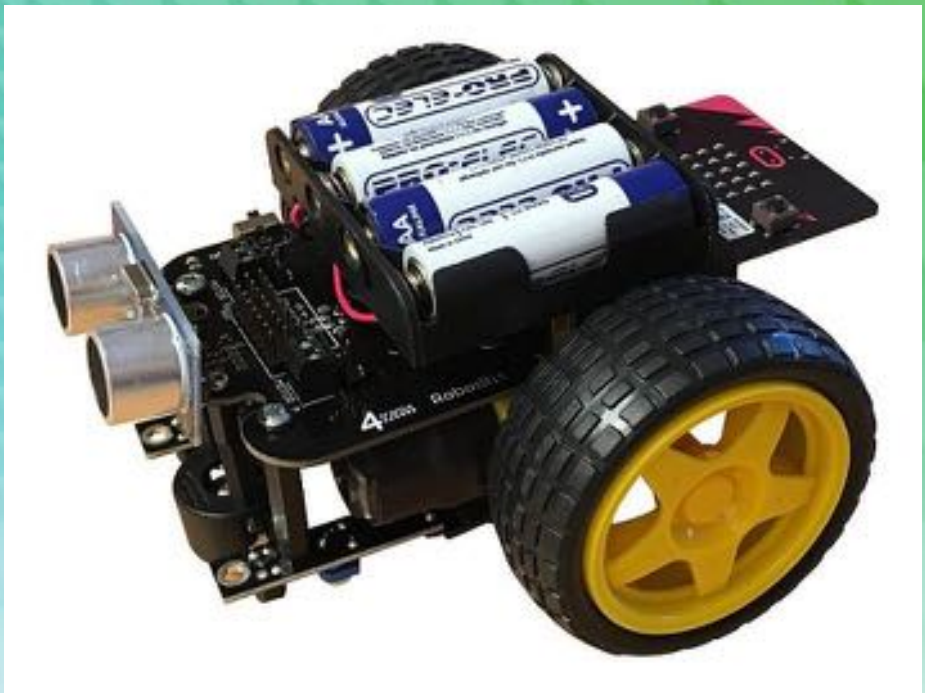
Accessory Guide Summer 2018

Robo:Bit Buggy



Robo:Bit Buggy for the micro:bit

This little buggy can be assembled very quickly using only a screwdriver. No soldering is required.

It comprises several packs that are also available separately:
Robo:Bit robotics controller PCB
Fixings pack (battery holder, screws, mounting pillars, caster, etc.)
Wheels Motors and wheels
Optional extra: Line sensor pack
Optional extra: Ultrasonic distance sensor module
Optional extra: McRoboFace - simply push the 4-pin connector of the McRoboFace into the 4 holes at the front of the Robo:Bit

Company:	4tronix
URL:	www.4tronix.co.uk
Connection Type:	Uses whole Edge Connector

Bit:Bot

Bit:Bot for the BBC micro:bit

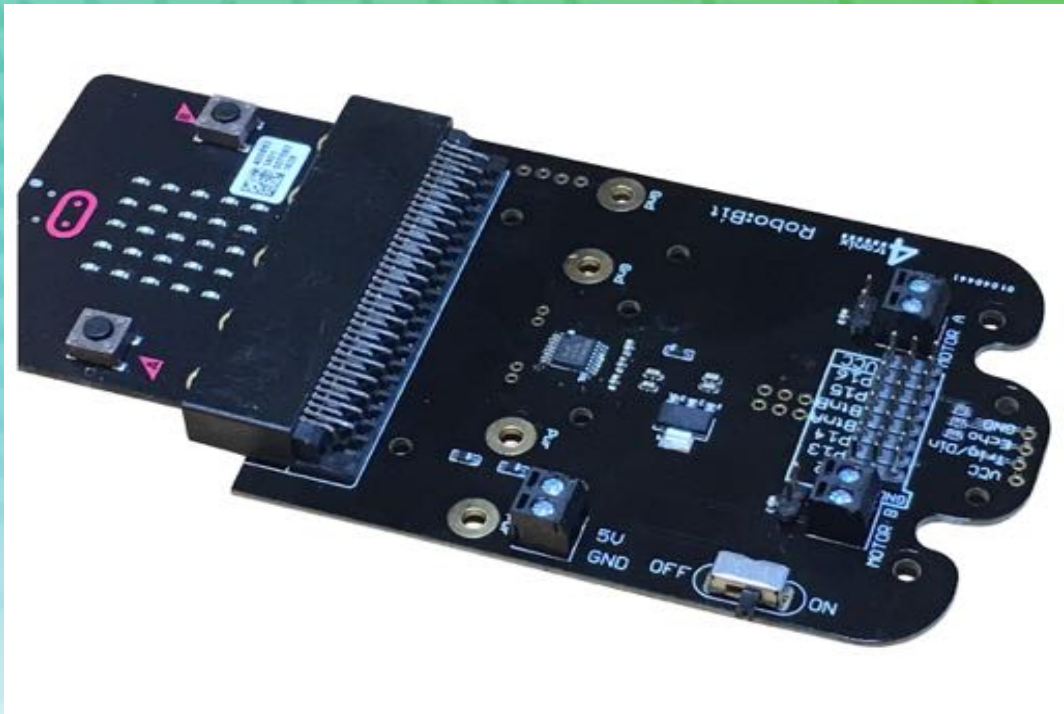
The (almost) ready-assembled Bit:Bot fully engages children and adults alike, allowing you to explore and code the BBC micro:Bit using any of the languages available (not all features are supported in all languages).
Check out these features:

- 2 micro-metal gear motors. Both fully controllable in software
  Wheels with rubber tyres for maximum grip
  Really smooth metal ball front caster
  12 mini neopixels in 2 sets of 6 along the arms either side, each individually controllable

And so much more, including 2 digital line following sensors, 2 analog light sensors (front left and front right) and a Buzzer.

Company:	4tronix
URL:	www.4tronix.co.uk
Connection Type:	Uses whole Edge Connector

Robo:Bit



Robo:Bit for the BBC micro:bit

This robotics controller enables you to quickly and safely build your own small robot with it's built in voltage regulator, motor driver, ultrasonic sensor interface and general purpose connections using GVS (Ground Volts, Signal) connectors.
The Robo:Bit is ready assembled and no soldering is required. It is ideal to use with your own small motors and wheels, but we also provide fittings kits, motors and wheels to make a complete robot. A complete Robo:Bit buggy kit is also available.

Company:	4tronix
URL:	www.4tronix.co.uk
Connection Type:	Uses whole Edge Connector

Angle:Bit

Angle:Bit for the BBC micro:bit

This great little adaptor lets you change the oritentation of your BBC micro:bit from horizontal to vertical, or vice versa.

As an added bonus, the edge connector is wired so that you can insert the micro:bit either way round so you can decide whether you want the LEDs facing forwards or backwards (or up or down).

The design is very compact so it can fit in most accessories. It is particularly useful for Bit:Bot as it allows the micro:bit to be accessed easily even when the ultrasonic sensor is fitted.

Company:	4tronix
URL:	www.4tronix.co.uk
Connection Type:	Uses whole Edge Connector

Playground

Playground for the BBC micro:bit

This is an exciting new way to use your BBC micro:bit, without requiring crocodile clips which can be difficult for small (and large) people to use.
This new approach allows the use of a single cable for most addons (Gizmos), instead of 3 crocodile clips. It also includes a built-in battery holder so you can use your micro:bit on the go.
There is a large and growing range of Gizmos including buttons, sensors, LEDs, servos and more. All can be connected via a single cable. Simple, tidy, educational.

Company:	4tronix
URL:	www.4tronix.co.uk
Connection Type:	Connects to the back of the board

Bit:2:Pi

Bit:2:Pi for the BBC micro:bit

The Bit:2:Pi enables you to re-use all those hundreds of Raspberry Pi add-on boards and HATs.
Available as a kit or fully assembled. Simply plug your micro:Bit into the edge connector and the required Raspberry Pi Hat onto the GPIO connector, then program your micro:Bit to control the new board. Most Raspberry Pi boards are very simple to program as they are controlled by simple on/off signals on the GPIO connector which are easily copied in the micro:bit. We have also used Neopixel hats (eg. Unicorn from Pimoroni) with great success and are happily communicating via I2C as well.
Optionally you can add a battery connector with 3.3V regulator so the micro:bit and Hat can be used without wires.

Company:	4tronix
URL:	www.4tronix.co.uk
Connection Type:	Uses whole Edge Connector

Bit:Commander

Bit:Commander for BBC micro:bit

The Bit:Commander is a great device for powering and experimenting with the BBC micro:bit.

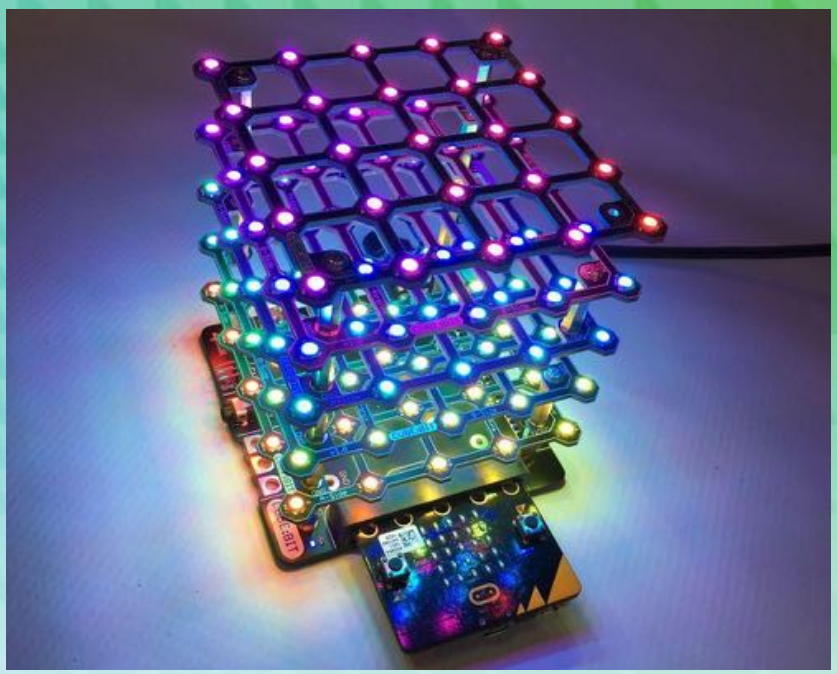
As well as a battery pack (3 x AA batteries required), the Bit:Commander includes; Edge Connector for easy connection of the BBC micro:bit, Robust on/off switch, Blue power indicator, 6 multi-colour RGB LEDs (aka neopixels), 4 square 12mm push buttons with coloured caps (Red. Yellow, Green, Blue), Analog dial input with centre click detent for easy centering, Analog Joystick with X and Y movement and a push switch, Powered miniature speaker.

Suggested uses; Acting as a remote control for another micro:bit device, such as a Bit:Bot, Acting as a self-contained portable (no wires) games console, Experimenting with various Digital and Analog inputs available as well as the speaker and neopixel outputs

Everything is pre-fitted. No wires, soldering or jumpoers to fiddle with.

Company:	4tronix
URL:	www.4tronix.co.uk
Connection Type:	Uses whole Edge Connector

Cube:bit



Cube:bit for BBC micro:bit

These wonderful cube kits can be assembled in only a few minutes with only a small screwdriver. No soldering is involved. Every cube is made out of pre-assembled slices that have neopixel LEDs on both sides to give an all-round effect to the lighting. Learn about co-ordinates in 2D and 3D. Create wonderful visual effects and stunning indicators to sensory events on your Microbit.

Company:	4tronix
URL:	www.4tronix.co.uk
Connection Type:	Uses whole Edge Connector

2x40 Right Angle Edge Connector

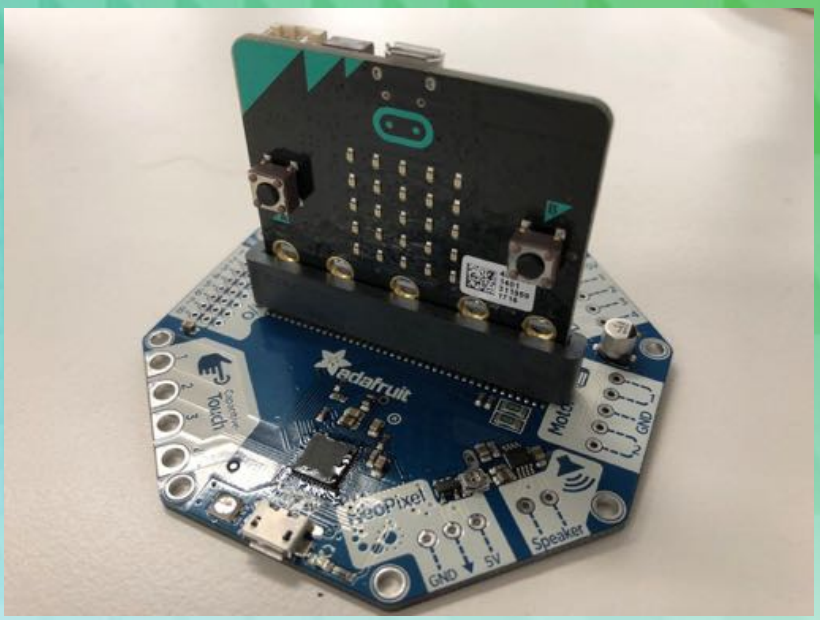
2x40 Right Angle Edge Connector for the BBC micro:bit

This helpful connector fits right on the edge of your micro:bit to help open up a world of possibilities.

We promise there's much, much more on the way from Adafruit so keep checking back to see what exciting accessories we have in store.

Company:	Adafruit Industries
URL:	https://www.adafruit.com/products/3342
Connection Type:	2x40 Edge Connector

CRICKIT



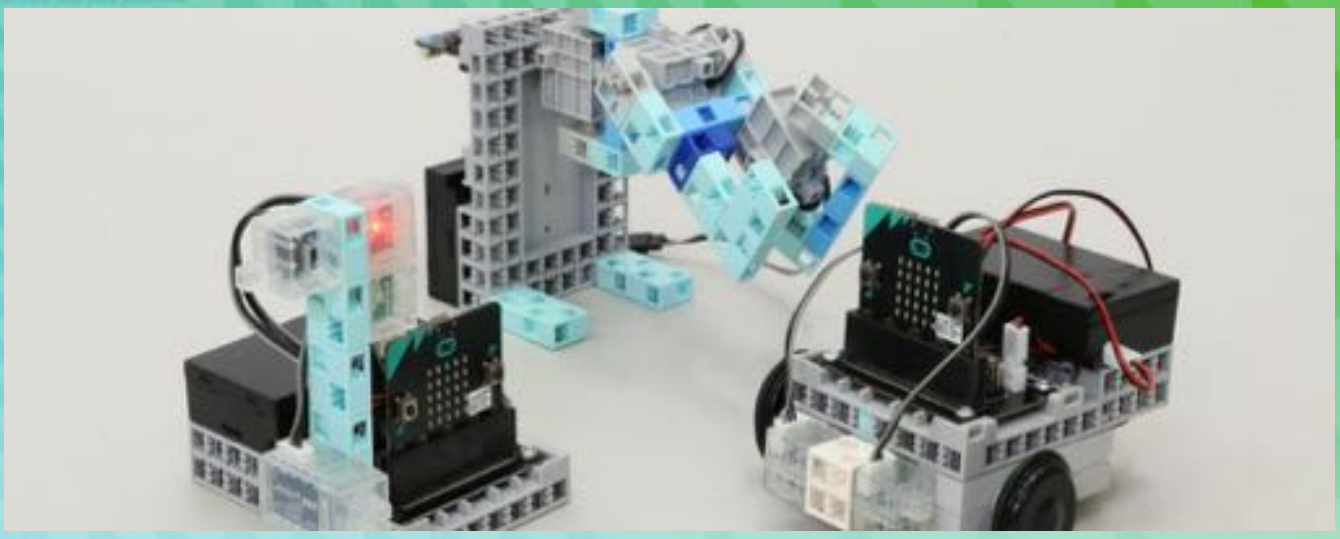
CRICKIT for the BBC micro:bit

Connect your micro:bit using the edge connector and start controlling motors, servos, solenoids. You also get signal pins, capacitive touch sensors, a NeoPixel driver and amplified speaker output. It complements & extends the micro:bit so you can still use all the goodies on the board, but now you have a robotics playground as well.

