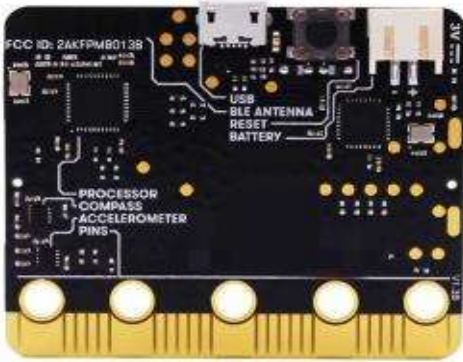


Board&Shield for Micro Bit



Supports Microsoft PXT graphical editor available on Windows, macOS, iOS and Android
 online programming, needs no more compiler download/debug your code on PC via USB
 download/debug your code on mobile devices via Bluetooth
 Supports multi popular languages like Javascript, Python, Mbed C, etc.
 Microsoft TouchDevelop IDE
 Microsoft Blocks
 CodeKingdoms Javascript
 MicroPython
 mbed enabled

1. USB Cable for Micro: bit
2. 80CM
3. The maximum current output is approximately 0.6A

Size: 70 * 32mm Fixing hole: 3mm
 Pitch: 2500 * 1000mil (63.5 * 25.4mm)
 Interface: micro: bit gold finger, 2.54mm pin
 Designed for the micro: bit breakout expansion board to facilitate the introduction of micro: bit interface. High quality custom edge connector for reliable connection of your micro: bit. With a breakout you can connect all 21 GPIOs to your breadboard for easy experimentation.

1. Straight pin version: Straight pin has been welded, suitable for use with the breadboard.
2. Looper version: the needle has been rowing row, suitable for use with DuPont line.

Micro:bit V1.5 Pocket-Sized Computer for Beginners to Learn Programming

Order Quantity

Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs

USB Cable for Micro: bit

Order Quantity

Sample(20-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs

expansion board and Breakout adapter board for Micro: bit

Order Quantity

Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



In order to facilitate micro bit to develop board wiring, we specially designed this expansion board. All the pins and power supply of the micro bit development board have been drawn to the pins on the edge of the expansion board. You can use dupont wire to connect the micro bit development board to other components.
 Input voltage: DC 3V
 Pin spacing: 2.54mm
 Size: 70 *34 * 12 mm

Breakout board expansion board for micro bit (RED)

Order Quantity

Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



In order to facilitate micro bit to develop board wiring, we specially designed this expansion board. All the pins and power supply of the micro bit development board have been drawn to the pins on the edge of the expansion board. You can use dupont wire to connect the micro bit development board to other components.
 Input voltage: DC 3V
 Pin spacing: 2.54mm
 Size: 70 *34 * 12 mm

Breakout board expansion board for micro bit

Order Quantity

Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



Process: high quality PCB sheet, immersion gold process, special interface socket, reliable quality
 Size: 58 * 26mm
 Hole distance / fixing hole: 2500 * 1000mil (36.5 * 25.4mm) / 3mm
 Interface: micro: bit gold finger, 2.54mm pin

mini Breakout board expansion board for micro bit

Order Quantity

Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



Size: 75.96*40.35mm
 Fixing hole: 3mm
 Pitch: 69*24mm
 Interface: micro:bit gold finger, 2.54mm pin header
 An expansion board specially developed for micro:bit, which facilitates IO to extract all interfaces of micro:bit. expanding board
 All 21 GPOs can be attached to the breadboard for easy experimentation.

GPIO Breadboard Expansion Board Breakout Adapter Plate for micro:bit

Order Quantity

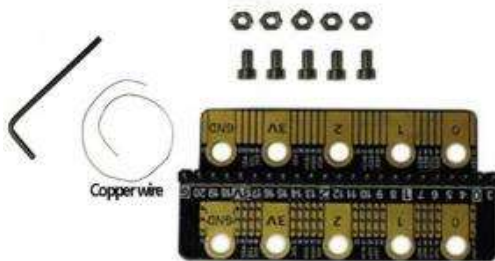
Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



By pressing the screws and installing the expansion board, it is inevitable that there will be poor contact.
 This kit has multiple protections to prevent poor contact between the driver board and micro:bit
 Hexagon socket head cap screws, with the gift of the Allen key, hard to twist the wire
 The immersion process is easier to contact effectively

