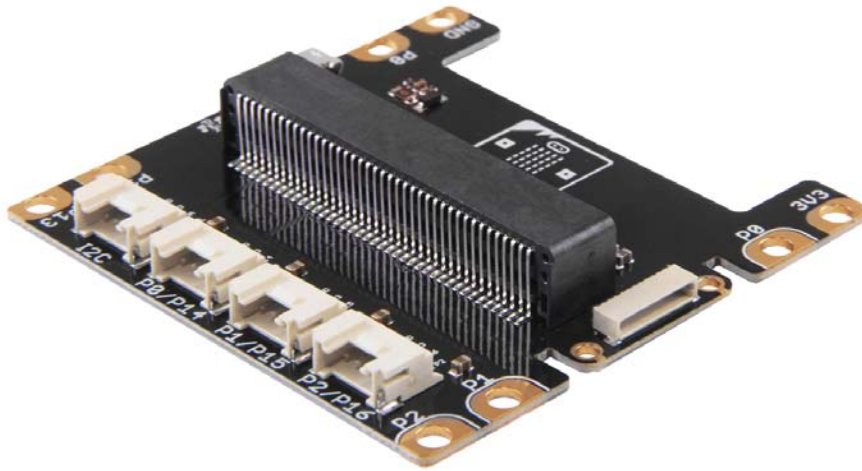
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GROVE SHIELD FOR MICRO:BIT V2.0

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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