The Crickit is powered by seesaw, our I2C-to-whatever bridge firmware. So you only need to use two data pins to control the huge number of inputs and outputs on the Crickit. All those timers, PWMs, sensors are offloaded to the co-processor.

Company:	Adafruit Industries
URL:	https://www.adafruit.com/product/3928
Connection Type:	2x40 Edge Connector

ArtecRobo



Educational Robot by Artec for BBC Micro:bit

A perfect programmable robot for both kids who are new to programming and advanced coders who want to boost their creativity! With no soldering required and being made up of 2cm cubes and triangles, ArtecRobo has been the go-to-solution for kids and teachers who like to build robots in stress free manner and dislike small (yet vital!) components going missing in the process. Program variety of actuators and sensors including LED, buzzer, servomotor, DC motor, IR photoreflector, sound sensor, light sensor and touch sensor to make any robot you like, from accurate replica of traffic light to cute doggy robot. Not only they are fun to build and program, three year worth of programming curriculum is also available for teachers looking into integrating robotics/programming or STEM into their lessons. Textbooks are carefully designed for teachers and students who do not necessarily have experience of programming, with helpful tips and easy-to-understand instructions. Each curriculum is based on real-life machines such as automatic doors for students to learn the relevance of robotics in our daily lives!

Company:	Artec Co., Ltd.
URL:	http://www.artec-kk.co.jp/en/
Connection Type:	2x40 Edge connector

Dimm

Dimm

Dimm™ is the amazing new smart toy robot everyone wants. Kids love him as he's so much fun and he teaches them to code. This kit comes jam packed with Dimm the robot, some fun sensors AND a brand new BBC micro:bit computer.

Company:	BinaryBots
URL:	http://www.binarybots.co.uk
Connection Type:	Clips

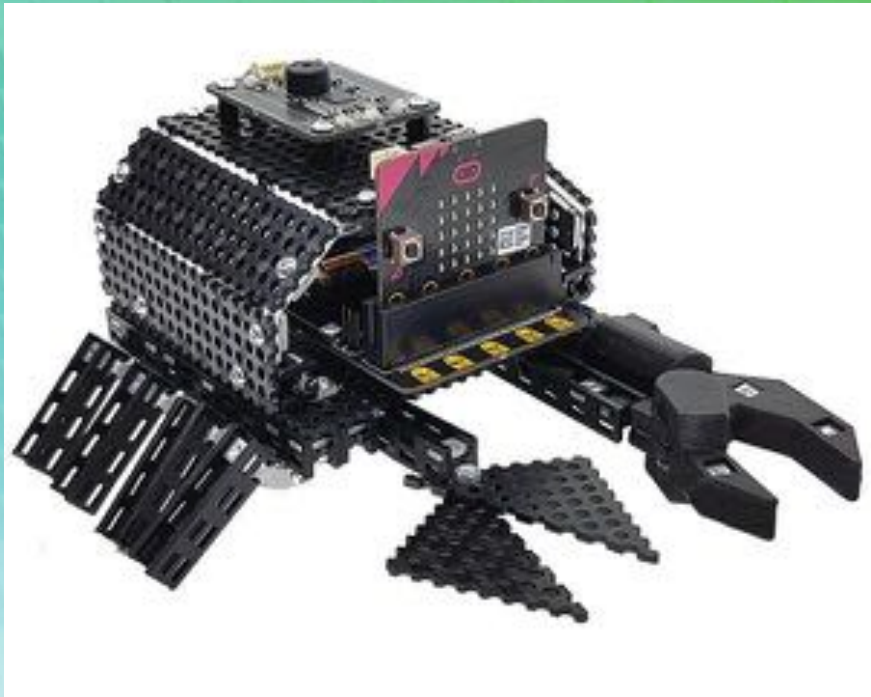
UFO

UFO

Binary's UFO™ is a smart toy super saucer! Using lights & sounds to teach children how to code. This kit comes jam packed with Binary's UFO, some fun sensors AND a brand new BBC micro:bit computer.

Company:	BinaryBots
URL:	http://www.binarybots.co.uk
Connection Type:	Clips

TOTEM Crab



TOTEM Crab for BBC micro:bit

TOTEM is the new exciting self build system that allows user to build the prescribed kit or go completely off piste. Build your project, add the motor/motors and code it to respond using the micro:bit and the instinct board .

Company:	BinaryBots
URL:	http://www.binarybots.co.uk
Connection Type:	Edge Connector

TOTEM Spider

TOTEM Spider for BBC micro:bit

TOTEM is the new exciting self build system that allows user to build the prescribed kit or go completely off piste. Build your project, add the motor/motors and code it to respond using the micro:bit and the instinct board .

Company:	BinaryBots
URL:	http://www.binarybots.co.uk
Connection Type:	Edge Connector

TOTEM Tortoise

TOTEM Tortoise for BBC micro:bit

TOTEM is the new exciting self build system that allows user to build the prescribed kit or go completely off piste. Build your project, add the motor/motors and code it to respond using the micro:bit and the instinct board .

Company:	BinaryBots
URL:	http://www.binarybots.co.uk
Connection Type:	Edge Connector

Micro:bit in Wonderland - Basic Companion Kit

Basic component kit for BBC micro:bit

The *micro:bit in Wonderland - Basic Companion Kit* was created to contain all of the necessary components needed to complete the projects in the *micro:bit in Wonderland* book. It's a project book where you read a chapter from *Alice's Adventures in Wonderland* and then complete a project linked to the chapter. Most of the projects involve making or crafting something as well as coding.

Kit includes:

3x ElectroFashion Lilac LEDs, 1x Blue 5mm LED, 6x Alligator Test Leads, 1x Encased Piezo Element, 2 x Male to Female Jumper Wires, 4x Crocodile Clips, 1x 80cm Copper Tape, 10x Black Loom Bands, 10 Mini Paper Fasteners

Company:	Cool Components
URL:	https://coolcomponents.co.uk/collections/micro-bit/products/micro-bit-in-wonderland-basic-companion-kit
Connection Type:	Crocodile clips

Giggle:Bot

Easy to use robot for the BBC Micro:bit

GiggleBot is an easy to use robot that's great for the classroom. Program it in MakeCode. The GiggleBot is a platform that provides hands-on, project based STEM learning to your students.

GiggleBot an all-in-one coding, robotics and STEAM kit for the next generation of engineers, using the BBC Micro:Bit. GiggleBot is the platform for the next generation of creators, dreamers, and artists to build STEM literacy and problem solvers

Company:	Dexter Industries
URL:	https://www.gigglebot.io/
Connection Type:	Whole Edger Connector

Boson starter kit

Boson Starter Kit for BBC micro:bit

DFRobot's Boson starter kit extend the possibility of micro:bit to STEM related area, especially empowers children's ability in developing engineering skills through building and PBL learning.

Build with confidence: To enable the children to use whatever material at hand to enjoy building, we have designed the boson system to be easily attached to any surface, i.e. white boards, lego, paper, wood, cloth,etc using magnets, screws, nylon sheets, etc. The connection mechanism of using a 3 pin wire, provides the final projects a more stable structure, as well as a smoother experience of getting all modules connected. Click the link to learn more about DFRobot's Boson module: https://www.dfrobot.com/boson.

Learn with ease: To ease the process of leaning how to get started, we have prepared 4 quick-start project cards and 12 project tutorial from beginning to advance. The color-coded design of Boson modules make them easier to identify from the function each module plays.

Endless fun: This kit comes with 8 well selected modules for beginners, covering most popular digital and analog sensors and actuators, supporting sound, light and motion interaction. Moreover, the Boson system has over 50 modules for further exploration to boost the children's curiosity and learning enthusiasm, covering subjects like science, art, etc.

Company:	DF Robot
URL:	https://www.dfrobot.com/product-1638.html
Connection Type:	whole edge connector and Boson/Gravity 3-pin connectors

Micro:Gamepad

Micro:Gamepad for BBC micro:bit

Micro:bit gamepad is an expansion gamepad based on micro:bit. You only need to plug in the micro:bit, it will turn into a wireless remote controller a wireless game console. This product packaged with acrylic plate, that giving it a good feel and no longer feels like a bare circuit board. The gamepad has a total of 8 buttons, the left side have up, down, left, right four buttons, the right side has X, Y two buttons, and two buttons A, B are in the front of the gamepad. The gamepad also has programmable built-in vibration motor, buzzer, and LED. Using graphical programming, it will turn into a multimedia vibration controller or multimedia interactive game console instantly. The programming platform supports MakeCode graphical programming and python. It is a very suitable tool for both beginners and masters.

Company:	DF Robot
URL:	https://www.dfrobot.com/search-microbit.html
Connection Type:	whole edge connector

micro:bit enclosure (LEGO compatible)

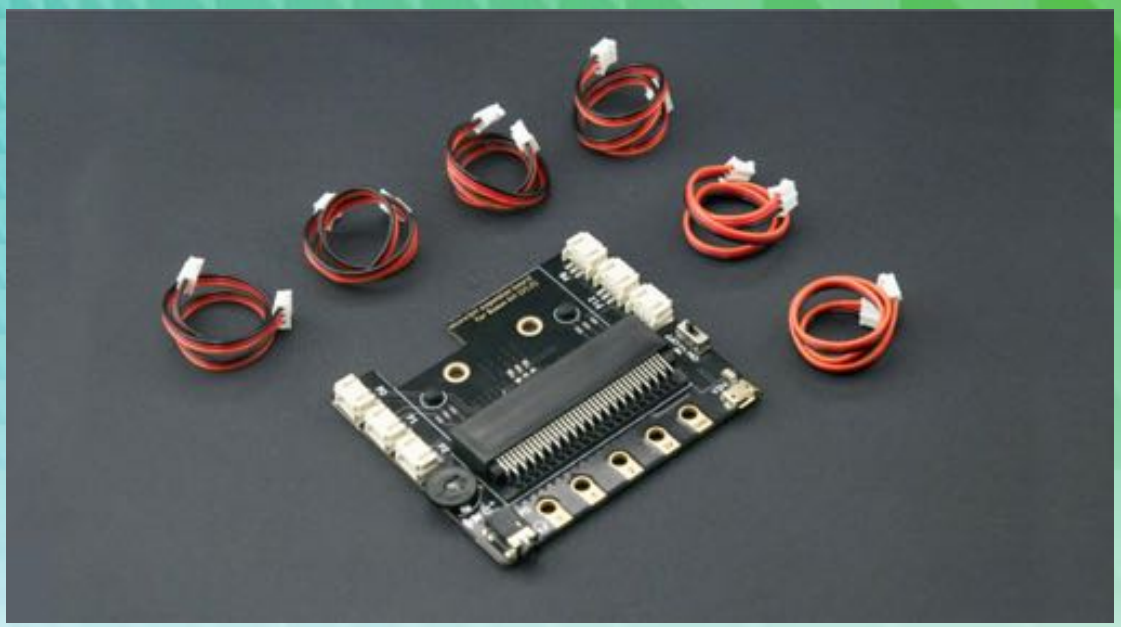
micro:bit enclosue for BBC micro:bit

micro:bit LEGO enclosure is a protective case for micro:bit. It is specially designed by DFRobot, made by ABS material. It reserves A-B buttons and micro:bit RST button, provides comprehensive protection.

The enclosure has LEGO interface on the back. With LEGO interface, you can build lots of creative projects. It is a perfect combination between micro:bit and LEGO!

Company:	DF Robot
URL:	https://www.dfrobot.com/search-microbit.html
Connection Type:	Clip

micro:bit Expansion Board for Boson



Expansion board for BBC micro:bit

To explore more possibilities with micro:bit, we have designed the micro:bit Expansion Board for Boson, a carry-on board that connects to micro:bit via edge connector. The expansion board comes with 6 fool-proof 3-Pin sockets, compatible with hundreds of DFRobot's Boson and Gravity modularized electronic blocks, covering most popular digital and analog sensors and actuators, supporting sound, light and motion interaction.

Click the link to learn more about DFRobot's Boson module:
https://www.dfrobot.com/boson

Click the link to learn more about DFRobot's Gravity module:
https://www.dfrobot.com/gravity

Moreover, the on-board 3.5MM headphone jack and volume knob supports direct connection of headphone. To ensure a steady current supply for these peripherals, the expansion board can be powered externally through the USB power port.

Company:	DF Robot
URL:	https://www.dfrobot.com/search-microbit.html
Connection Type:	Whole edge connector and Boson/Gravity 3-pin connectors

Micro:Mate - A Mini Expansion Board for micro:bit

A mini expansion board for BBC micro:bit

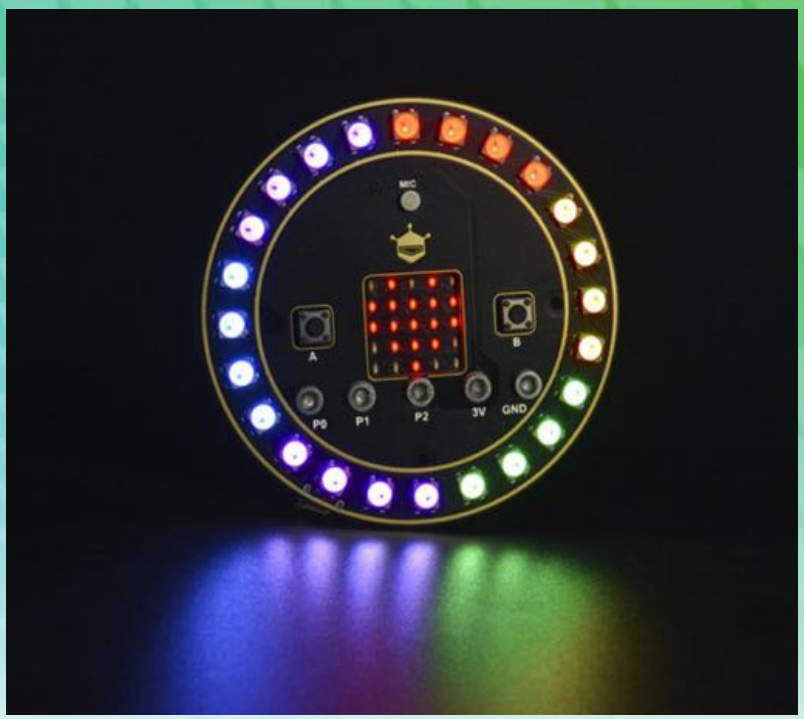
Micro:Mate is in the same dimension of micro:bit.

Micro:Mate expands 6 sets of 3-pin I/O interfaces, capable of connecting DFRobot Gravity series modules, servo motors, sensors and jumper wires. Additionally, Pin 8, 12, 16 support voltage switch between 3V-5V, allowing up to 5V 2A digital (PWM) output.

It connects to micro:bit through contact pins (with spring loaded), ensuring easy, compact and secure connection. The rubber bumpers and the 3.5mm audio jack on the back side keep the expansion installed stably on the board, meanwhile prevents reversed connection

Company:	DF Robot
URL:	https://www.dfrobot.com/search-microbit.html
Connection Type:	Whole edge connector and Gravity 3-pin connectors

Circular RGB LED Expansion Board

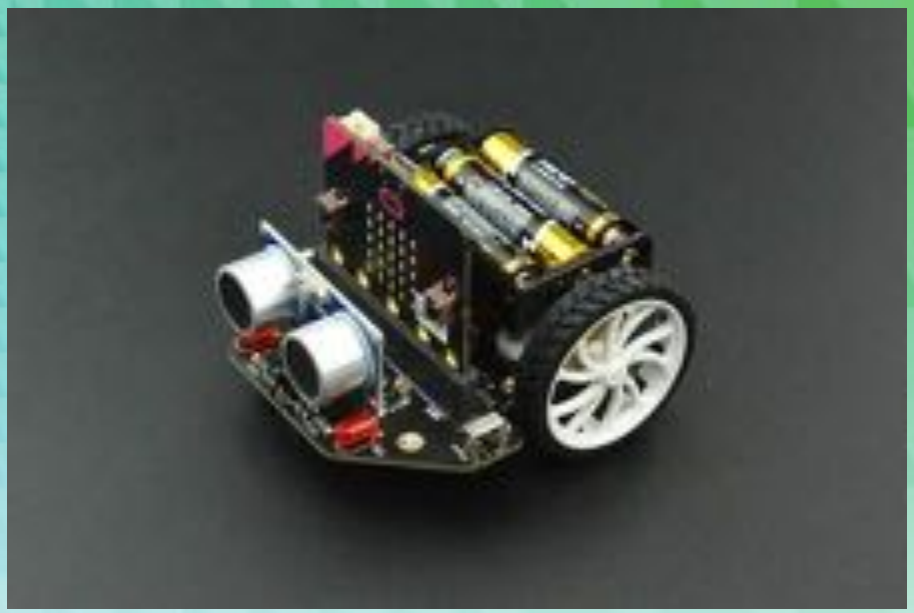


Circular RGB LED Expansion Board for BBC micro:bit

This board can be a cool clock, a timer, a Lucky Turntable Game, a wearable ornament, and an interactive colored pendant. With a micro:bit main board, this 24 RGB LEDs circular expansion board changes to an exquisite creator's piece. You can turn it into a tomato timer via the onboard buzzer, and turn it into a colorful music spectrometer through the onboard microphone; There are two external ports P0, P1 in reserve, so you can get more ways to play by connecting a large number of boson and gravity sensors. With different paper-cuts and acrylics, you can put on a variety of new clothes for the expansion board. For example, put on red Chinese knot for it in Chinese New Year, put on the cartoon face for it at Children's Day, put on the snow or Christmas tree for it at Christmas.