GPIO expansion board for Micro: bit

Order Quantity

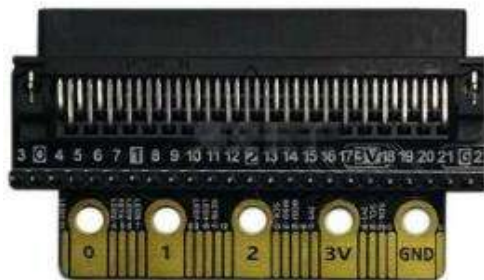
Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



BBC micro: bit GPIO Expansion Board B is plugged in for ease of use

GPIO expansion board for Micro: bit

Order Quantity

Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

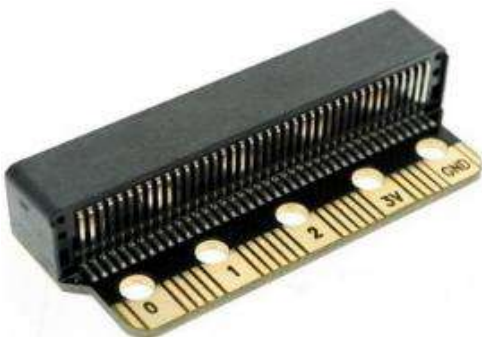
>5000pcs



The expansion board customized for micro:bit leads to all interfaces of micro:bit;
 The factory has been welded 1*23 2.54mm single-row pin for easy expansion. Connect the peripheral circuit and insert it directly onto the breadboard;
 Reserved RGB full color light interface
 Onboard buzzer
 Can be creative colorful music light show



1. Microbit expansion board IOBIT micro:bit teaching programming horizontal adapter board onboard passive buzzer
2. All IO ports are extracted
 Bring your own buzzer
 With compatible LEGO pin holes
 3Pin interface of yellow red and black



Interface corresponding
 The gold finger on the adapter board is identical to the gold finger on the micro:bit development board, and the development board will be Insert into the adapter board, you can use the adapter board to complete a variety of experiments and tests, a good guarantee
 Protected the development board with gold fingers.

**GPIO expansion board
 adapter board for
 Micro: bit**

Order Quantity

Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs

**breadboard
 experiment adapter
 plate for Micro: bit**

Order Quantity

Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs

**development board
 gold finger adapter
 board for Micro: bit**

Order Quantity

Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



The micro:bit intelligent robot is equipped with a variety of components and sensors for micro:bit learning. The expansion board adopts vertical slot structure, standard 8-way I/O wiring, onboard 4 RGB programming lights, 8-way servo interface, tracking module interface, on-board passive buzzer, infrared remote control receiver, DC motor / stepper motor interface, can drive 4 DC motor / 2 stepper motor, even if you don't play robot, the expansion board is also a function Rich micro:bit experimental platform.

Product size: 76mm*65mm;
 PCB board thickness: 1.5MM;
 Programming method: based on scratch3.0/makecode/python

expansion board python for Micro: bit

Order Quantity

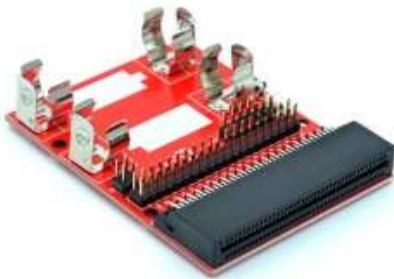
Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



In order to facilitate the wiring and power supply of the micro bit development board, we specially designed this expansion board. The expansion board comes with two interfaces, which can be connected to two AA batteries, each powering 1.5V. The extension board comes with a DIP switch for controlling power input. During the experiment, we used a double-ended JST-PH2.0MM-2P 24AWG red and black cable to connect the expansion board and the micro bit development board to power the micro bit development board.

