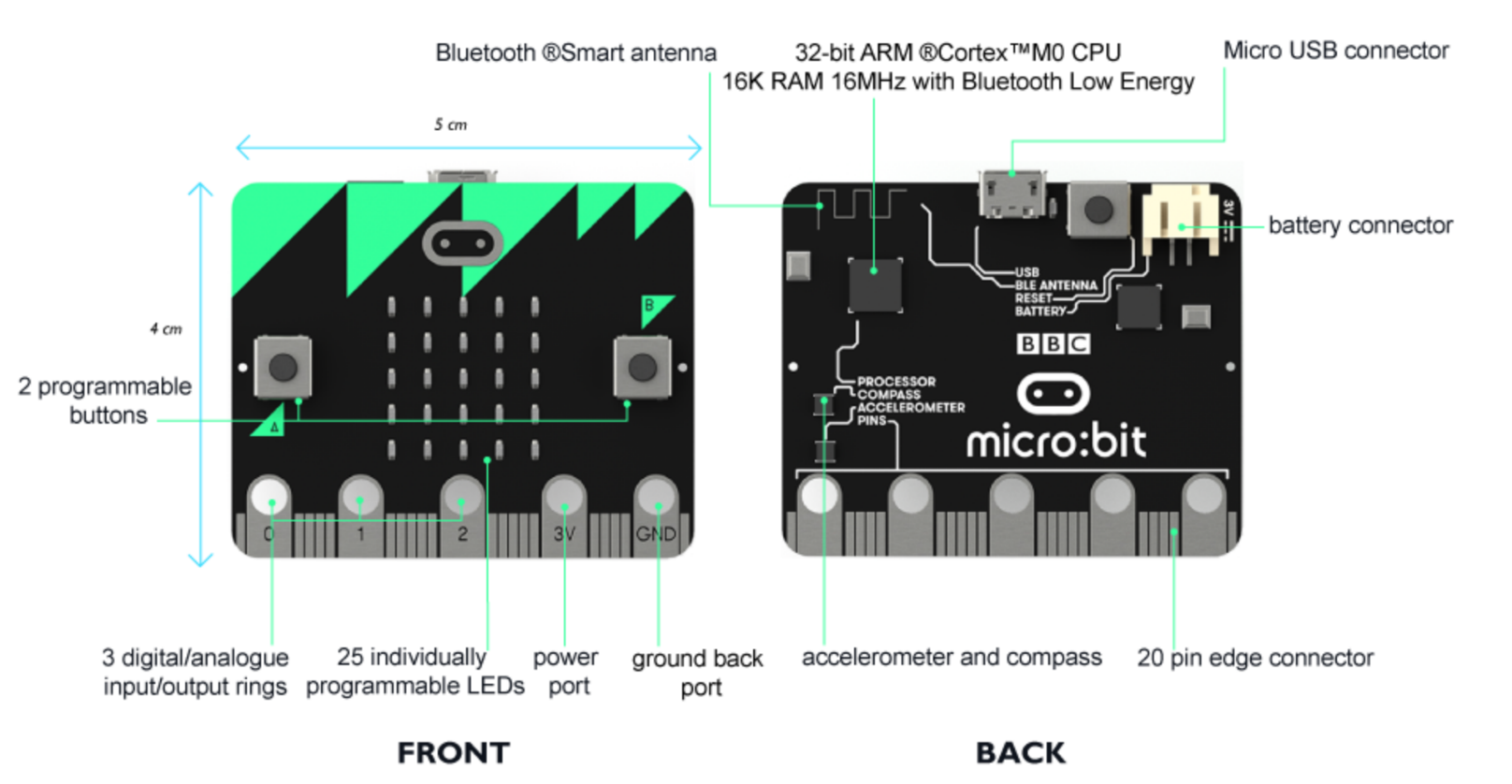
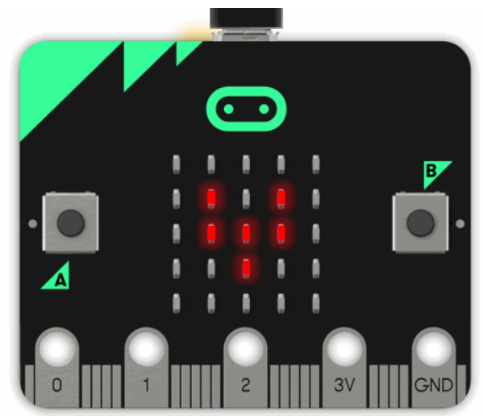
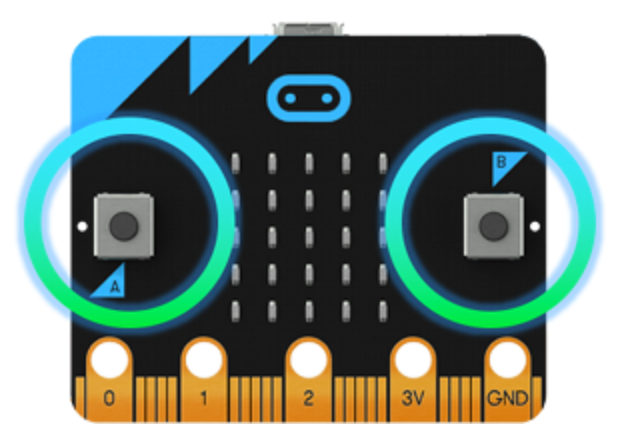
**The features of the micro:bit**