Company:	DF Robot
URL:	https://www.dfrobot.com/product-1748.html
Connection Type:	Whole edge connector and Gravity 3-pin connectors

micro:bit Robot Platform



Macqueen Robot Platform for BBC micro:bit

Maqueen is a graphical programming robot for STEM education, which inherits playability and simple operation of micro:bit. The Mini-body, interesting features and plug-and-play allow children to quickly learn graphic programming in entertaining, nurturing children's interest in science and logical thinking.

Company:	DF Robot
URL:	https://www.dfrobot.com/product-1783.html
Connection Type:	Whole edge connector and Gravity 3-pin connectors

Prototype expansion board

Prototype Expansion board for BBC micro:bit

The BBC micro: bit has a selection of pins that are located on the bottom edge of its PCB, with this board, you can use these pins to connect additional components to the BBC micro: bit. There is a small bread board on the board, which make it easy to build circuits on the board. This expansion board provides a fantastic way of learning how to construct and control electronic circuits with BBC micro: bit.

Company:	Elecrow
URL:	https://www.elecrow.com/bbc-micro-bit-prototype-expansion-board.html
Connection Type:	Whole edge connector

Ring:bit Car

Educational Robot car for BBC micro:bit

Ring:bit car is a DIY smart car which is based on BBC micro:bit and ELECFREAKS ring:bit. Ring:bit has extended 3 channels of GPIO, among which 2 channels are used for driving servos and one channel of GPIO is undefined

Company:	ELECFREAKS
URL:	https://www.elecfreaks.com/estore/micro-bit
Connection Type:	Screws

Joystick:bit

Joystick:bit for BBC micro:bit

ELECFREAKS Joystick:bit for Micro:bit is a funny micro:bit extension module. It contains a 4-direction joystick and 6 undefined buttons. Once we plug micro:bit board into the center connector slot on the board, it becomes a free defined programmable game joystick. Besides, it has spare room for other IO port to do soldering. You can solder by yourself to lead out these IO ports and master more extension possibilities.

Company:	ELECFREAKS
URL:	https://www.elecfreaks.com/estore/micro-bit
Connection Type:	Whole edge connector

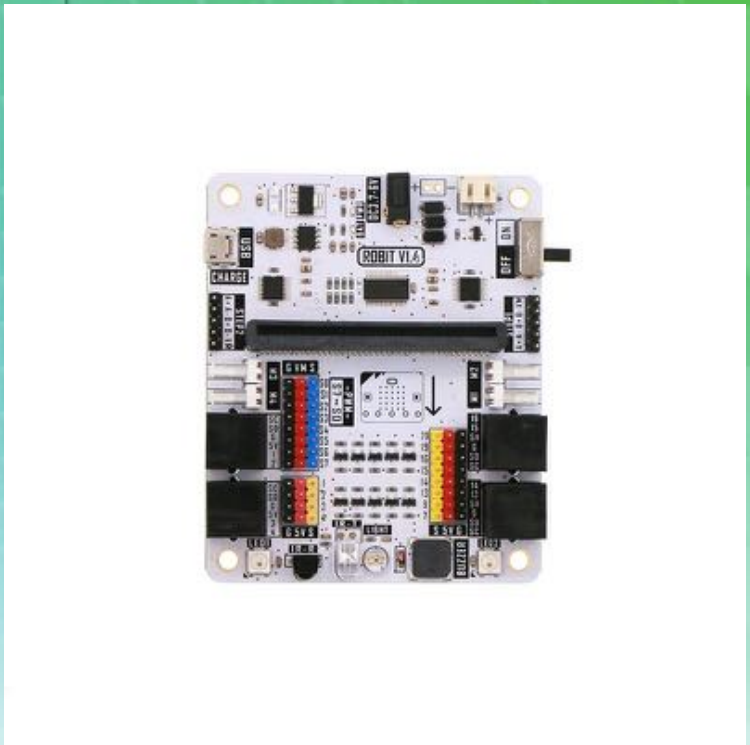
Power:bit

Power:bit for BBC micro:bit

A micro:bit extension board with minimum size. It is powered by two 2025/2032 button batteries and carries a buzzer on the board.

Company:	ELECFREAKS
URL:	https://www.elecfreaks.com/estore/micro-bit
Connection Type:	Screws

Robit



Robit motherboard for BBC micro:bit

Robit is a motherboard of a smart car based on micro:bit. It is compatible with MBOT. Except for the integration of the simple and convinient RJ25 connector, motor connector and sensor on MBOT, we have extended 4 DC motor connectors, 2 stepping motor connectors(same with 4 DC motor connectors), 8 PWM signal output connectors. You can use it to drive PWM signal driving devices like servo. It has 8 G-5V-S digital signal connectors(for connecting with OCTOPUS electric bricks). Robit can realise all current basic functions of MBOT. Besides, you can extend its usage with more sensors, motors, servos, stepping motors and so on. And its programming is easier..

Company:	ELECFREAKS
URL:	https://www.elecfreaks.com/estore/micro-bit
Connection Type:	Whole edge connectors

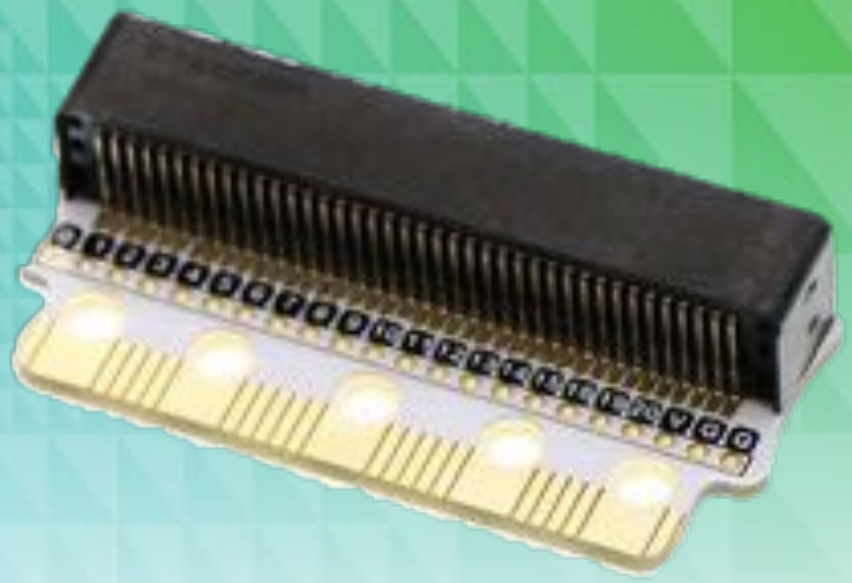
Basic:bit

Basic:bit for BBC micro:bit

Basic:bit is a basic breakout board of micro:bit. It carries a buzzer and three groups of GVS pins(P0/P1/P2) on board. Each group of GVS pins separately leads out the IO port, 3V port and GND port on micro:bit. Small size with simple structure, it is quite enough for you to complete 98% micro:bit projects.

Company:	ELECFREAKS
URL:	https://www.elecfreaks.com/estore/micro-bit
Connection Type:	Screws

Edge:bit

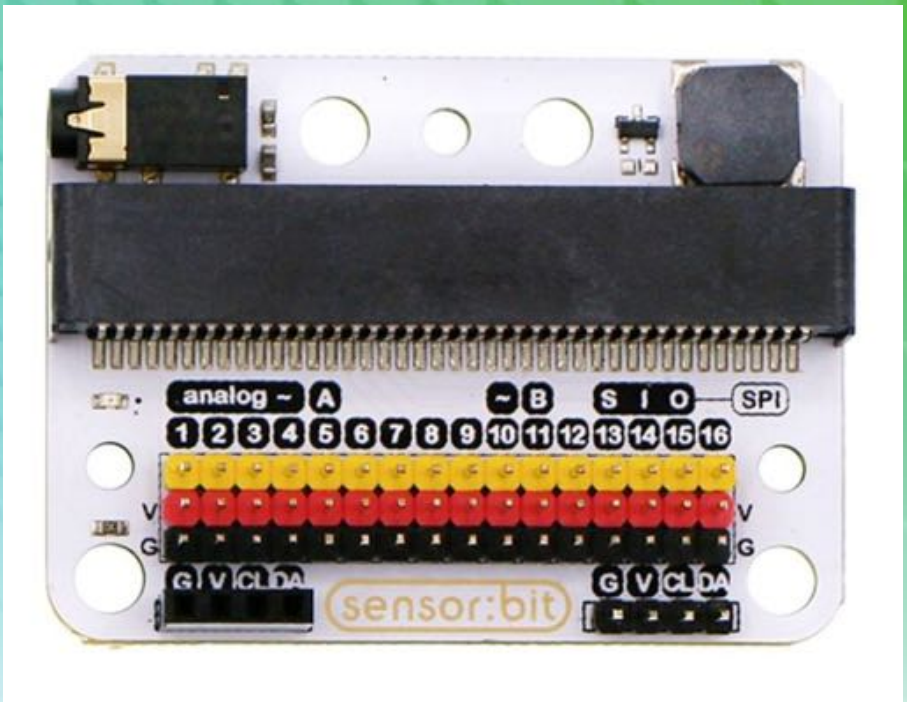


Edge:bit for BBC micro:bit

Edge:bit is a breakout board for protecting your micro:bit golden finger. The special designed golden finger brings more convenience to micro:bit extension. But, at the same time, it is easily abraised or scratched by aligator clip. Edge:bit can provide an all-around protection for your micro:bit, which makes your micro:bit life span become much longer.

Company:	ELECFREAKS
URL:	https://www.elecfreaks.com/estore/micro-bit
Connection Type:	Screws

Sensor:bit



Sensor:bit for BBC micro:bit

Sensor:bit is a breakout board based on micro:bit. It has extended all available IO ports on micro:bit, and lead out them in the form of GVS. With this board, we can extend various 3V electric brick modules like LED light, photocell, etc.. On the board, it has integrated a buzzer and an audio socket, which allows us to hear music from the buzzer or with our headphone.

Company:	ELECFREAKS
URL:	https://www.elecfreaks.com/estore/micro-bit
Connection Type:	Screws

Sonar:bit

Sonar:bit for BBC micro:bit

Sonar:bit is an ultrasonic module with 3-5V working voltage. It is available to be used to 3.3V or 5V micro-controller system. With only one 3-wire(GVS) cable, it can work properly. Compared to the normal 4-wire ultrasonic module, it has saved one IO port. The measurement range of sonar:bit is 4cm-400cm. It can output stable and accurate measurement data with ±1cm tolerance only. You can use this module to occasions like short-distance measurement, smart cars, robots, micro:bit and arduino teaching, etc..

Company:	ELECFREAKS
URL:	https://www.elecfreaks.com/estore/micro-bit
Connection Type:	Screws

Watch kit

Watch kit for BBC micro:bit

micro:bit watch kit is a set of wearable devices based on power:bit. Just by doing some simple assembly, you can DIY a micro:bit watch

Company:	ELECFREAKS
URL:	https://www.elecfreaks.com/estore/micro-bit
Connection Type:	Screws

Multipurpose dock

Dock for BBC micro:bit

This dock adds push buttons, buzzer, servo control, analog input voltage from a potentiometer, IR transceiver, I2C LCD interface, SD card interface plus prototyping area to your BBC Micro:bit and provides easy access to its I/O's

Company:	Elektor
URL:	https://www.elektor.com/micro-bit-dock-module-160274-91
Connection Type:	Whole edge connector

Wear:it Kit

Wear:it kit for BBC Micro:bit

Build it, code it, wear it! Power your first foray into wearable tech with this exciting kit that includes everything you need to get started with your first project. The versatile micro:bit enclosure is specially designed to suit mobile applications and can be used with a wrist strap, keyring or lanyard.

Write code using one of the easy to use editors provided on the BBC micro:bit website

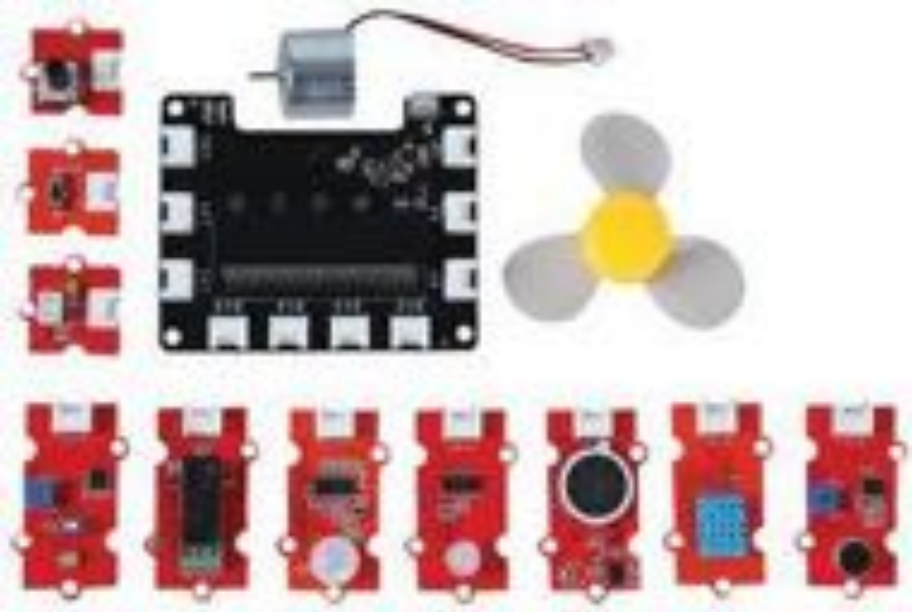
Connect your BBC micro:bit to your computer via the included USB cable

Finally press the compile button in the editor and then drop the downloaded file directly onto your BBC micro:bit!

The micro:bit Android and iOS also apps let you send code to your micro:bit wirelessly using Bluetooth!

Company:	Element 14
URL:	http://uk.farnell.com/element14/mbit-wearit/micro-bit-32bit-arm-cortex-m0/dp/2832540?MER=bn_level5_4NP_LastViewed_1
Connection Type:	Connects to Battery inside case

MI:Node



MI:Node kit for BBC Microbit

A fun, easy to use modular kit designed to help teens get interested in IoT mechanics with minimal effort. The pack consists of a main connection board that houses the micro:bit edge connector and several modules that range from light and sound sensors to LEDs, speakers and even fans!

The modules snap together like building blocks - complete a working circuit in less than a minute

No soldering is required, designed for kids aged 14 and above

Comes complete with a full guide that includes various project ideas

Company:	Element 14
URL:	http://uk.farnell.com/element14/minode-kit-v1/minode-kit-for-microbit/dp/2821832?st=MINODE_KIT_V1
Connection Type:	Uses whole edge connector

Hummingbird Micro:bit adaptor

Hummingbird adaptor for BBC micro:bit

This adapter allows your Hummingbird to work with the micro:bit. Simply plug it into the back of the Hummingbird, write programs in the block-based MakeCode environment, and download them onto the micro:bit. Once the code is downloaded, unplug your Hummingbird robot from the computer and your program will still run!

Company:	BIRDBRAIN Technologies
URL:	http://store.birdbraintechnologies.com/product-p/mbadapt.htm
Connection Type:	Whole edge connector

Hummingbird Bit

Hummingbird Bit for BBC micro:bit

The newest addition in the Hummingbird line of robotics kits! Plug your micro:bit in to the Hummingbird Bit controller and begin coding!