PCB size: 78 * 58 * 20mm
 Battery voltage: DC 1.5V
 Cable length: 170mm
 Input voltage: DC 3V

Power supply expansion board module for Micro: bit

Order Quantity

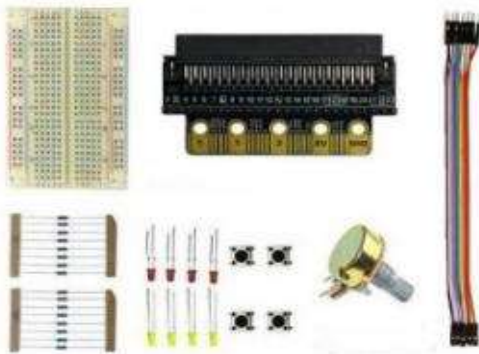
Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



Kit List

- Micro: bit expansion board (B)
- 400-hole Breadboard
- 1K resistance
- 10K resistance
- 5mmLED red

Qty

GPIO Expansion Board B Starter Kit for Micro: bit

Order Quantity

Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

	5mmLED yellow	4	>5000pcs
Kit List	Qty Touch the key switch	4	
Adjustable resistance	1 DuPont male to female	10	

Kit List



2AAA Batteries Storage Box

400-hole Breadboard

5mmLED red

5mmLED yellow

5mmLED green

5mmLED blue

Kit List

Qty

Full color RGB common

Micro: bit board

1

Active buzzer

Micro: bit USB cable

1

Passive buzzer

T-type Adapter module

1

adjustable Potentiometer 10K

9G Micro Servo Motor

1

LM35DZ TO-92 temperature sensor

One digital tube

1

1K resistance

Resistance card

1

10K resistance

Button + button cap

4

220R resistance

Qty

**Starter Learning Kit for
Micro: bit**

Order Quantity

1

Sample(5-50pcs)

5

51-100pcs

5

101-1000pcs

5

1001-5000pcs

5

>5000pcs

Kit List

1

LDR 5516 photoresistor

1

Male to Male wire cable

1

SW-520D ball
switch/switch tilt switch

1

Flame Sensor

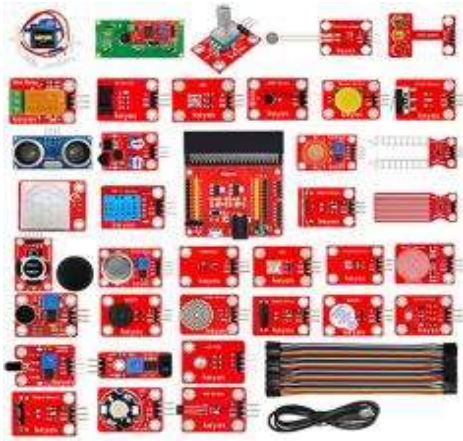
10

Thermistor

10

Plastic packing box

10



Kit List

- Straw hat module
- Temperature Sensor
- Button sensor
- Collision sensor
- Ultrasonic sensor module
- Obstacle avoidance sensor

Qty	Python Graphical Programming Sensor Kit for Micro: bit
1	Order Quantity
1	Sample(5-50pcs)
1	51-100pcs
1	101-1000pcs
1	1001-5000pcs
1	>5000pcs

Kit List

Qty

- Alcohol sensor module
- UV sensor
- Soil sensor
- Human infrared sensor
- Temperature and humidity sensor
- Expansion board micro bit
- Hall sensor module
- Reed switch module
- Vibration module sensor
- Active buzzer
- Flame sensor module
- Line following sensor

- 90 degree steering gear
- I2c display
- Adjustable potentiometer module
- Membrane pressure sensor
- Traffic light module
- 1 relay module
- Light break sensor
- Capacitive touch sensor
- Sound sensor
- Passive buzzer module
- Water Drop Water Vapor Sensor

Kit List

- Water level sensor
- Female to Female Dupont Line
- Rocker module sensor
- Smoke sensor module
- Light sensor
- Piranha LED Module
- Photoresistor sensor
- Plug-in RGB module
- Tilt module sensor
- LED module



T expansion adaptor designed for micro:bit and extended the pin arrangement interface with a spacing of 2.54mm for micro:bit to facilitate various experiments

Product features:

Onboard Micro:bit interface, which can be inserted directly;

Lead out the control pin of the module and the pin on Micro: bit, which is convenient for extended use;

Micro USB program burn/power supply: 5V;

Working voltage: DC 3.3v;

Overall dimension :57*64*19mm;

Pin spacing: 2.54mm.