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*Source:* [*http://microbit.org/guide/features/*](http://microbit.org/guide/features/)

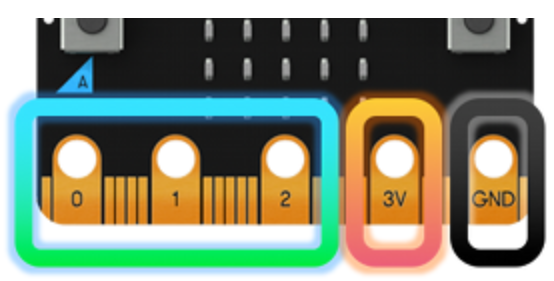
**LED**

LED stands for Light Emitting Diode. The micro:bit has 25 individually-programmable LEDs, allowing you to display text, numbers, and images.

**A and B Buttons  
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There are two buttons on the front of the micro:bit (labelled A and B). You can detect when these buttons are pressed, allowing you to trigger code on the device.

**Pins**

T

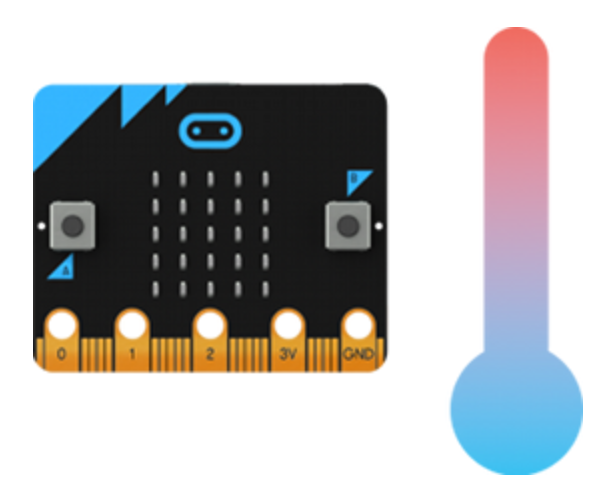
There are 25 external connectors on the edge connector of the micro:bit, which we refer to as 'pins'. Program motors, LEDs, or other electrical components with the pins, or connect extra sensors to control your code!

**Light sensor**



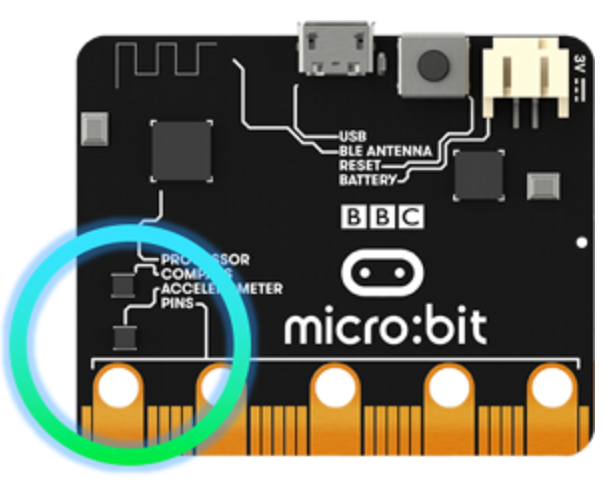
By reversing the LEDs of the screen to become an input, the LED screen works as a basic light sensor, allowing you to detect ambient light.

**Temperature sensor**

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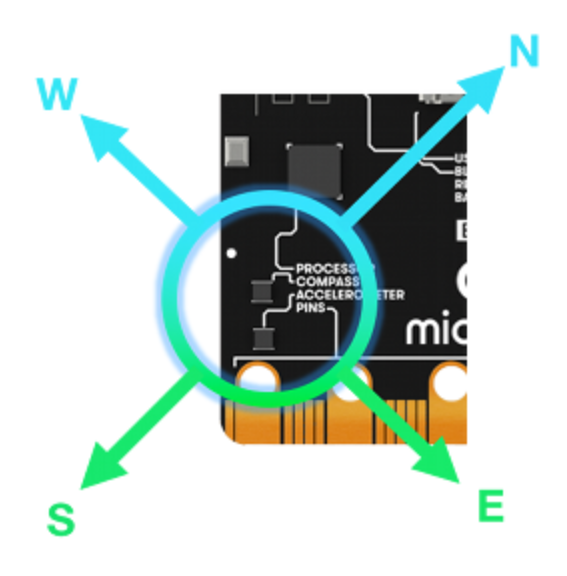
This sensor allows the micro:bit to detect the current ambient temperature, in degrees Celsius.