Only purchase this product as an upgrade to a Hummingbird Robotics Kit you already own. Check out our Hummingbird Bit base kit if you don't already own a Hummingbird Robotics Kit.

Company:	BIRDBRAIN Technologies
URL:	https://store.birdbraintechnologies.com
Connection Type:	Whole edge connector

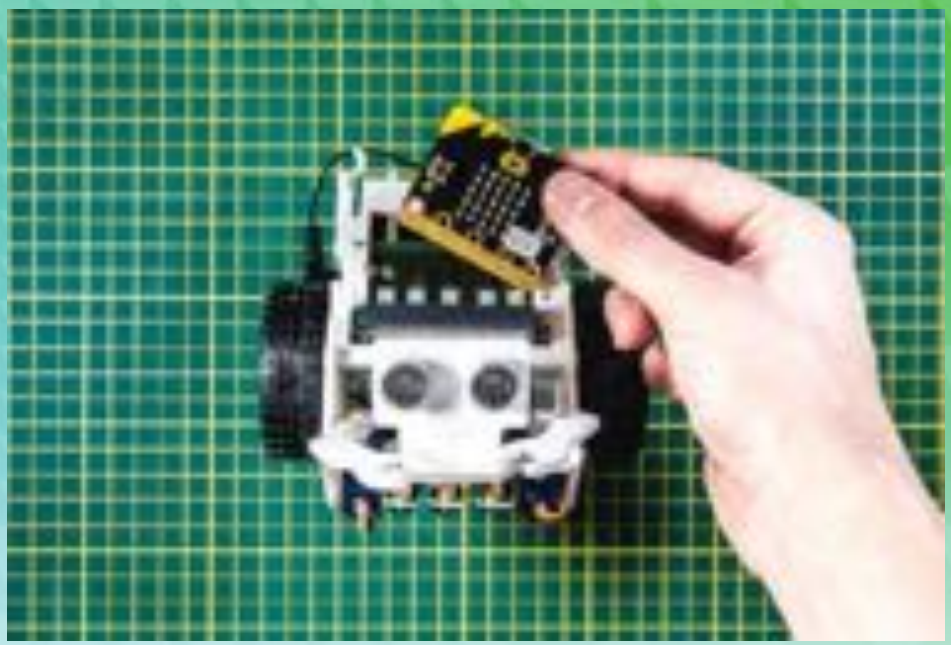
HyperDuino micro:bit adaptor

Hyperduino adaptor for BBC micro:bit

The micro:bit-to-HyperDuino Adapter lets you use the micro:bit as a direct substitute for an Arduino Uno (or Funduino or any Arduino Uno equivalent) in any HyperDuino Interactive Maker Project.

Company:	Hyper-duino
URL:	http://hyperduino.com/mb-adapter.html
Connection Type:	Whole Edge Connector

K8 Robotics kit



Robotics kit for BBC micro:bit

Meet k8, your modular robotics kit for learning Computational Thinking.
What's in the Box?

1 x BBC Micro:Bit The “brain” of your robotics kit

1 x K8 Interface Board The “nervous system” of your robotics kit

3 x IR Sensors Detects how light or dark the ground is
2 x 9 Gram Servo Motors Used to pickup and move objects around

2 x Motors with 65mm Wheels Drives your robot to move in its environment

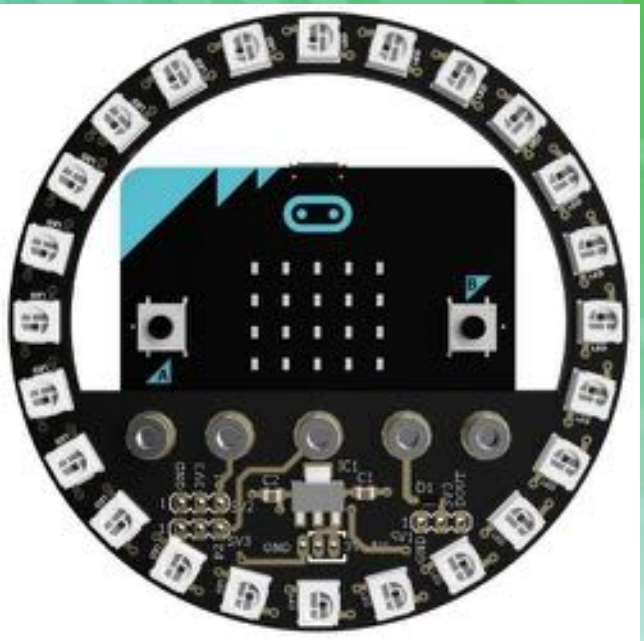
1 x 4 ‘AA’ Battery Box + 4 ‘AA’ Batteries Powers your robot

1 x Ultrasonic Sensor Allows your robot to detect how far away objects are

1 x Curriculum Platform Curriculum based lesson plans for teaching comp thinking and deep learning principles

Company:	INKSMITH
URL:	https://www.inksmith.co/product-page/k8-robotics-kit
Connection Type:	Whole edge connector

Kitronik ZIP Halo



Kitronik ZIP Halo for the micro:bit

Add some colour to your next coding project with our new Halo board for the BBC micro:bit. The Halo has 24 ZIP LEDs, which are individually addressable full colour LEDs. This means that each LED can display a huge spectrum of colours, allowing amazing colourful effects to be achieved.

The Halo bolts directly onto the BBC micro:bit using five bolts which are secure and robust. The board also has extension connector pads (0.1 pitch) allowing more ZIP LEDs to be connected. The P1 and P2 micro:bit pins are also broken out to 0.1" pads along with power and GND. This allows for additional connections to low power components such as sensors and switches.

The Halo takes a supply voltage of 3.5V-5V and provides a regulated power supply to BBC micro:bit. Power can be connected using the JST input using the 3xAAA battery holder, or LiPo battery, or JST lead. Alternatively you can solder a power supply directly to the solder pads on the PCB.

Company:	KITRONIK
URL:	https://www.kitronik.co.uk/
Connection Type:	Connects to the GPIO pins

Kitronik Inventors Kit

Kitronik Inventors Kit for the BBC micro:bit

The Kitronik Inventor's Kit for the BBC micro:bit is a great way to get started with programming and hardware interaction with the BBC micro:bit. This Inventor's Kit contains everything you need to complete 10 experiments e.g. motors, LEDs, LDRs and capacitors.
To get you off to a flying start, we have included an easy to follow tutorial book which guides you through everything you will need to know about programming the BBC micro:bit. You don't need any experience with programming as the tutorial book will guide you every step of the way. You'll be programming and creating circuits in no time!
The Kitronik Inventor's Kit for the BBC micro:bit provides a fantastic way of learning how to construct and control electronic circuits. The BBC micro:bit has a selection of pins that are located on the bottom edge of its PCB (see datasheet below for details). By using our specially designed Edge Connector Board for the BBC micro:bit in conjunction with the breadboard (see below), it is easy to use these pins to connect additional components to the BBC micro:bit.

Company:	KITRONIK
URL:	https://www.kitronik.co.uk/
Connection Type:	Uses whole Edge Connector

Kitronik Motor Driver Board

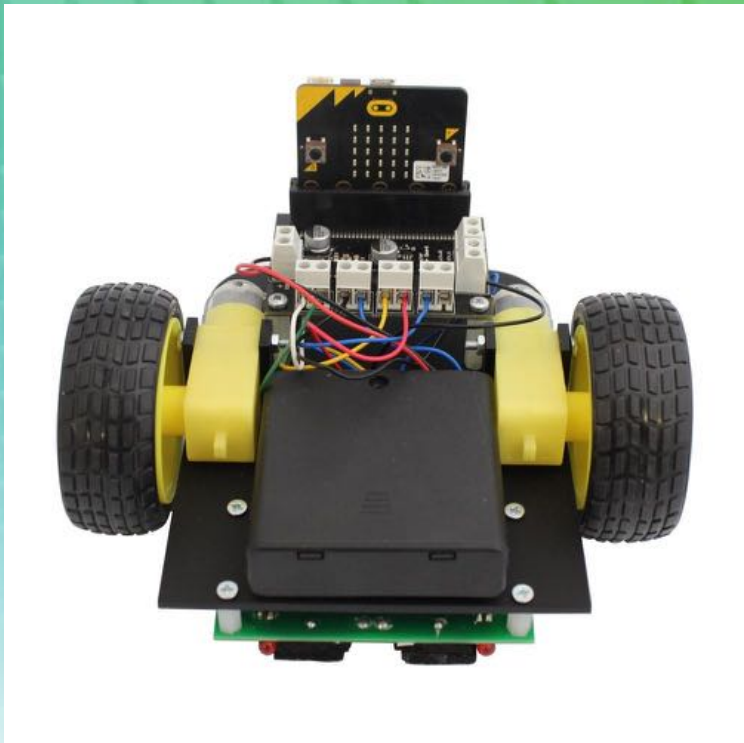
Kitronik Motor Driver Board for the BBC micro:bit

This board provides a simple way to add motor driving capability to a BBC micro:bit. It allows two motors to be driven with full forward, reverse & stop control. It has terminal blocks to connect four input devices and a regulated 3V supply is fed in to the 80 way connector to power the inserted BBC micro:bit.

In this new version, the pins from the BBC micro:bit are now broken out to pads on the end of the Motor Driver Board. These pads can either be soldered onto directly, or they are the correct spacing for our PCB pin headers.

Company:	KITRONIK
URL:	https://www.kitronik.co.uk/
Connection Type:	Uses whole Edge Connector

Line Following Buggy



Line Following Buggy for the BBC micro:bit

Our BBC micro:bit controlled Line Following Buggy uses two LDRs (light dependant resistors) as sensors to control a line following board on the bottom of the chassis to 'follow' black lines.
Two LEDs shine light from underneath the buggy down onto the floor and a pair of LDRs measure how much light is reflected. When the sensor is moved over a black line the level of reflected light decreases and the sensor sends a signal to the BBC micro:bit through the motor driver board. The BBC micro:bit then uses that information to steer back toward the line. It does this by switching off either the left motor to turn left or the right motor to turn right. The buggy can easily be customised and to help you get started we have also supplied code for Bump 'n' Spin functionality using the BBC micro:bit's on-board accelerometer. Save the code to your account and get customising!

Company:	KITRONIK
URL:	https://www.kitronik.co.uk/
Connection Type:	Uses whole Edge Connector

Mi:pro Protector Case

Mi:pro Protector Case for the BBC micro:bit

Available in a choice of four colours, the MI:pro Protector Case not only keeps a BBC micro:bit in perfect condition but also offers a number of other benefits. Keep your BBC micro:bit safe and secure with this compact, portable protective case where the 2xAAA battery pack can be bolted to the back, making a compact and portable unit. Please note: The battery cage supplied with the BBC micro:bit does NOT fit with this product.

It also can be stood neatly on a desk and provide large easy to read labels for the A and B buttons. This case provides full access to the bottom pins on the BBC micro:bit so the Edge Connector Breakout Board for BBC micro:bit can be used.

The MI:pro protector case is available in four different colour options; Clear, Green, Orange and Blue. For each of the options the front and back plates are cut from clear Perspex and the mid layer pieces are cut from Perspex of the selected colour.

Company:	KITRONIK
URL:	https://www.kitronik.co.uk/
Connection Type:	Connects to the back of the board

:MOVE mini buggy kit

:MOVE mini buggy kit

The Kitronik :MOVE mini buggy kit for the BBC micro:bit provides a fun introduction to robotics. The :MOVE mini is a 2 wheeled robot that is suitable forautonomous operation, remote control projects via a Bluetooth application or being controlled using a second BBC micro:bit as a controller via the microbits radio functionality.

The Kitronik :MOVE mini is powered by two continuous rotation servo motors. The speed of these servos can be controlled by simply altering the PWM (Pulse Width Modulation) signal to the servo, which is easy to do using the Servo blocks in the Microsoft PXT Block editor. We have also produced Kitronik custom blocks for the Servo:Lite to make the task of coding as quick and painless as possible, see the resources section at the foot of this page for more information.

The buggy also has 5 x RGB individually addressable ZIP LEDs (NeoPixel compatible), which can be used as indicators, reverse lights etc...

Company:	KITRONIK
URL:	https://www.kitronik.co.uk/
Connection Type:	Connects to the GPIO pins

Servo:Lite board for :MOVE mini

Servo:Lite board for :MOVE mini

The Servo:Lite board for the BBC micro:bit is a simple board that allows you to easily connect and control low power servo motors (servo's must be capable of operating at 3.3V) using the BBC micro:bit. It is connected to the micro:bit using five bolts. Connect two servos in standard configuration and it can drive up to 3 servos if the addressable ZIP LEDs arent needed.

It is powered by 3 AAA batteries and also supplies power to the BBC micro:bit, the board features an On / off switch so when it's not in use the batteries won't drain.

Company:	KITRONIK
URL:	https://www.kitronik.co.uk/
Connection Type:	Connects to the GPIO pins

E-Textiles Kit

E-Textiles Kit for the BBC micro:bit

This kit is a great way to get started with creating BBC micro:bit controlled E-Textiles projects and designs.

We have selected a number of products from our Electro-Fashion range, including five regular 5mm LEDs, ten of our ultra-slim LEDs, ten crocodile clips and 6 meters of conductive thread. There are enough components for you get started immediately to create our Emoji Bag and Rocket Pencil Case projects with enough extra LEDs and Crocodile clips to also create something of your own design.

Company:	Kitronik Ltd
URL:	https://www.kitronik.co.uk/5607-e-textiles-kit-for-the-bbc-microbit.html
Connection Type:	Clip / Sew

Prototyping System

Prototyping System for the BBC micro:bit

This Prototyping System for the BBC micro:bit is a great way to start making circuits and making experiments without the need to solder.

This prototyping system uses our specially designed Edge Connector Breakout Board for BBC micro:bit that gives full access to the pins on the bottom of the BBC micro:bit. The BBC micro:bit pins are broken out to a row of pin headers, the SCL and SDA pins are separated at the edge of the board providing easy identification. The PCB includes a prototyping area with 3V, 0V and unconnected rows that can be soldered to. This allows easy connection of switches, sensors and any pull-up or pull-down resistors etc. as required.

This prototyping system is used in conjunction with a Small Prototype Breadboard. This makes it easy to connect additional components using the included jumper wires. No soldering required.

Company:	Kitronik Ltd
URL:	https://www.kitronik.co.uk/5609-prototyping-system-for-the-bbc-microbit.html
Connection Type:	Uses whole edge connector

MI:power board

MI:power board for the BBC micro:bit

The MI:power board for the BBC micro:bit brings real portability to your wearable projects. The stylish, lightweight PCB is designed to fit snugly against the BBC micro:bit and features a built in buzzer and 3V coin cell holder.

When assembled, the MI:power board is connected directly to the 3V, GND and P0 connections on the micro:bit. The 3V and GND connections provide power to the micro:bit and the built in buzzer is connected to P0, which is the default output pin when using the audio functions in the Block Editor software.

Company:	Kitronik Ltd
URL:	https://www.kitronik.co.uk/5610-mipower-board-for-the-bbc-microbit.html
Connection Type:	Bolts to micro:bit

16 Servo Driver Board

16 Servo Driver Board for the BBC micro:bit

Take your robotics project to the next level with the Kitronik I2C Servo Driver Board for the BBC micro:bit.

Capable of controlling 16 servos which are powered directly from the board's power supply. The board can be powered either through the terminal blocks or the on-board header for radio control receiver packs.

The pins from the BBC micro:bit are broken out to pads on the end of the Servo Driver Board. These pads can either be soldered onto directly, or they are the correct spacing for our PCB pin headers.

Company:	Kitronik Ltd
URL:	https://www.kitronik.co.uk/5612-kitronik-i2c-servo-driver-board-for-the-bbc-microbit.html
Connection Type:	Uses whole edge connector

Audio Cable

Audio Cable for the BBC micro:bit

This is the perfect cable choice for those that want to output music or general sound for the BBC micro:bit, to either headphones or speakers.

At one end of the cable are the black and red crocodile clips, which connect to the microbits GND and Pin 0 respectively. At the other end of the cable is a 3.5mm TRS (tip, ring sleeve) stereo jack.

The 3.5mm TRS stereo jack means you can either connect your headphones directly to your BBC micro:bit or if you would rather use a speaker, you can use an amplified speaker with a 3.5mm jack.

