



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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## SparkFun Inventor's Kit Bridge Pack for micro:bit

**KIT-14719** Open Source Hardware

Do you own a micro:bit or micro:bit Go Bundle and want to expand your skills with the new microcontroller? You are in luck! The SparkFun Inventor's Kit Bridge Pack for micro:bit was designed to provide you with an easy way to transform your m:b into a full fledged learning kit! Each Bridge Pack includes all of the parts found in the SIK for micro:bit that aren't included with the Go Bundle. With the SIK Bridge Pack for micro:bit you will be able to complete circuits that will teach you how to read sensors, move motors, build Bluetooth® devices and more.

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*The micro:bit is a pocket-sized computer that lets you get creative with digital technology. Between the micro:bit and our shield-like bit boards you can do almost anything while coding, customizing and controlling your micro:bit from almost anywhere! You can use your micro:bit for all sorts of unique creations, from robots to musical instruments and more. At half the size of a credit card, this versatile board has vast potential!*

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**Note:** The Bridge Pack is NOT a full SparkFun Inventor's Kit and only includes the parts to complement a micro:bit Go Bundle or standalone board. That also means that this kit does **not** include a micro:bit, which will need to be purchased separately.

## INCLUDES

- SparkFun micro:bit Breakout (with Headers)
- Full-Size Breadboard
- Small Servo
- TMP36 Temperature Sensor
- Photocell
- USB Micro-B Cable — 6 Foot
- Jumper Wires
- Alligator Clips with Pigtails
- RGB Diffused LED
- Red, Blue, Yellow and Green LEDs
- 10K Trimpot
- Multicolor Button — 4-pack
- SPDT Mini Power Switch
- Mini Speaker
- 100 Ohm Resistors (Thick Leads)
- 10K Ohm Resistors (Thick Leads)

## EXAMPLES

- Circuit 0: Hello, micro:bit!
- Circuit 1: Blinking an LED
- Circuit 2: Reading a Potentiometer
- Circuit 3: Reading a Photoresistor
- Circuit 4: Driving an RGB LED
- Circuit 5: Reading an SPDT Switch
- Circuit 6: Reading a Button Press
- Circuit 7: Reading the Temperature Sensor
- Circuit 8: Using a Servo Motor
- Circuit 9: Using a Buzzer
- Circuit 10: Using the Accelerometer
- Circuit 11: Using the Compass