

# Inventor's Kit Bridge Pack for micro: bit

KIT-14719

## Product Overview

12-22-2021

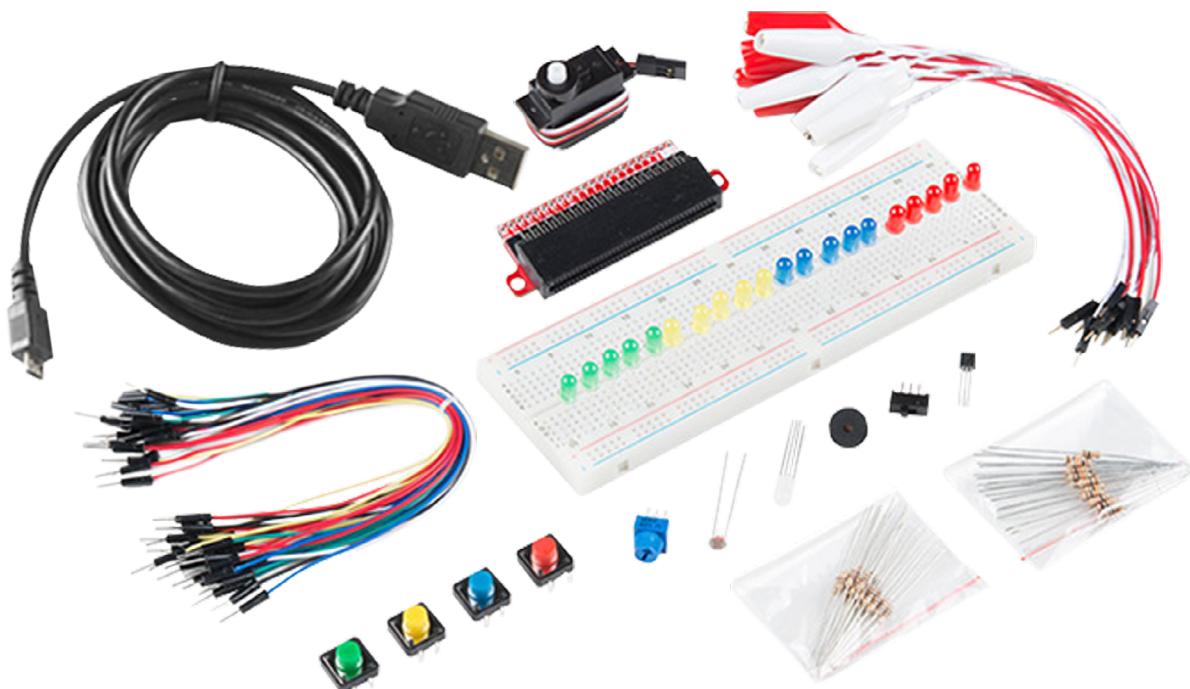
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## Description

SparkFun KIT-14719 Inventor's Kit Bridge Pack for micro:bit provides an easy way to transform the micro:bit Single Board Computer (SBC) into a full-fledged learning kit. This bridge pack includes all of the parts found in the Inventor's Kit (SIK) for micro:bit that are not included with the micro:bit GO Bundle. The SIK bridge pack enables the user to complete circuits that teaches how to read sensors, move motors, build Bluetooth® devices, and more.

## Kit contents

- Micro: bit breakout (with headers)
- Full-size breadboard
- Small servo
- TMP36 temperature sensor
- Photocell
- 6-foot USB micro-B cable
- Jumper wires
- Alligator clips with pigtails
- RGB diffused LED
- Red, blue, yellow, and green LEDs
- 10K trimpot
- 4-pack multicolor button
- SPDT mini power switch
- Mini speaker
- 100Ω resistors (thick leads)
- 10KΩ resistors (thick leads)



## Applications

- **Circuit examples:**
  - Hello, micro: bit!
  - Blinking an LED
  - Reading a potentiometer
  - Reading a photoresistor
  - Driving an RGB LED
  - Reading an SPDT switch
  - Reading a button press
  - Reading the temperature sensor
  - Using a servo motor
  - Using a buzzer
  - Using the accelerometer
  - Using the compass

## Specifications

- [SparkFun moto:bit Carrier Boards](#)
- [SparkFun Inventor's Kits for micro:bit v2](#)

## Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/sparkfun/sparkfun-kit-14719-bridge-pack/>