Company:	Kitronik Ltd
URL:	https://www.kitronik.co.uk/5622-audio-cable-for-bbc-microbit.html
Connection Type:	Clips to micro:bit

:GAME ZIP 64

:GAME ZIP 64 for BBC micro:bit

This gamer kits allows user to design and play arcade games using the micro:bit. The kit has super bright, 64 individually addressable full colour ZIP LED display for gameplay which can be used at the same time as the micro:bit display.

The kit uses 6 buttons for game control, has haptic feedback and audio output. The kit is supplied fully built and is powered from 3 x AA batteries.

The kit is supplied with a range of coding / teaching resources.

Company:	Kitronik Ltd
URL:	https://www.kitronik.co.uk/5626
Connection Type:	Uses whole edge connector

Klip Halo

Klip Halo for the BBC micro:bit

The Klip Halo for the BBC microbit breaks out all of the pins from the microbit to pads spaced around the edge of the Klip Halo. The pads have been carefully designed and spaced so that they are ideal for for use with E-Textiles projects and also for projects that require the use of Crocodile Leads.

The Klip Halo bolts directly onto the BBC micro:bit using five supplied screws which are secure and robust. The supplied mounting bar is used to fix the microbit to Klip Halo and already contains the required nuts as well as additional solder pads (PO, P1, P2, 3V & GND) should you require them.

There are multiple power and ground pads so that the same pads don't have to be used for every part of your project, which is a handy feature if you are using Crocodile clips. Power is supplied to the board and the microbit via the rear mounted jst connector.

Company:	Kitronik Ltd
URL:	https://www.kitronik.co.uk/5632-klip-halo-for-the-bbc-microbit.html
Connection Type:	Bolts to micro:bit

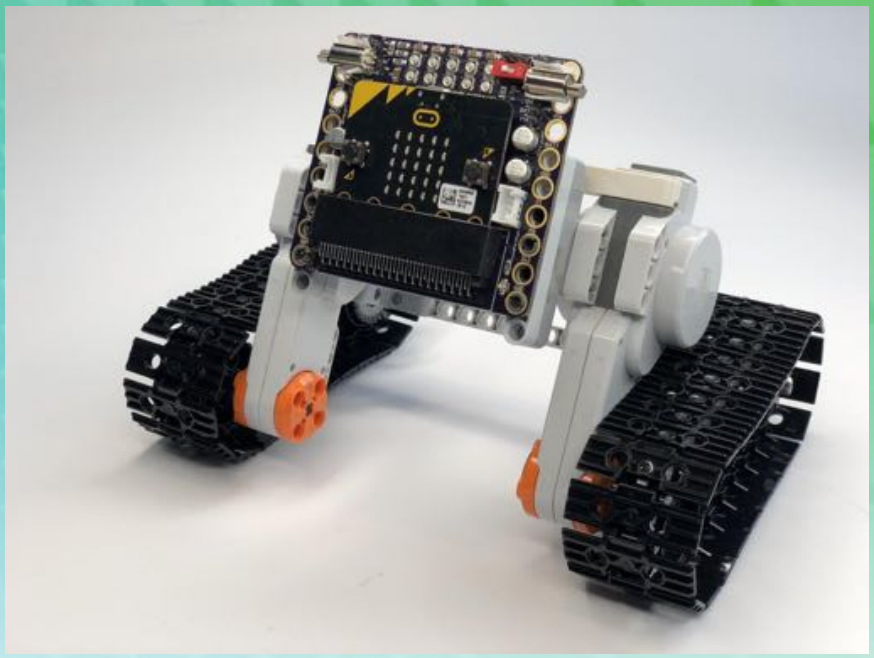
Klef Piano

Klef Piano for BBC micro:bit

Unlock your inner composer with the Kitronik :KLEF Piano, a capacitive touch keyboard for micro:bit. Featuring a full octave Piano Keyboard, amplifier & Speaker

Company:	Kitronik Ltd
URL:	https://www.kitronik.co.uk/5631-klef-piano-for-the-bbc-microbit.html
Connection Type:	Uses whole edge connector

Bit:booster

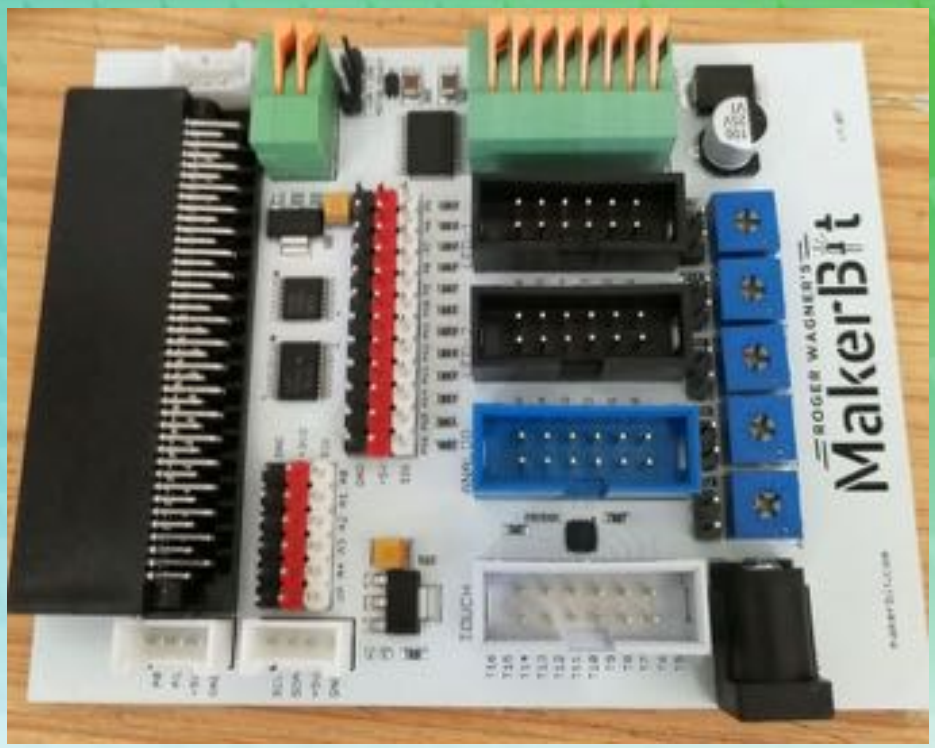


Project board for BBC micro:bit

Unlock the full potential of the micro:bit with the bit:booster. The bit:booster is like a turbo-pack for your micro:bit that streamlines your exploration of physical computing. It is the only add-on board you'll ever need for your micro:bit. The bit:booster is ready for the projects out of the box. There is no need to purchase additional cables, batteries, electronics, etc. for students to jump into exciting coding projects in physical computing: robotics, games, science with sensors, IOT etc.

Company:	Lectrify
URL:	http://www.lectrify.it/products/bit%20booster
Connection Type:	Uses whole edge connector

MakerBit



MakerBit for BBC micro:bit

This is the MakerBit that is designed for controlling motors (such as in robotics), servos, and easily connecting to sensors and actuators using the 3-pin connectors along the sides. It also has Grove-compatible connectors for digital I/O, analog, and I2C.

Kit Includes:

1 MakerBit board

2 LED rainbow ribbon easy-connect cables

1 Touch sensor rainbow ribbon easy-connect cable

25 Touchpoints

3 3-wire connecting cables.

2 Grove-compatible connecting cables.

Company:	MakerBit
URL:	http://makerbit.com/makerbit-board.html
Connection Type:	Whole Edge Connector

Click adaptor

Click adaptor for BBC micro:bit

The **micro:bit Click adaptor** is powered from the micro:bit itself. An 80pin edge connector allows easy installation to the micro:bit board. Due to the micro:bit symmetrical design, there is no wrong way of connecting. It can be plugged into the connector both ways, keeping it simple.

Company:	MicroEleckronika
URL:	https://www.mikroe.com/microbit-click-adapter
Connection Type:	Whole edge connector

Exploration Pack: Trekking The Grove

Exploration Pack for the BBC micro:bit

Exploration Pack: Trekking The Grove is a micro:bit digital maker project kit to accompany The First Steps Kit. It is recommended for curious learners who wish to explore and build their own micro:bit projects.

The Exploration Pack uses the Grove platform for convenient and rapid prototyping, without the need for soldering or breadboarding. It contains 1 Tembusu Integration Board and over 25 Grove components of sensors, motors, LEDs, and cables for prototyping fun!

Company:	MicroMaker Pte Ltd MICROMAKER
URL:	https://xpc.sg/product/explorer-kit/
Connection Type:	Micro:bit Edge Connector and Grove 4-pin connectors

Destination Kit – Kitchen Capers

Destination Kit – Kitchen Capers for BBC micro:bit

Destination Kits are a series of micro:bit guided themed projects. Learners will be using sensors, an actuator, and prefabricated MDF boards contained in the kit to create their first project. The MDF board uses slots and tabs for glue free assembly.

Kitchen Capers are projects designed to assist the household kitchen.

Projects include: Cha Chai Or Tea? (Automated Tea Brewer), Candy Crusher (Candy Dispenser), and a Morning Egg-citement (Egg Timer).

Company:	MicroMaker Pte Ltd MICROMAKER
URL:	https://xpc.sg/product/destination-kit/
Connection Type:	Nuts and bolts ; wires

Destination - Fun Fair Fever

Destination – Fun Fair Fever for the BBC micro:bit

Destination Kits are a series of micro:bit guided themed projects. Learners will be using sensors, an actuator, and prefabricated MDF boards contained in the kit to create their first project. The MDF board uses slots and tabs for glue free assembly.

Fun Fair Fever are projects designed to simulate carnival games found at fun fairs.

Projects include: Penny Pusher (Interactive Piggy Bank), Touch Me Not (Wire Buzzer), and a Chuck Tracker (Basket Bin).

Company:	MicroMaker Pte Ltd MICROMAKER
URL:	https://xpc.sg/product/destination-kit/
Connection Type:	Nuts and bolts ; wires

Monk Makes Relay Board

Monk Makes Relay Board for micro:bit

The MonkMakes Relay for micro:bit is a solid-state (no moving parts) relay that allows an output of a micro:bit to turn things on and off.

A micro:bit can turn an LED on and off directly, but anything more powerful requires something like a relay.

This relay can be used to switch low voltage devices such as light bulbs, a motor, a small heating element or even a string of 12V LED lighting. The voltage needs to be kept under 16V, but the relay will automatically protect itself against too much current.

Company:	Monk Makes
URL:	https://www.monkmakes.com/mb_relay/
Connection Type:	Connects to the GPIO pins

Monk Makes Speaker

Monk Makes Speaker for micro:bit

The MonkMakes Speaker for micro:bit is a neat little amplified speaker that connects to your micro:bit using alligator clips.

Company:	Monk Makes
URL:	https://www.monkmakes.com/mb_speaker/
Connection Type:	Connects to the GPIO pins

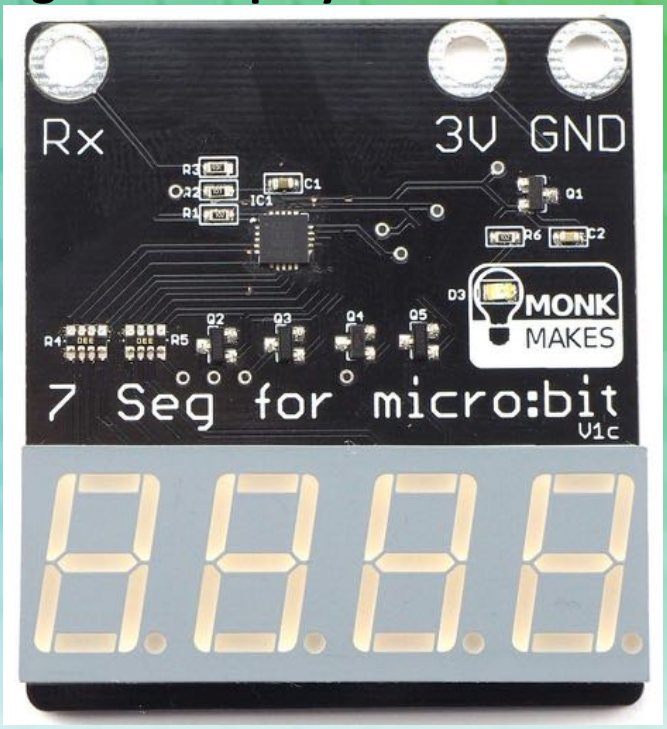
Monk Makes Sensor Board

Monk Makes Sensor Board for micro:bit

The MonkMakes Sensor Board for micro:bit allows you to sense sound level, temperature and light level.

Company:	Monk Makes
URL:	https://www.monkmakes.com/mb_sensor/
Connection Type:	Connects to the GPIO pins

Monk Makes 7 segment display



Monk Makes 7 segment display for micro:bit

The 7-segment for micro:bit is a four digit 7-segment display for micro:bit. You can use it to display numbers, but it can also display letters and other characters, albeit with the limits imposed by the 7 segments of each digit.

Company:	Monk Makes
URL:	https://www.monkmakes.com/mb_7_seg/
Connection Type:	Connects to the GPIO pins

Electronics Starter Kit

Electronics Starter Kit for micro:bit

With this kit, you get everything you need to start learning about connecting electronics to your micro:bit in an accessible and easy manner. Everything is connected using the supplied alligator clips, so no soldering required. The included instruction book leads you through getting started with your micro:bit and then building the following projects: Movement Alarm, Lighthouse, Shout-o-meter, Thermometer, Fan speed Controller, Automatic Fan and a Theramin-like 'Magic' Musical Instrument.

Company:	Monk Makes
URL:	https://monkmakes.com
Connection Type:	Alligator / crocodile clip

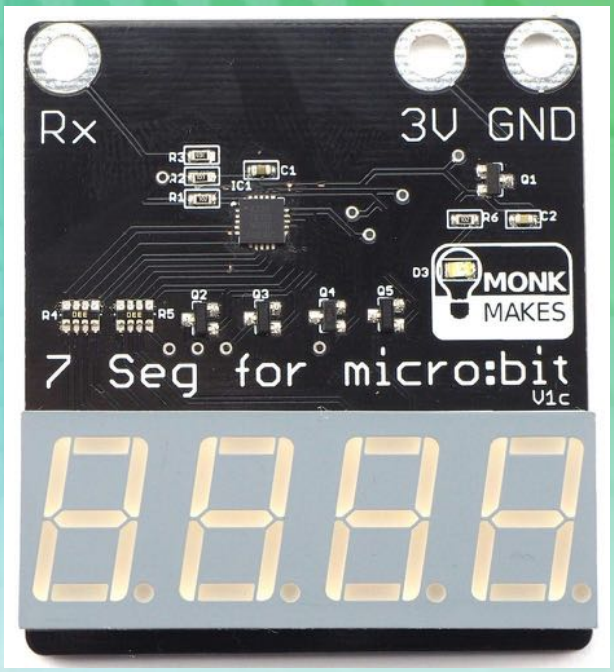
RGB LED

RGB LED for micro:bit

The MonkMakes RGB LED for micro:bit provides a colorful add-on to your micro:bit. Connect it up with alligator clips and then use the three outputs of your micro:bit to control the red, green and blue channels to mix up any color of light you want.

Company:	Monk Makes
URL:	https://monkmakes.com
Connection Type:	Alligator / crocodile clip

7-segment display



7-segment display for BBC micro:bit

The 7-segment for micro:bit is a four digit 7-segment display for micro:bit. You can use it to display numbers, but it can also display letters and other characters, albeit with the limits imposed by the 7 segments of each digit.