**T-type Adapter
Onboard Comes with
Interface Pins
micro:bit Fully
Compatible Python
Programming for
Micro: bit**

Order Quantity

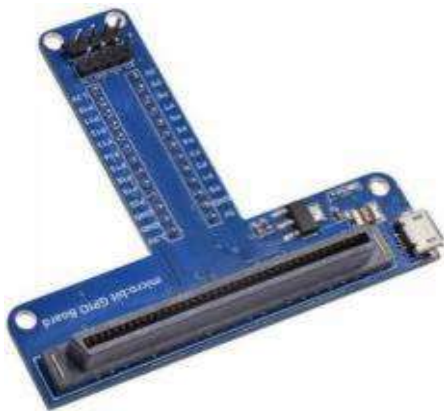
Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



Micro:bit T type GPIO expansion board programming teaching BBC micro:bit bread board experiment adapter board

**T type GPIO expansion
board for Micro: bit**

Order Quantity

Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



T expansion adaptor designed for micro:bit and extended the pin arrangement interface with a spacing of 2.54mm for micro:bit to facilitate various experiments

Product features:

Onboard Micro:bit interface, which can be inserted directly;

Lead out the control pin of the module and the pin on Micro: bit, which is convenient for extended use;

Micro USB program burn/power supply: 5V;

Working voltage: DC 3.3v;

Overall dimension :57*64*19mm:

**T-Type Adapter
Breakout Board for
BBC micro:bit
(black)**

Order Quantity

Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs



3.3V-5V voltage conversion is more stable;
 Onboard Micro:bit interface, which can be inserted directly;
 Lead out the control pin of the module and the pin on Micro: bit, which is convenient for extended use;
 Micro USB program burn/power supply: 5V;
 Working voltage: DC 3.3v;
 Overall dimension :57*64*19mm;
 Pin spacing: 2.54mm.

T adapter adapter board Python programming maker for BBC micro:bit

Order Quantity

Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



Description:
 Micro:bit prototype breakout board V1 is particularly designed for micro:bit main board. It breaks out all the pins of micro bit development board in the form of female header, easy for circuit building using micro bit.
 Onboard comes with several round welding holes. Also provide a 400 tie-point breadboard for you to build the test circuit, easy to modify. Or you can directly weld the test circuit on the universal panel on the breakout board. It is very convenient to connect the female headers and jumper wires. A good choice for adding circuit prototype.
 It integrates into the power module, which can directly power up the micro:bit board and add the load capacity.

Prototype Breakout Board Universal Panel Development Board With Breadboard Python Graphical Programming for Micro: bit

Order Quantity

Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs

Features:
 Power Input: DC 5-9V
 Output Voltage: 3.3V
 Micro:bit Compatible, plug and play;
 Clear label and simple appearance;
 With delicate breadboard, separable and sticky, easy to use.

Description:

Micro:bit prototype breakout board V1 is particularly designed for micro:bit main board. It breaks out all the pins of micro bit development board in the form of female header, easy for circuit building using micro bit.

Onboard comes with several round welding holes. Also provide a 400 tie-point breadboard for you to build the test circuit, easy to modify. Or you can directly weld the test circuit on the universal panel on the breakout board. It is very convenient to connect the female headers and jumper wires. A good choice for adding circuit prototype.

It integrates into the power module, which can directly power up the micro:bit board and add the load capacity.

Features:

Power Input: DC 5-9V

Output Voltage: 3.3V

Micro:bit Compatible, plug and play;

Clear label and simple appearance;

With delicate breadboard, separable and sticky, easy to use.