**Accelerometer**

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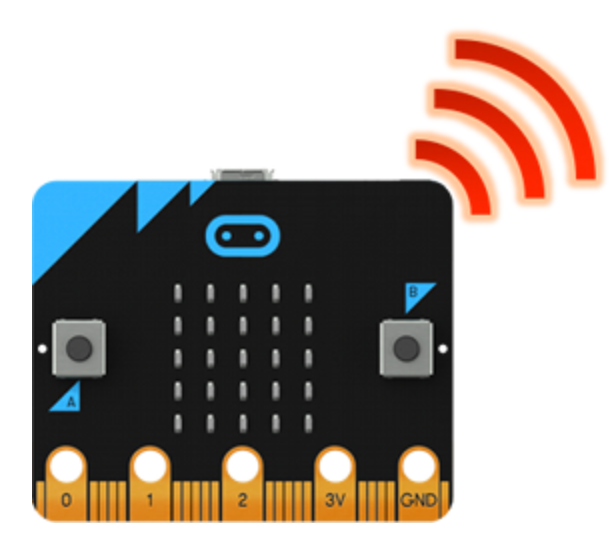
An accelerometer measures the acceleration of your micro:bit; this component senses when the micro:bit is moved. It can also detect other actions, e.g. shake, tilt, and free-fall.

**Compass**



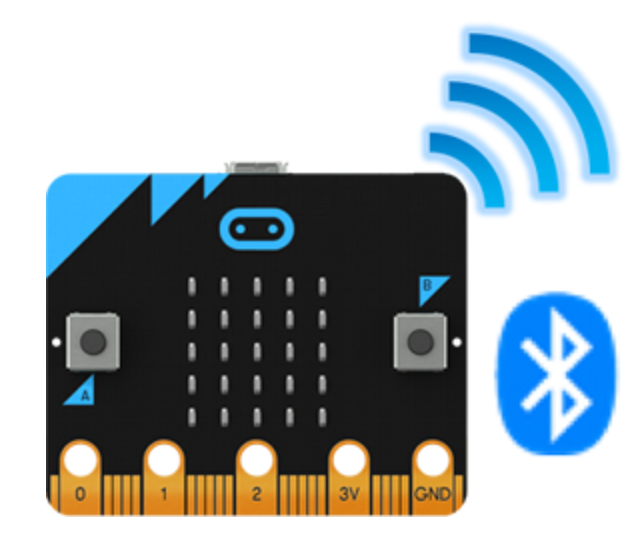
The compass detects the earth's magnetic field, allowing you to detect which direction the micro:bit is facing. The compass has to be calibrated before it can be used.

**Radio**



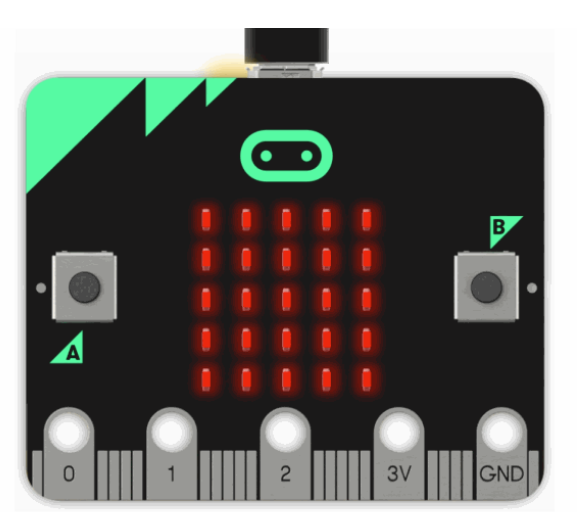
The radio feature allows you to communicate wirelessly between micro:bits. Use the radio to send messages to other micro:bits, build multiplayer games, and much more!

**Bluetooth**



A BLE (Bluetooth Low Energy) antenna allows the micro:bit to send and receive Bluetooth signals. This allows the micro:bit to wirelessly communicate with PCs, Phones, and Tablets, so you can control your phone from your micro:bit and send code wirelessly to your device from your phone!

**USB interface**



The USB interface allows you to connect the micro:bit to your computer via a micro-USB cable, which will power the device and allow you to [download programs onto the micro:bit.](http://microbit.org/guide/hardware/usb)