Features

Easy to connect (just needs one micro:bit pin plus power)

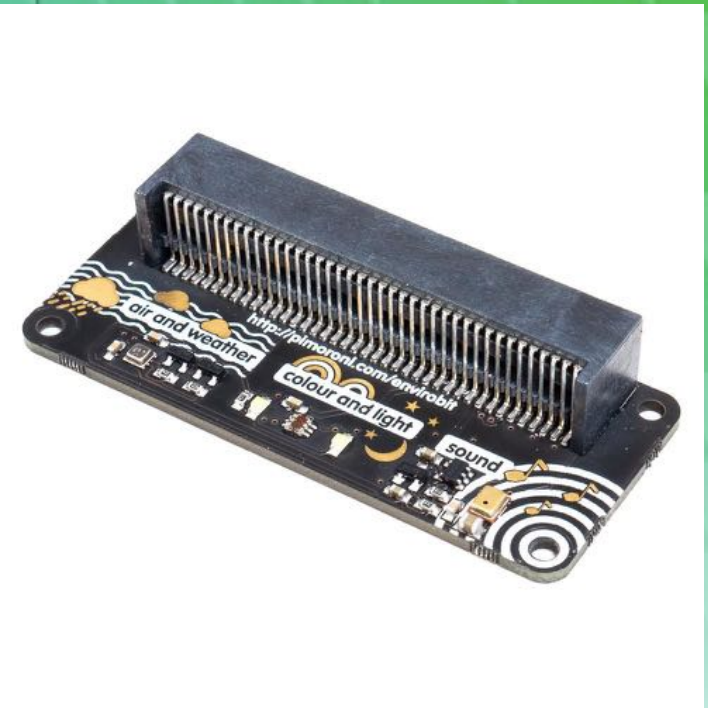
Powered directly from micro:bit pins

Send messages to the display using the micro:bit's Serial blocks

Useful for displaying readings from sensors, making clocks etc

Company:	Monk Makes
URL:	https://monkmakes.com
Connection Type:	Alligator / crocodile clip

enviro:bit



enviro:bit add on board for BBC micro:bit

Sense the world around you with enviro:bit! It's loaded with sensors for air and weather, colour and light, and sound, and slots right onto your micro:bit.

Just slot in your micro:bit, then code enviro:bit with the block-based Microsoft MakeCode editor, or with MicroPython in the Mu code editor. The sensors go hand-in-hand really well with the LED matrix on micro:bit, letting you graph sensors readings or have the LEDs react to sound, for example.

Company:	Pimoroni
URL:	https://shop.pimoroni.com/products/enviro-bit
Connection Type:	Whole Edge Connector

scroll:bit

scroll:bit add on board for BBC micro:bit

scroll:bit is a little display with a lot of pixels! Its 119 bright white LEDs are perfect for scrolling messages with your micro:bit, or for animations, graphs, and more!

Just slot in your micro:bit, then code scroll:bit with the block-based Microsoft MakeCode editor, or with MicroPython in the Mu code editor. It works in a very similar way to the built-in red LED matrix on your micro:bit, so if you've used that then you'll know exactly what to do.

Company:	Pimoroni
URL:	https://shop.pimoroni.com/products/scroll-bit
Connection Type:	Whole Edge Connector

noise:bit

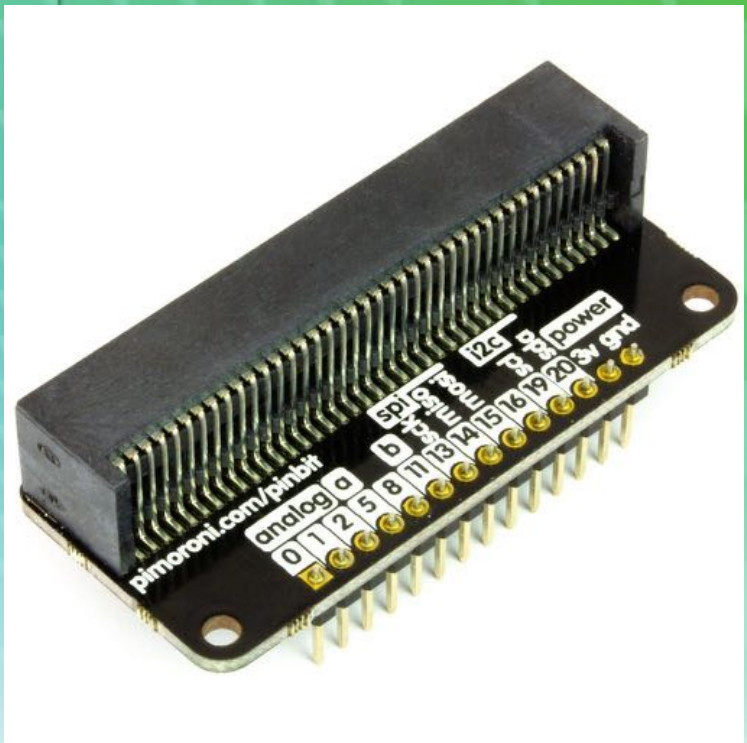
noise:bit add on board for BBC micro:bit

Make your micro:bit sing with noise:bit! It's a tiny speaker that packs a fair bit of punch, and it's perfect for BLEEPS and BLOOPS!

Just slot in your micro:bit, and use the sound generation blocks and code in Microsoft MakeCode and MicroPython to generate tones, sounds, and speech. We've had great fun combining it with enviro:bit's light sensor to make a radio-controlled theremin!

Company:	Pimoroni
URL:	https://shop.pimoroni.com/products/noise-bit
Connection Type:	Whole Edge Connector

pin:bit



pin:bit add on board for BBC micro:bit

pin:bit breaks out all of the useful pins from your micro:bit into breadboard format while providing handy-dandy labels to make your builds go smoothly.

It's ideal for building small circuits on a breadboard, and for exploring what different types of components like LEDs, buttons, and analog sensors do and how they work. Our Explorer HAT Pro parts kit is an ideal set of components to use with pin:bit.

Just slot in your micro:bit and then hook up to its pins with a breadboard or by connecting jumper jerky directly. We've broken out every spare pin on the micro:bit that isn't shared with the LED matrix, so your projects won't interfere with the built-in functionality.

Company:	Pimoroni
URL:	https://shop.pimoroni.com/products/pin-bit
Connection Type:	Whole Edge Connector

micro:pixel 4x8 WS2812B board

micro:pixel 4x8 WS2812B board for the BBC micro:bit

This board gives your micro:bit access to 32 addressable RGB WS2812B LEDs also known as neopixels. This can be used in all environments except touch develop.
You have access to pins 0, 1, 2, 3v and GND however pin 0 is used by the neopixels unless you use the solder jumper on the board which will set it to pin 8.
You can use the standard neopixel library which is available for touch develop, code kingdoms, micro python and PXT

Company:	Proto-PIC
URL:	https://www.proto-pic.co.uk
Connection Type:	Uses whole Edge Connector

micro:pixel

micro:pixel Edge 1x10 WS2812B Board for micro:bit

Part of our range of microbit accessories and addons, the micro:pixel EDGE is the little brother of the micro:pixel board. It has 10 super high density WS2812B (NeoPixel) LEDs packed onto one side of the board a little larger than the micro:bit edge connector itself.

Simply plug your micro:bit into the connector, upload your code using the neopixel library and you're good to go!

This little board goes great with our bat:bit and makes the whole thing compact and mobile.

Company:	Proto-PIC
URL:	https://www.proto-pic.co.uk
Connection Type:	Uses whole Edge Connector

AMP:BIT

AMP:BIT class D amplifer for micro:bit with headphone jack

The Amp:bit is the easiest way to connect a speaker or headphones to your BBC micro:bit. The Amp:bit plugs on to the edge of your micro:bit and gives you the option of plugging headphones or speakers into the provided headphone jack, or you can solder speaker wires directly to the provided pads. The spacing is perfect for our 2 pin 3.5mm screw terminals.

If you have a speaker connected to the speaker pads, the speakers will automatically mute when something is plugged in to the headphone socket. We also give you a volume control wheel so you can adjust the volume whenever you like.

Company:	Proto-PIC
URL:	https://www.proto-pic.co.uk
Connection Type:	Uses whole Edge Connector

Proto-PIC simon:says

Proto-PIC simon:says board for the BBC micro:bit

The simon:says board for micro:bit is a fun and exciting way to make a great working game without having to worry about the physical hardware side of things. Simply plug in your micro:bit and get coding!

The simon:says board comes with 4 input touch pads and 4 RGB LEDs (Neopixels) as well as a buzzer.

Either use the example code to get playing straight away or start from scratch.

Can you make a two player version using the radio function? Or how about a digital twister spinner? the choice is yours!

Company:	Proto-PIC
URL:	https://www.proto-pic.co.uk
Connection Type:	Uses whole Edge Connector

1up:bit

1up:bit controller for micro:bit

The 1up:bit is a low cost game pad / controller kit for the BBC micro:bit it will give you access to an analogue thumb stick much like the ones in a PSP and two extra buttons taking the count up to 4 including the A and B button on the micro:bit. We ensured you can still use this with our bat:bit cases to power your micro:bit on the move , the 1up:bit also includes an EDGE connector along the bottom edge so you can hook up other accessories such as the micro:pixel EDGE or the amp:bit

Company:	Proto-PIC
URL:	https://www.proto-pic.co.uk
Connection Type:	Uses whole Edge Connector

Moisture Sensor

Moisture Sensor for micro:bit

The moisture sensor for micro:bit allows your micro:bit to detect moisture, so if your plant is thirsty you'll know about it! or how about using one and a couple of micro:bits to tell you when your bath has reached the correct level?

To hook this up to your micro bit you will require alligator cables alternatively you can solder headers or a screw terminal to the board to make hooking it up to your other micro controller projects a dream.

Company:	Proto-PIC
URL:	https://www.proto-pic.co.uk
Connection Type:	Clips

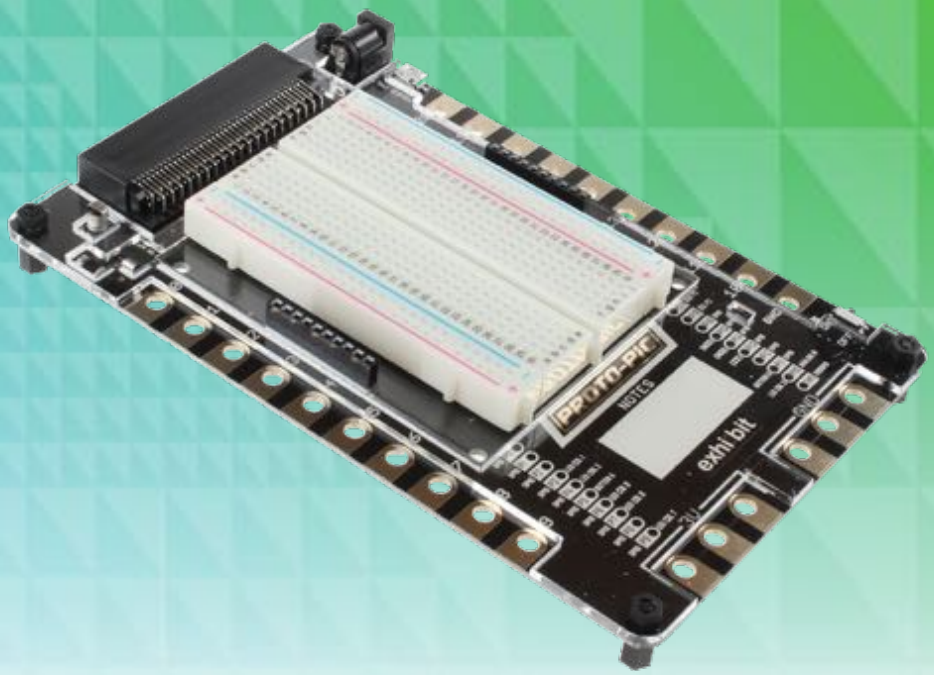
exhi:bit Pedestrian Crossing experiment board

exhi:bit Pedestrian Crossing experiment board for the BBC micro:bit

This board works with the exhi:bit and comes either as a pre soldered kit or a solder yourself kit.
It features everything a single pedestrian crossing does, traffic lights (Red, Amber and Green) and the pedestrian crossing with Red and Green lights for the crossing and an amber light for the wait signal. It also features a buzzer for the crossing tone.

Company:	Proto-PIC
URL:	https://www.proto-pic.co.uk
Connection Type:	Uses whole Edge Connector

exhi:bit Prototyping system

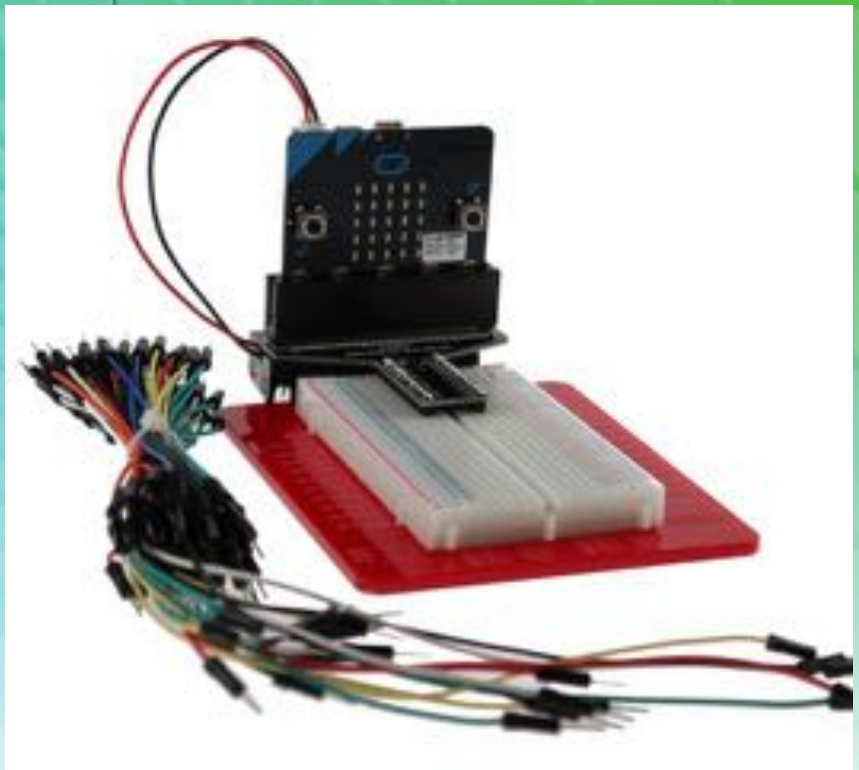


exhi:bit Prototyping system for the BBC micro:bit

This board breaks out all of the micro:bit pins to large pads suitable for crocodile clips and banana jacks as well as standard 2.54mm female headers.
it also has external power in from either USB or a DC jack and regulates the power down for the micro:bit.
It comes with a half sized breadboard for prototyping and a copy of this in a permanent prototyping area beneath making the unit into a permanent project board. Alternatively you can use a daughter board which plugs directly into the exhi:bit with the option of using pre existing experiments or your own with using a perma proto board.

Company:	Proto-TEC
URL:	https://www.proto-pic.co.uk
Connection Type:	Uses whole Edge Connector

bread:bit



bread:bit prototyping system for micro:bit

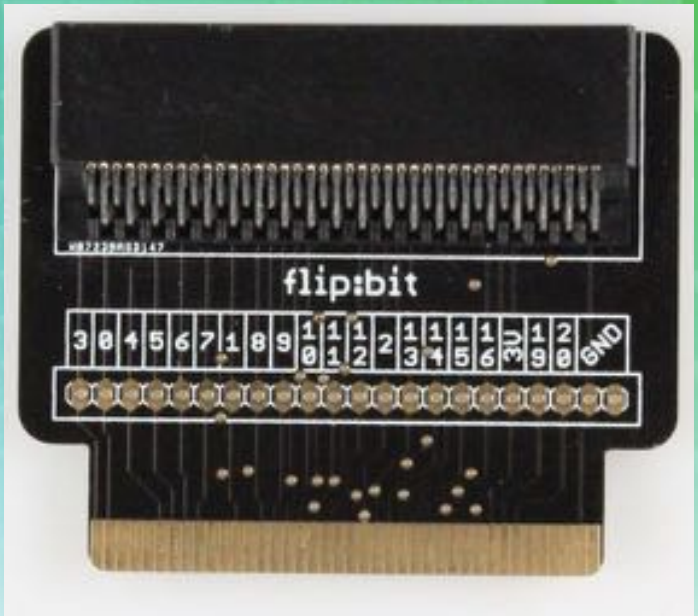
Are you looking for an inexpensive prototyping system for your micro:bit? well look no further! Part of our range of microbit accessories and addons, the bread:bit prototyping system fits snugly into the included breadboard giving you access to all of the micro:bits pins which you can then using the included male to male jumper wires build your own amazing project.

We include a base plate which has the micro:bits pin out engraved on to it so you can quickly see which pin is what. The four rubber feet stop your kit sliding around your desk and the included 2xAAA battery cage will fit perfectly under the bread:bit (we've even included double sided tape to make it super secure) making a super tidy and neat little prototyping area.

The bread:bit includes male headers which will require soldering however we can solder them for you using the option above.