Two power input mode: black DC head input DC 7-9v

Micro USB interface input DC 5V

Two kinds of voltage output selection: V1 V2

jumper cap connection selection voltage output 3.3v and 5V are available

It comes with a power indicator

Extend all PIO of micro bit control board to 3PIN interface

Lead out a serial communication interface

Lead out 1 I2C communication interface

Lead out 1 SPI communication interface

Size: 65 x56x15mm



Prototype extension board Python graphical programming for micro bit

Order Quantity

Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs

Compatible with 3.3V 5V Python programming extension board V2 for micro bit

Order Quantity

Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



Two power input mode: black DC head input
DC 7-9v
Micro USB interface input DC 5V
Two kinds of voltage output selection: V1 V2
jumper cap connection selection voltage output
3.3v and 5V are available
It comes with a power indicator
Extend all PIO of micro bit control board to
3PIN interface
Lead out a serial communication interface
Lead out 1 I2C communication interface
Lead out 1 SPI communication interface
Size: 65 x56x15mm

**Compatible with 3.3V
5V Python
programming
Extension board V2 for
micro bit (RED)**

Order Quantity

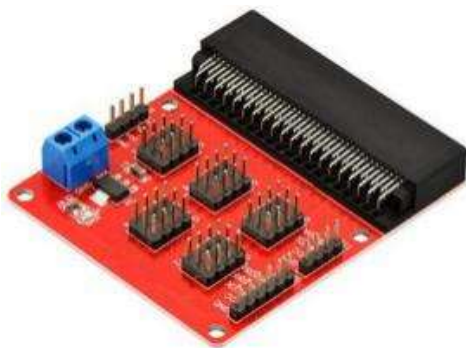
Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



To easily connect the micro bit development board to other sensors or modules, we specially design this extension board.
Onboard integrates into a power module, which can directly power up the micro:bit board and add its load capacity. At the same time, it expands the IO port on micro BIT board in the form of servo line sequence (G,V, S). It also specially designs the I2C communication interface, serial communication and SPI communication interface, easy for various communications.
Specification:
Input voltage: DC 5-9V
Output voltage: DC 3.3V

**Sensor Breakout
Board for Python
Programming DIY
Breakout Board for
Micro: bit**

Order Quantity

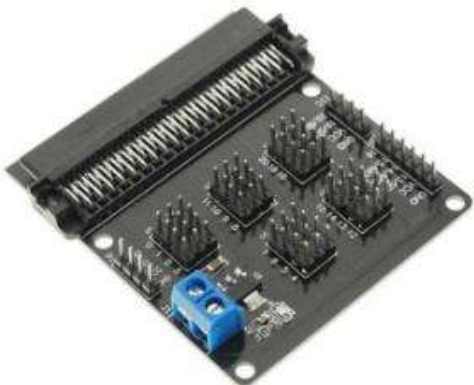
Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



To easily connect the micro bit development board to other sensors or modules, we specially design this extension board.
Onboard integrates into a power module, which can directly power up the micro:bit board and add its load capacity. At the same time, it expands the IO port on micro BIT board in the form of servo line sequence (G,V, S). It also specially designs the I2C communication interface, serial communication and SPI communication interface, easy for various communications.
Specification:
Input voltage: DC 5-9V

**Sensor Breakout
Board for Python
Programming DIY
Breakout Board for
Micro: bit (black)**

Order Quantity

Sample(5-50pcs)

51-100pcs

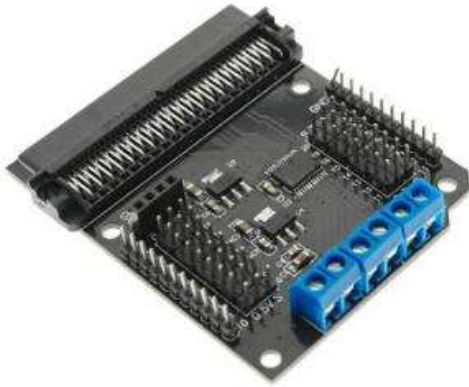
101-1000pcs

1001-5000pcs

ENSAFCOTM

Input voltage: DC 5V
Output voltage: DC 3.3V

>5000pcs



In order to facilitate micro bit to drive dc motor, we specially designed this expansion board. Tb6612f-ng chip is assembled on the expansion board. It outputs continuous driving current up to 1.2a per channel, and the peak starting current is up to 2A/ 3.2a. PWM supports frequency up to 100kHz.