Company:	Proto-PIC
URL:	https://www.proto-pic.co.uk
Connection Type:	Uses whole Edge Connector

flip:bit



flip:bit reverser for micro:bit

Would you like to be able to have your micro:bit facing the other way in what ever accessory you are using but the accessory doesn't support reversing the micro:bit? then the flip:bit is for you! simply solder up the provided through hole edge connector (or you can select the assembled version) insert your micro:bit with the LED matrix facing out and insert the entire assembly into whichever accessory you like - either way around!

Not only does the flip:bit let you reverse your micro:bit bit it also has the footprint for all of the micro:bits pins broken out giving you access to pins that your accessory might not make available, simply solder headers or wires directly to the provided pads and you are ready to use all of the available pins.

Company:	Proto-PIC
URL:	https://www.proto-pic.co.uk
Connection Type:	Uses whole Edge Connector

bat:bit battery case

bat:bit battery case for the BBC micro:bit

This case protects the micro bit using laser cut acrylic as well as providing 2 AAA batteries with a power switch for the micro:bit, this case does not require the use of screws to hook up power through the edge connector which leaves the connector free to be used with any compatible accessory. The batteries also do not need to be connected using the JST connector and instead use spring clips to access the test pads on the rear of the micro:bit.
No other tools are required as a small laser cut spanner is included in the pack.

Company:	Proto-PIC
URL:	https://www.proto-pic.co.uk
Connection Type:	Connects to the back of the board

Bob:Bit

bob:bit Breakout board to croc clip hoop adapter for BBC micro:bit

This simple little board allows you to connect up any standard 0.1" pitch breakout boards with 5 or less pins and breaks those pins out to croc clip hoops, making this little board especially useful for BBC micro:bit projects.

Company:	Proto-PIC
URL:	https://www.proto-pic.co.uk
Connection Type:	Connects to the Edge Connector

Temp:Bit

temp:bit - TMP36 Temperature sensor kit for BBC micro:bit

Is it getting hot in here? well with this little temperature sensor board for your micro:bit you'll be able to tell.

Breaking out the trusty TMP36 to 3 hoops for easy crocodile clip connection for your micro:bit and available as a kit (requiring 3 pins to be soldered), you should be taking readings in no time.

We've even created these blog posts showing example code and the formula required to change the millivolt reading to a usable temperature.

Company:	Proto-PIC
URL:	https://www.proto-pic.co.uk
Connection Type:	Connects to the Edge Connector

Rocket Car

Rocket Car

The BLOODHOUND Project is using a 1,000mph world land speed record attempt to inspire the next generation to enjoy, explore and get involved in science, technology, engineering and mathematics.

The project has teamed up with Microsoft to develop its model rocket car programme to integrate micro:bit enabling it to run a schools model rocket car competition.

Rocket car kits can be modified by school teams to run faster. This is a great opportunity to get students excited about science, work as a team and get hands on experience of programming and aerodynamics in one of the most fun ways possible.

Company:	RACE FOR THE LINE
URL:	http:www.racefortheline.com
Connection Type:	

Plant Control System

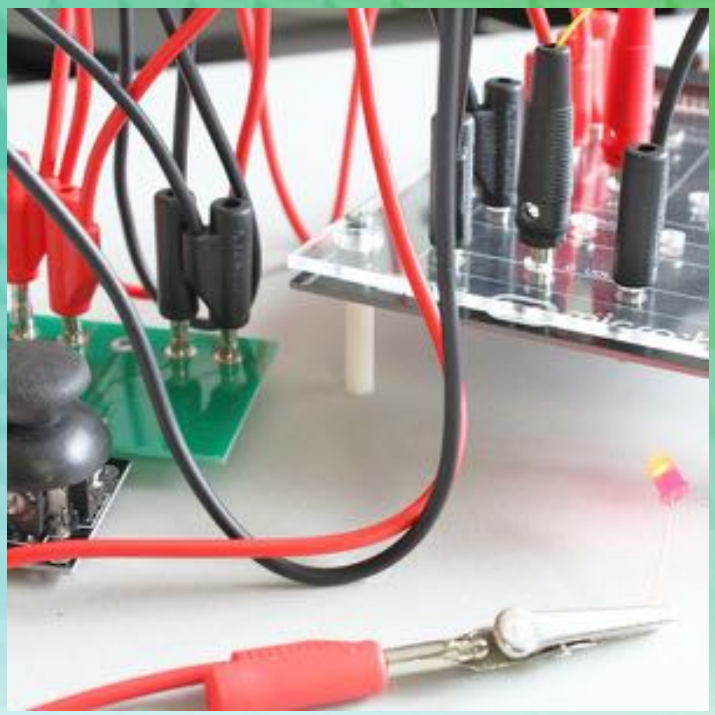
Plant Control System for the BBC micro:bit

Are you tired of unhealthy plants in your home, office or classroom? Then look no further than the all new micro:bit Plant Control System brought to you by ScienceScope. Our system is designed to manage your plant's soil moisture level and keep it healthy all year round.

The micro:bit creates a control system between the soil moisture spikes and the water pump to ensure the moisture level of the soil is maintained at a calibrated level set by you. This means our micro:bit Plant Control System is compatible plants with all different environmental needs.
The control system also incorporates a light sensor which can be used to determine the optimal indoor location for plant.

Company:	ScienceScope
URL:	https://sciencescope.uk/
Connection Type:	Uses whole Edge Connector

micro:bit School Prototyping Kit



micro:bit School Prototyping Kit for the BBC micro:bit

The micro:bit school prototyping kit is everything you need to begin using the micro:bit in a practical and visual way.

This comprehensive school prototyping kit has been designed for use with standard 4mm banana cables and crocodile clips to eliminate the need for soldering therefore making prototyping easier and safer for your students.

The kit includes the new ScienceScope micro:bit breakout board, a range of micro:bit compatible products as well as a variety of components.

Add-ons include the micro:bit breakout board, sound cable and joystick as well as an array of components such as LEDs, resistors and LDRs.

Company:	ScienceScope
URL:	https://sciencescope.uk/
Connection Type:	Edge Connector / clips/Plugs

CoderKits

CoderKits for the BBC micro:bit

The ScienceScope Coderkit has been designed to combine the teaching of programming and basic electronics using the BBC micro:bit in a creative and fun way. The kit includes four acrylic boards and a variety of components which can be connected using conductive paint allowing the user to create basic electronic circuits without the need for cables and soldering.

With a little bit of creativity the circuits can then be programmed using the BBC micro:bit to carry out a variety of functions. CoderKits are perfect for teaching the new computing curriculum allowing students to work from beginner to advanced.
The conductive paint can easily be washed off using soap and water making all boards reusable and allowing for the correction of simple mistakes.

Company:	ScienceScope
URL:	https://sciencescope.uk/
Connection Type:	4mm Pins

Grove Inventor Kit for micro:bit

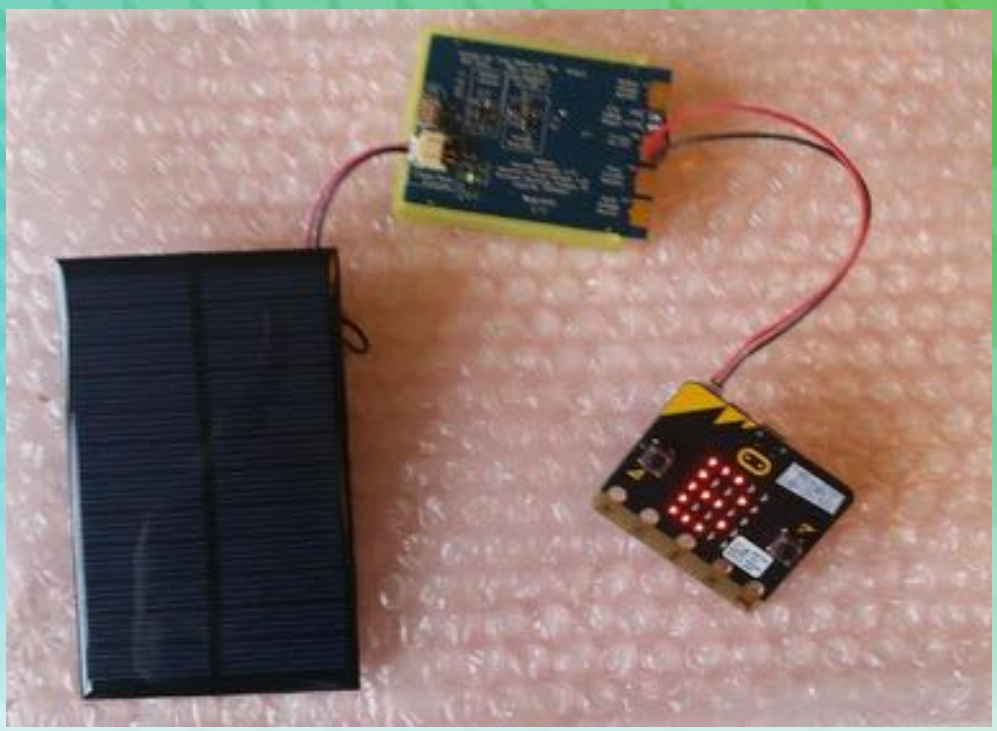
Grove Inventor Kit for micro:bit

The Grove Inventor Kit for Micro:bit brings endless possibilities to your micro:bit. The core board in this kit is the Grove shield for micro:bit, with which you can use plenty of Grove modules including sensors, display, actuator to interact with micro:bit. If you never used and have no idea what grove is, here is the introduction of Grove. All you need to know is that with Grove, there is no need of soldering or jump wires any more. Your prototyping will be easier and much more convenient.

We have already prepare 10 grove modules to let you get started with micro:bit. With these grove modules, you can measure distance and display it, use gesture to play different music, or make a smart guard for your desk or room. We have prepared all the necessary libraries(packages) for free download. If you are a beginner to micro:bit, don't worry because we have also prepare 12 different project which can teach you step by step. If you are an advanced user, this kit will help you more creative project than others.

Company:	Seeed
URL:	https://www.seeedstudio.com/
Connection Type:	Uses whole Edge Connector

Solar Battery



Solar Battery for the BBC micro:bit

Go green with your micro:bit, whatever the colour!

The micro:bit solar battery by Seenov (@seenovinc) not only powers the re-charable battery, it also provides real time battery voltage and solar panel energy metrics to the micro:bit over 3 output pins. And when the sun is not shining you can even run the micro:bit for 5 to 7 days on one battery charge from a USB connection.

A great cross-curriculum tool for children to learn about light / solar energy, and maybe even to inspire them to take an interest in renewable energy.

Company:	Seenov
URL:	http://www.seenov.com/product/11/
Connection Type:	Crocodile Clips/Banana Plugs

Gator:bit

Gator:bit for BBC micro:bit

The SparkFun gator:bit is an all-in-one “carrier” board for your micro:bit that provides you with a fully functional development and prototyping platform. Almost every pin on the micro:bit is broken out to pads that alligator (or crocodile, if you prefer) clips so you can get the most out of it! Whether it is data visualization using the five on-board addressable LEDs, capacitive touch sensing on pins 0, 1, & 2, or creating musical works of art using the built-in speaker we’ve got it covered with the with the SparkFun gator:bit!

Company:	SparkFun
URL:	https://www.sparkfun.com/products/14484
Connection Type:	Whole edge connector

micro:bot kit

Robots are fun, and the micro:bit is the perfect controller for learning how to build and program robots! Combining the micro:bit with the SparkFun moto:bit carrier board creates a flexible, low-cost robotics platform for robot enthusiasts young and old! With the SparkFun micro:bot kit you will be able to create simple robots quickly without spending hours learning how to build and program your bot.

Inside each micro:bot kit you will find all the components required to build your micro:bit into a robotics powerhouse; the only part that's not included is the micro:bit itself. Simply add your own micro:bit to the provided moto:bit, assemble the kit, and you will be ready to start moving. The SparkFun micro:bot kit is a great way to get your feet wet in the world of robotics.

The kit does not require any soldering and is recommended for anyone curious about robotics or the micro:bit platform.

Company:	SparkFun
URL:	http://www.sparkfun.com/microbit
Connection Type:	Uses whole Edge Connector

micro:climate kit

micro:climate kit

The SparkFun micro:climate kit is a full weather station kit that is built on top of the weather:bit carrier board. Unlike previous weather kits we've carried, the micro:climate kit includes our tried-and-true Weather Meters and Soil Moisture Sensor, so whether you're an agriculturalist, a professional meteorologist or a hobbyist, you will be able to build a high-grade weather station powered by the micro:bit. You can even talk via wireless communication between two micro:bits with this kit to be able to monitor the weather without being exposed to it!

Inside each micro:climate kit you will find all the components required to build your micro:bit into a go-to weather sensor; the only parts not included are two AA batteries and the micro:bit itself. Simply add your own micro:bit to the provided weather:bit, assemble the kit, and you will be ready to start sensing. The SparkFun micro:climate kit is a great way to get your feet wet in high-grade sensors — just not literally; that's the weather:bit's job!

Company:	SparkFun
URL:	http://www.sparkfun.com/microbit
Connection Type:	Uses whole Edge Connector

micro:arcade kit

micro:arcade kit

We love games! We love writing games, building games and, yes, even building game consoles. That's where the SparkFun micro:arcade kit for the micro:bit comes in! The kit includes our gamer:bit carrier board, which gives you access to a number of pins in the form of buttons laid out in a similar form factor to the classic Nintendo NES controller. With the micro:arcade kit you will be able to turn a classic controller into an arcade cabinet by connecting just a few buttons and switches.

Inside each micro:arcade kit you will find all the components required to build your micro:bit into a full-fledged game system; the only parts not included are two AA batteries and the micro:bit itself. Simply add your own micro:bit to the provided gamer:bit, assemble the kit, and you will be ready to start playing. The SparkFun micro:arcade kit is a great way to build the arcade setup you've always wanted!

Company:	SparkFun
URL:	http://www.sparkfun.com/microbit
Connection Type:	Uses whole Edge Connector

SparkFun Inventor's Kit for micro:bit

SparkFun Inventor's Kit for micro:bit

The SparkFun Inventor's Kit (SIK) for micro:bit is a great way to get creative, connected and coding with the micro:bit. The SIK for micro:bit provides not only the micro:bit board but everything you need to hook up and experiment with multiple electronic circuits! With the SIK 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.

The SparkFun Inventor's Kit for micro:bit is the latest and greatest in single-board computer kits. Surrounding the micro:bit SIK is one core philosophy — that anyone can (and should) experiment with cutting-edge electronics in a fun and playful way without breaking the bank.

Company:	SparkFun
URL:	http://www.sparkfun.com/microbit
Connection Type:	Uses whole Edge Connector

moto:bit

The SparkFun moto:bit is a fully loaded “carrier” board for the micro:bit that, when combined with the micro:bit, provides you with a fully functional robotics platform. The moto:bit offers a simple, beginner-friendly robotics controller capable of operating a basic robotics chassis. Onboard each moto:bit are multiple I/O pins capable of hooking up servos, sensors and other circuits. At the flip of the switch you can get your micro:bit moving!

The moto:bit connects to the micro:bit via an edge connector at the top of the board, making setup easy. This creates a handy way to swap out micro:bits for programming, while still providing reliable connections to all of the different pins on the micro:bit. We have also included a basic barrel jack on the moto:bit that is capable of providing power to anything you connect to the carrier board.

Company:	SparkFun
URL:	http://www.sparkfun.com/microbit
Connection Type:	Uses whole Edge Connector

weather:bit

The SparkFun weather:bit is a fully loaded “carrier” board for the micro:bit that, when combined with the micro:bit, provides you with a fully functional weather station. With the weather:bit you will have access to barometric pressure, relative humidity and temperature readings. There are also connections on this carrier board to optional sensors such as wind speed, direction, rain gauge and soil readings! The micro:bit has a lot of features and a lot of potential for weather data collection.

The weather:bit connects to the micro:bit via an edge connector at the top of the board, making setup easy. This creates a handy way to swap out micro:bits for programming, while still providing reliable connections to all of the different pins on the micro:bit. We have also included serial and I^2C ports on the weather:bit for optimized connectivity if you so choose.

Company:	SparkFun
URL:	http://www.sparkfun.com/microbit
Connection Type:	Uses whole Edge Connector

micro:bit Br

micro:bit Breakout (with Headers)

The SparkFun micro:bit Breakout is a board that connects to the BBC micro:bit and expands the capabilities of the development platform by providing access to more pins and allowing for connections to the I^2C and SPI buses. This breakout board for the micro:bit's edge connector allows intermediate and advanced users to connect the micro:bit to breadboards and other sensors, motors, LEDs and more!