To facilitate wiring, the extension board USES the 3PiN interface to lead all pins, allowing you to connect with other sensors with a 3PiN wire. At the same time, 3.3v and 5V voltage stabilizing chips are assembled on the

Motor drive expansion plate for micro bit

Order Quantity

Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



In order to facilitate micro bit to drive dc motor, we specially designed this expansion board. Tb6612f-ng chip is assembled on the expansion board. It outputs continuous driving current up to 1.2a per channel, and the peak starting current is up to 2A/ 3.2a. PWM supports frequency up to 100kHz.

To facilitate wiring, the extension board USES the 3PiN interface to lead all pins, allowing you to connect with other sensors with a 3PiN wire. At the same time, 3.3v and 5V voltage stabilizing chips are assembled on the extension board to lead out the output

Motor drive expansion plate for micro bit (RED)

Order Quantity

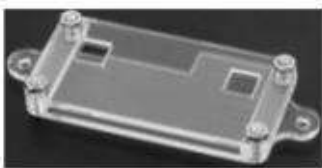
Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



Name: micro: bit acrylic protective shell

Material: Acrylic

Color: Transparent,red,black, blue

Transparent Acrylic Shell Kit For BBC Micro: bit Development Board

Order Quantity

Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



Cute: The case looks like a cute little cat head
 Easy to fit: These are easy to fit and do the job as expected. Can see the LEDs OK and get to the pins fine
 Protection: Keeps the kids from touching the board and doing damage. Don't need to watch them anymore while they are doing
 Make the LEDs are not too bright: The front face does cover the LED's so they aren't too intensely bright
 Good for starter

Color: Red, orange, blue, yellow

Silicone Case for micro:bit

Order Quantity

Sample(20-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



Size: 5.5cm*6.5cm

Material: Silicone (environmental material)

Features: cute shape and does not affect the development board

Color: Red, orange, blue, yellow

New Silicone Case for micro:bit

Order Quantity

Sample(20-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



Size: 5.5cm*6.5cm

Material: Silicone (environmental material)

Features: cute shape and does not affect the development board

Color: Red, orange, blue, yellow

Silicone Case A for micro:bit

Order Quantity

Sample(20-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



1. 3V battery pack with battery box
2. with cover
3. with switch
4. with JSTPHR2.0-2P

**2AAA Batteries
Storage Box for
micro:bit**

Order Quantity

Sample(20-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



Material Description:

1. Plastic body: LCP high temperature resistant resin, plus glass fiber 30%, fire rating UL94V-0;
2. Terminal: phosphor copper, T = 0.25;
3. Fixed copper pillar: brass alloy.

Plating requirements:

1. Terminal contact area is gold plated 3u "min, soldering area is tin plated 80u" min, nickel bottom

50u "min;

2. The surface of the fixed solder pad is tinned 80u "min, nickel bottom 50u" min.

**Vertical socket
connector for
micro:bit
(Black or blue or red
or yellow)**

Order Quantity

Sample(20-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



Material Description:

1. Plastic body: LCP high temperature resistant resin, plus glass fiber 30%, fire rating UL94V-0;
2. Terminal: phosphor copper, T = 0.25;
3. Fixed welding lug: brass alloy, T = 0.30;

Plating requirements:

1. Terminal contact area is gold plated 3u "min, soldering area is tin plated 80u" min, nickel bottom

50u "min;

2. The surface of the fixed solder pad is tinned 80u "min, nickel bottom 50u" min.

**Horizontal slot
connector for
micro:bit
(Black or blue or red
or yellow)**

Order Quantity

Sample(20-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs



Onboard IO device: passive buzzer, 4 programmable RGB lights
 Motor interface: four-way DC motor (voltage is taken from battery, current 1-3A), two-way stepper motor interface
 Servo interface: eight-way servo
 Expansion interface: 17Pin expansion IO port, serial port 1, IIC interface 1, 10Pin alligator clip interface
 Protection scheme: reverse connection protection, low voltage protection, over current protection
 Special socket: mcro.bit gold finger interface 1
 Power supply interface: 18650 battery holder,

Servo Develop driver board expansion board for micro:bit

Order Quantity

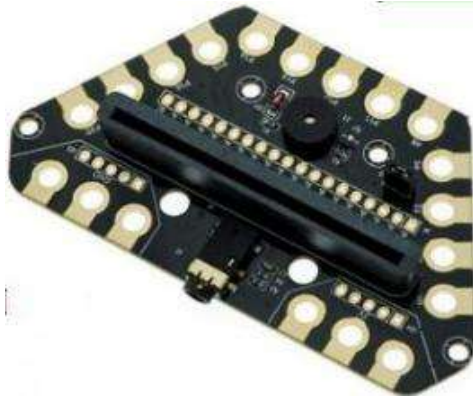
Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



1. Lead out 13 alligator clip IO port / 3 sets of alligator clip power supply, with audio output.
2. The expansion board leads to 13 interfaces that do not conflict with the micro:bit development board IO, making it easy to connect the alligator clips and complete interesting experiments.
3. The expansion board is designed with a passive buzzer and a 3.5mm headphone jack. After programming through the micro:bit development board, the buzzer/3.5mm headphone can output music. The Python programming can also realize the English voice of the headphone jack.
4. The expansion board is designed with building block mounting holes and is compatible with LEGO and other building blocks.

Alligator Clip Expansion Plate and Gold Finger Adapter Plate with Audio for micro:bit

Order Quantity

Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



- 1: Use voltage: DC5V
- 2: Quiescent current: <2mA
- 3: Output high level: 5V
- 4: Output low level: 0V
- 5: Induction angle: <15 degrees
- 6: Detection distance: 500cm
- 7: High precision: 0.3cm
- 8: Product size: 54*42mm

On-board wiring: VCC, TRIG (control terminal), ECHO (receiver), GND

Ultrasonic module sensor for micro:bit

Order Quantity

Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



1. Power supply mode: USB power supply, power supply voltage 5V (+/-0.5V);
2. Power function: power switch, power indicator;
3. Voltage regulator circuit function, with 3.3V/500mA load
4. Overcurrent protection function (onboard self-recovery fuse)
5. Audio function: a buzzer, a headphone jack
6. Two programmable colorful RGB lights;
7. Onboard a photosensor;
8. One way PH2.0-4Pin socket, I2C communication function

GPIO expansion board for micro:bit

Order Quantity

Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



1. Power supply mode: two 7th battery or pin header power supply (requires welding pin)
2. Rated voltage: 3.3V (built-in boost circuit, the voltage can work stably between 2-3.6V)
3. Rated current: 100mA
4. Colorful programmable lights: 3
5. Round function buttons: 3 (L/M/H button)
6. Analog piano buttons: 12 (7 white keys + 5 black keys)
7. Sound: 1 buzzer + 3.5mm audio port

Piano expansion board for micro:bit

Order Quantity

Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



- Remote control of all robots, smart cars and DIY products related to micro:bit
- Size: 107mm*77mm
- Power: 2 7-cell battery
- Onboard: buzzer, vibration motor
- Features: 4 independent buttons, one rocker potentiometer

Programmable gamepad for micro:bit

Order Quantity

Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



Dot matrix module for micro:bit green 8*16 dot matrix screen matrix display interface
 Dot matrix: 8*16 dot matrix
 Interface: IIC socket interface, 4Pin gold finger alligator clip interface
 Power supply: 3.3V-5V wide voltage input
 Size: 40mm*52mm*9mm

dot matrix module for micro:bit

Order Quantity

Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



Microprocessor: micro:bit development board;
 Programming software: JavaScript module editor (Pxt), Python editor, Android and ios mobile programming
 Input: Infrared obstacle avoidance sensor, infrared tracking sensor, infrared receiving probe
 Output: buzzer, LED light, colorful searchlight, colorful programming light
 Supply voltage: 3.7V (boost 5V, step-down 3.3V)
 Communication method: serial communication, SPI communication, IIC communication
 Charging method: Micro USB cable
 Remote control mode: infrared remote control, Bluetooth remote control
 Size: 97*76mm

Car extension board for micro:bit

Order Quantity

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1001-5000pcs

>5000pcs



Cool full color LED lights
 The light ring board carries 24 full-color LED lights, each of which can be independently set with color.
 LED lamp beads use high-brightness chips, and the lighting effect is cool in dark light.