The micro:bit on its own has three digital/analog input/output rings available for you to use initially with alligator clips. With the micro:bit breakout we have broken out all 21 GPIO pins, power and ground to a pre-soldered 0.1" header. With this breakout you will be able to unlock the full potential of your micro:bit!

Company:	SparkFun
URL:	http://www.sparkfun.com/microbit
Connection Type:	Uses whole Edge Connector

gamer:bit

The SparkFun gamer:bit is a fun-filled “carrier” board for the micro:bit that, when combined with the micro:bit, provides you with a fully functional game system. Designed in a similar form factor to the classic Nintendo NES controller, the gamer:bit is equipped with a four-direction “D-pad” on the left side of the board and two action buttons on the right side of the board. The two push buttons on the micro:bit in the center function as start and select.

The gamer:bit connects to the micro:bit via an edge connector in the center of the board, making setup easy. This creates a handy way to swap out micro:bits for programming, while still providing reliable connections to all of the different pins on the micro:bit. We have also included several poke home connectors on the back of the board that correspond to each button on the gamer:bit, allowing you to use external parts to control your game!

Company:	SparkFun
URL:	http://www.sparkfun.com/microbit
Connection Type:	Uses whole Edge Connector

Micro:slothbit

Humanoid robot for BBC micro:bit

MICRO:BIT - BBC micro:bit micro-controller with motion detection, compass, LED display and Bluetooth.
APP PROGRAMMING - Visual programming can be completed by micro:bit APP on ipad, tablet or cellphone
Obstacle Avoidance - Automatically bypass obstacles ahead, it is intelligent enough.
SOUND SENSOR - Controlled the sloth:bit by clapping your hands or sounds from other actions.
FUNNY PLAY - Sloth:bit can be very easy to program and play with the BBC micro:bit.

Company:	SunFounder
URL:	https://www.sunfounder.com/humanoid-robot-bbc-micro-bit.html
Connection Type:	Whole edge connector

micro:craft pack

micro:craft pack for the BBC micro:bit

Tech and craft come together.

With regularly updated projects out of the box, you'll make things from music instruments out of fruit to a football game.

Company:	Technology Will Save Us
URL:	https://www.techwillsaveus.com/
Connection Type:	Crocodile Clips/Banana Plugs / Radio

micro:bot pack

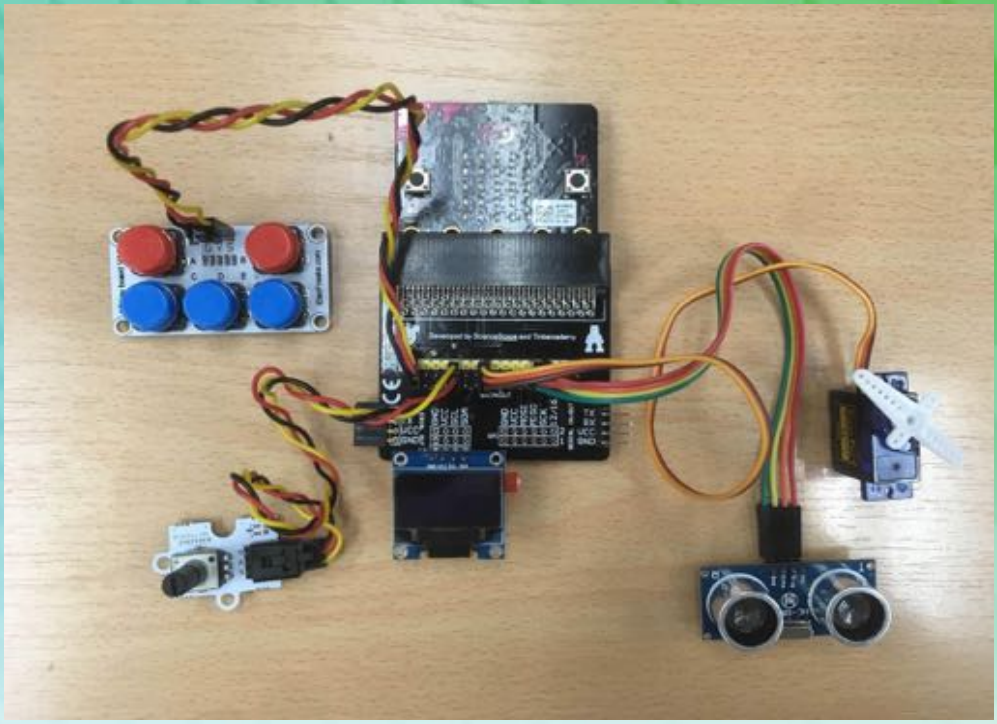
micro:bot pack for the BBC micro:bit

micro:bit powered robot which you build yourself!

Say hello to the simplest and coolest robot for kids. Learn to build & code 3 different types of toy robots, then use your new creative skills to invent any bot you can imagine!

Company:	Technology Will Save Us
URL:	https://www.techwillsaveus.com/
Connection Type:	Crocodile Clips/Banana Plugs / Radio

Tinkercademy GVS Breakout Board



Tinkercademy GVS Breakout Board for the BBC micro:bit

With this accessory board for the BBC micro:bit, you can easily connect a wide variety of low-cost sensor and output modules to the BBC micro:bit without having to deal with messy breadboard wires. When paired with compatible modules, this becomes especially suitable for the classroom as students get to expand the capabilities of their BBC micro:bit without fear of making mistakes with wiring. Compatible modules are available from many different vendors and include motion sensors, touch sensors, soil moisture sensors, small servo motors, OLED displays, and many more. These modules already exist as they were originally designed for the Arduino platform, and many of them can be also used with the BBC micro:bit via the Tinkercademy GVS Breakout Board.

Company:	Tinkertanker TINKERCADEMY
URL:	https://tinkertanker.com
Connection Type:	Uses whole Edge Connector

Speaker

Speaker for BBC micro:bit

Tiny clip-on piezo electric speaker for micro:bit

micro:bit one-touch speaker is detachable in one operation easily.

Since it is cableless, it does not interfere with connecting micro:bit to a battery box.

Even children can use the one-touch speaker because it is unnecessary to tighten screws every time.

It equips our original bane-plug (PAT.P) .

Company:	TFabWorks
URL:	https://tfabworks.com/en/tfw-sp1/
Connection Type:	Clips on to edge connector

Switch

Control switch for BBC micro:bit

The program control switch for micro: bit (microbit) which can be detached with one touch TFW - SW 1 can program and control the electricity stored in the condenser with a hand - held power generator in the science class of elementary school sixth graders . Starter kit C1 which this program control switch is bundled is also available..

Company:	TFabWorks
URL:	https://tfabworks.com/product/tfw-sw1/
Connection Type:	Clips on to edge connector

Servo board

Servo motor connect board for BBC micro:bit

It is a board for connecting only the power supply from the battery box while connecting in the same way as the wiring diagram appearing in the simulator of the micro: bit block editor. There is a servo connect board set for micro: bit (MB-SET-SB1) , which is a set of board box and micro servo .

Company:	TFabWorks
URL:	https://tfabworks.com/product/tfw-sb1/
Connection Type:	Clips on to edge connector

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Company:	TFabWorks
URL:	https://tfabworks.com/en/tfw-sp1/
Connection Type:	Clips on to edge connector

Ultrasonic sensor

Sensor for BBC micro:bit

It is an ultrasonic distance sensor that combines with micro: bit with one touch.

Company:	TFabWorks
URL:	https://tfabworks.com/product/tfw-ds1/
Connection Type:	Clips on to edge connector

Trashbots

Trashbot kit for BBC micro:bit

The Trashbots kit is an affordable robotics kit that allows users to maximize the creativity used. This kit can be used to teach many STEM concepts ranging from programmatic thinking to basic mechatronics to text-based programming. Kids all over the world can use it regardless of place (rural or urban) or age (K-12).

Company:	TrashBots
URL:	https://www.trashbots.co/
Connection Type:	Whole Edge Connector

Kitibot

Kitibot robot for BBC micro:bit

When KitiBot meets micro:bit, when kids meet programming, the mysterious robotics becomes simple, each interesting idea will come true. By using the graphical programming software, learning programming, and exploring robotics would be as easy as building blocks. This KitiBot tracked robot kit uses the BBC micro:bit (NOT included) as the host controller, combined with several functional modules, it is easy for the kids to experience robotic tricks such as: line tracking, obstacle avoiding, ultrasonic ranging, servo operation, Bluetooth remote control, etc.

Company:	Waveshare
URL:	https://www.waveshare.com/kitibot-for-micro-bit-acce-c.htm
Connection Type:	Uses whole edge connector

LCD Screen

LCD screen for BBC micro:bit

This is a colorful display module designed for the BBC micro:bit, 1.8inch diagonal, 160x128 pixels, capable of displaying 65K colors. Tired of the 5x5 LED matrix?

Features:

micro:bit edge connector, directly pluggable. Embedded driver ST7735S, supports 65K colors. Onboard SRAM 23LC1024, used as display cache, no more out of memory. SPI interface, takes up only a few IO pins. Backlight adjustment via PWM. Reserved solder pads for control interface, make it easy to connect with Arduino/Nucleo boards.Comes with development resources (micro:bit graphical demo/python code/user manual, etc.).

Company:	Waveshare
URL:	https://www.waveshare.com/1.8inch-lcd-for-micro-bit.htm
Connection Type:	Uses whole edge connector

Woden Robot

Woden Robot for the BBC micro:bit

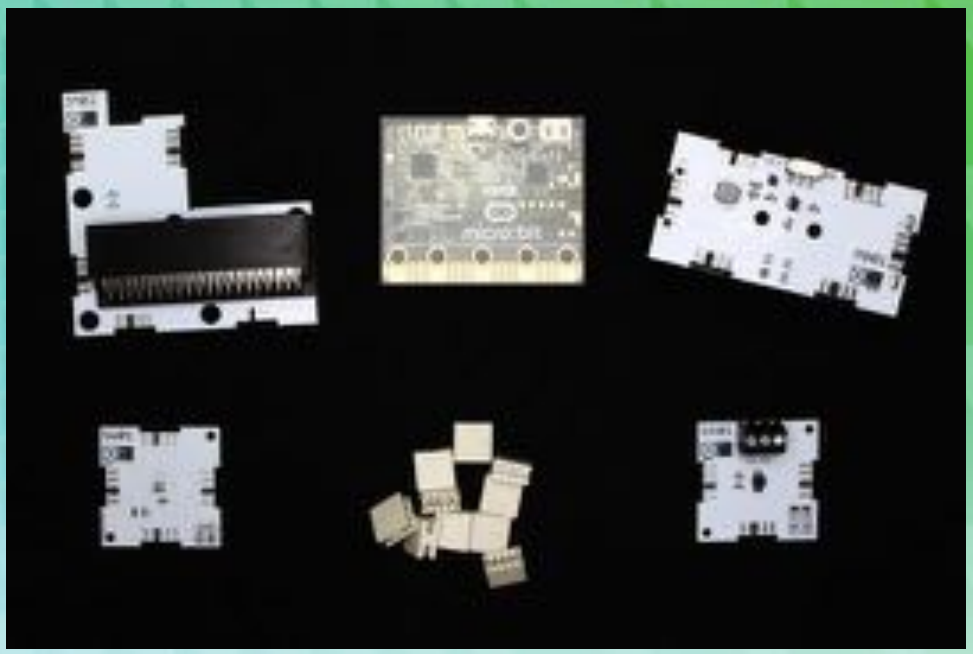
This is a small robot with three wheels that will keep children and adults entertained for hours while learning about programming and robotics.

Program your micro:bit to make it drive around following your commands, or add a second micro:bit to act as a remote control.

It also has space to add other functions, so it can be customised and modified.

Company:	Woden
URL:	http://www.woden.me.uk
Connection Type:	Uses whole Edge Connector

STEM MICRO:BIT KIT



STEM Kit for micro:bt

XinaBox is a modular hardware system for developing, prototyping and small runs of electronics - perfect for IoT, and STEM education.

We produce a range of 70+ modular "xChips", which include cores/CPUs, sensors, power, communication, output, and storage, using a connectivity standard without wires, soldering, breadboards or hardware knowledge.

The STEM Micro:Bit Kit consists of the following: OC05 - Servo Driver, OD01 - OLED display, IM01 - Micro:Bit Interface, PB04 - Dual AA Intelligent Battery, SL01 - UVA, UVB and Visible Light Sensor, SW01 - Advanced Weather Sensor, XC10 - 10-Pack ☒BUS Connectors.

Company:	XinaBox	☒ IN A BOX ☒ IN A BOX
URL:	https://xinabox.cc/collections/kits/products/xk04	
Connection Type:	Whole edge connector	

zbit:builder

zbit:builder for the BBC micro:bit

zbit:builder provides a grid of up to 20x11 holes for you to build your own electronics for the micro:bit. This grid consists of a central area of 14x9 holes for soldering your components surrounded by holes giving access to all of the micro:bit's GPIO and power rails.

zbit:builder has been designed to make it easy for you to build boards using a vast range of Sensors, Display Boards and wireless functions such as WiFi and GPS (available from various companies) which can then be attached to your micro:bit!

Like all 'zbit:connect' family boards, zbit:builder uses the unique 'zbit:connector' which allows it to be simply 'bolted' on to the bottom of your micro:bit!

Furthermore the micro:bit compatible edge connector allows it to be plugged into other micro:bit accessories or attached to more zbit:connect boards!

Company:	zbit:connect
URL:	http://www.zbit-connect.co.uk/
Connection Type:	Uses whole Edge Connector

zbit:toolbelt

zbit:toolbelt for the BBC micro:bit

zbit:toolbelt provides a 40 pin connector into which you can plug a range of Sensors, LEDs and zbit:toolkit boards.
Boards in the zbit:toolkit range include zbit:headphones, zbit:shaker, zbit:power and zbit:logic:probe.
Experiment by connecting extra electronic components to your micro:bit and control them from your code.
Like all 'zbit:connect' family boards, zbit:toolbelt uses the unique 'zbit:connector' which allows it to be simply 'bolted' on to the bottom of your micro:bit!
Furthermore the micro:bit compatible edge connector at the bottom allows it to be plugged into other micro:bit accessories or attached to more zbit:connect boards!

Company:	zbit:connect
URL:	http://www.zbit-connect.co.uk/
Connection Type:	Uses whole Edge Connector

zbit:PiDapter and Raspberry Pi

zbit:PiDapter and Raspberry Pi for the BBC micro:bit

zbit:PiDapter connects the micro:bit's GPIO to the Raspberry Pi GPIO with your micro:bit plugged directly onto the 40 way GPIO Header of the Raspberry Pi thus allowing you to control your Raspberry Pi from your micro:bit!

For instance you could create a tilt controlled Raspberry Pi game by programming the micro:bit to send 'tilt' signals to the Raspberry Pi via GPIO from the micro:bit's accelerometer sensor.
Or you could create a remote controller for your Raspberry Pi by using a second micro:bit to send radio commands to the micro:bit on your Raspberry Pi.
Like all 'zbit:connect' family boards, zbit:PiDapter uses the unique 'zbit:connector' which allows it to be simply 'bolted' on to the bottom of your micro:bit!
Furthermore the micro:bit compatible edge connector allows it to be plugged into other micro:bit accessories or attached to more zbit:connect boards!

Company:	zbit:connect
URL:	http://www.zbit-connect.co.uk/
Connection Type:	Uses whole Edge Connector

zbit:speaker

zbit:speaker for the BBC micro:bit

zbit:speaker provides an on-board 8 Ohm 300mW Loudspeaker with Volume Control and Headphones Socket so that your micro:bit can generate sound effects. You can generate sound effects via the on-board Loudspeaker or via Headphones. For louder sound effects plug a pair of PC Speakers into the Headphones Socket. Or for wireless sound effects plug a Bluetooth Audio Transmitter into the Headphones Socket!
Like all 'zbit:connect' family boards, zbit:speaker uses the unique 'zbit:connector' which allows it to be simply 'bolted' on to the bottom of your micro:bit!
Furthermore the micro:bit compatible edge connector allows it to be plugged into other micro:bit accessories or attached to more zbit:connect boards!

Company:	zbit:connect
URL:	http://www.zbit-connect.co.uk/
Connection Type:	Uses whole Edge Connector