Light ring expansion board for micro:bit

Order Quantity

Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



Size: 56*43mm
 Color: red, green and blue, three primary colors
 (can be combined into various colors)
 Input: Digital Analog Level
 Voltage: 5V
 Brightness: Highlight
 Interface: 4pin interface
 Features: steering gear rotary / copper column
 fixed

**RGB color highlight
 lamp module for
 micro:bit**

Order Quantity

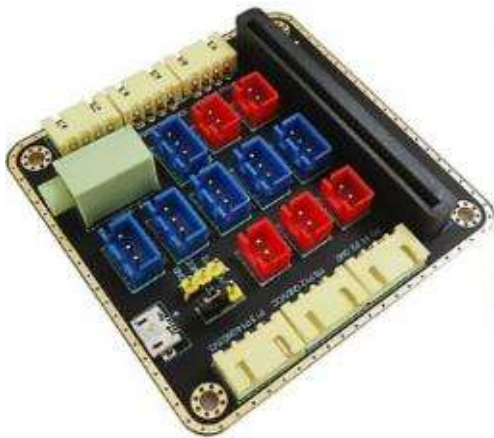
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51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs



1. Lead-out interface: P0 (audio socket), P1, P2, P8, P12, P13, P14, P15, P16, P19, P20, 3.3V, GND
2. Power Interface: The VCC on the board is powered by 3.3V or Micro USB 5P (5V). According to the voltage required by the external module. Note that you cannot select an error, otherwise the motherboard and module may be burned out.
3. Number of interfaces: Micro:bit motherboard expansion slot, 3.5 audio socket, 2.54-2P (red) / 3P (blue) / 4P (yellow) interface 5 / 6 / 6, Micro USB 5P one, 3P pin headers two.

**Python Learning Suite
 Adapter Board Module
 for Micro:bit**

Order Quantity

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101-1000pcs

1001-5000pcs

>5000pcs



The joystick extension board can be externally connected with a DC 4.75-12v to power the micro bit development board. The expansion board can be used to simulate the mouse and keyboard, and the 3V, G, P0, P1 and micro bit development board on the expansion board can be connected to the analog serial port and connected to the bluetooth device. The expansion board is mainly controlled by 6 keys and a rocker. The button is connected to the rocker and micro bit pin, in which the SELECT button is connected to P7, the MODE button is connected to P6, the UP button is connected to P10, the LEFT button is connected to P11, the RIGHT button is connected to P9, the DOWN button is connected to P8, the X-axis of the rocker is connected to P4, the Y-axis of the rocker is connected to P3, and the z-axis of the rocker is connected to P5. When used, we control the external device by reading the above interface status.

Input voltage: DC 4.75-12v
 Size: 150 * 47 * 35 mm

Joystick wireless gamepad expansion board for micro bit

Order Quantity

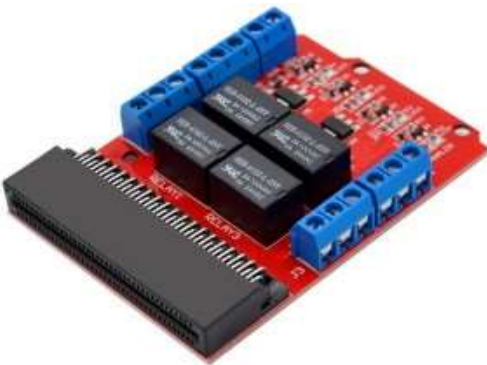
Sample(5-50pcs)

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101-1000pcs

1001-5000pcs

>5000pcs



The relay expansion board integrates 4 5V relay modules in one. It is fully compatible with the micro bit development board. When working, you only need to plug the micro bit development board into the Keyes micro bit relay expansion board, and input DC 5V at the relay VIN GND port. The voltage can be simple and convenient. The four relays on the expansion board are active high. The four relay control terminals are connected to P4, P3, P7, and P6 of the micro bit development board. We only need to control the high and low levels of the outputs of P4, P3, P7, and P6. You can control the switching of the 4-way relay.

Input voltage: DC 5V
 Working mode: active high
 Contact capacity: AC120V / 3A DC24V / 3A

5V 4 Channel Relay Board High Level Trigger Expansion Board for micro bit

Order Quantity

Sample(5-50pcs)

51-100pcs

101-1000pcs

1001-5000pcs

>5000pcs