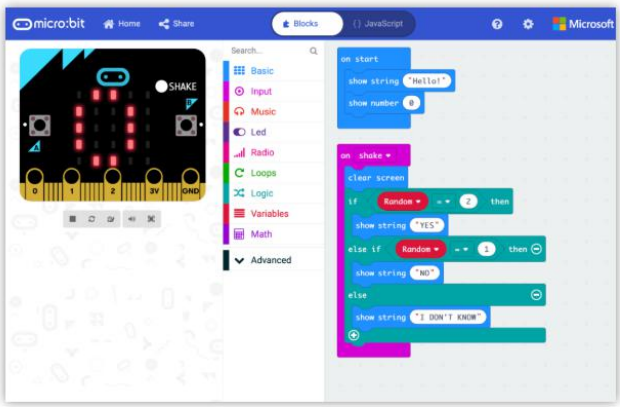
1. What is Micro:bit?

The micro:bit is a tiny computer that makes coding tangible and promotes digital creativity.

About the programming environment, the BBC provides an online programming website https://microbit.org/code/, which has an easy-to-use graphical programmer MakeCode.



MakeCode Editor

The MakeCode editor provided by Microsoft makes it easy to program your micro:bit with blocks and JavaScript. Find out more about the latest features in MakeCode.

If you're having issues accessing the editor, or want to use it offline, check out the FAQ.

Let's Code

Reference

Lessons

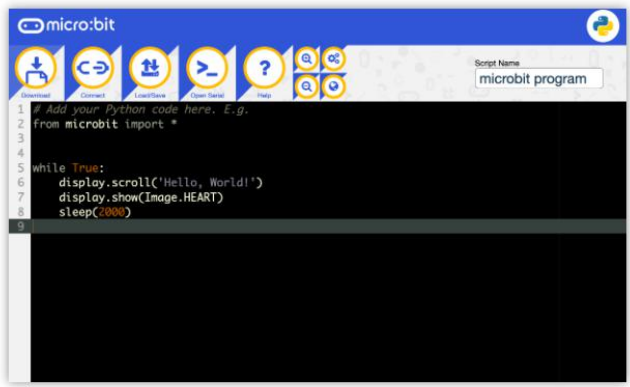
It also support Python programming.

Python Editor

Our Python editor is perfect for those who want to push their coding skills further. A selection of snippets and a range of premade images and music give you a helping hand with your code. Powered by the global Python Community. Find out more about the latest features in version 2 of the Python Editor.

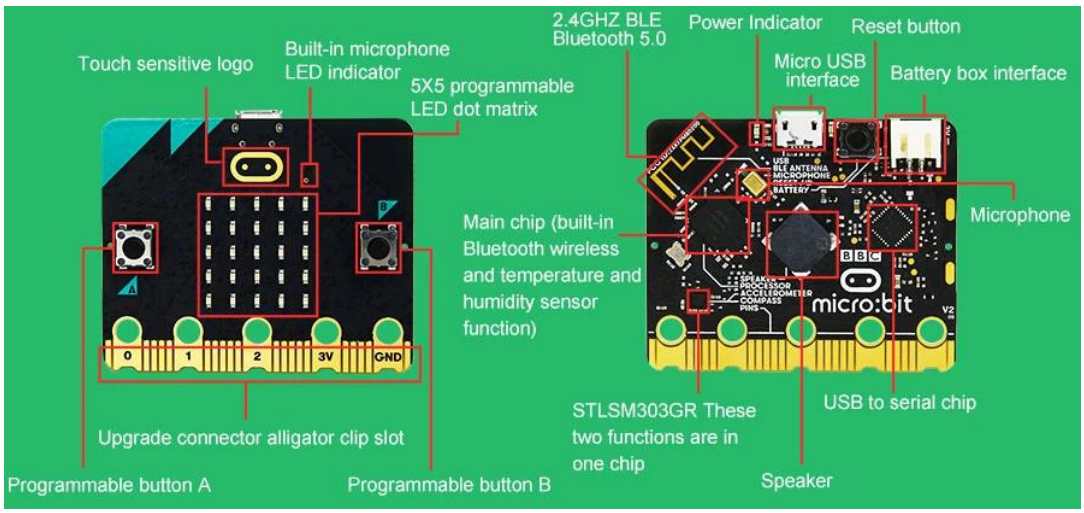
Let's Code

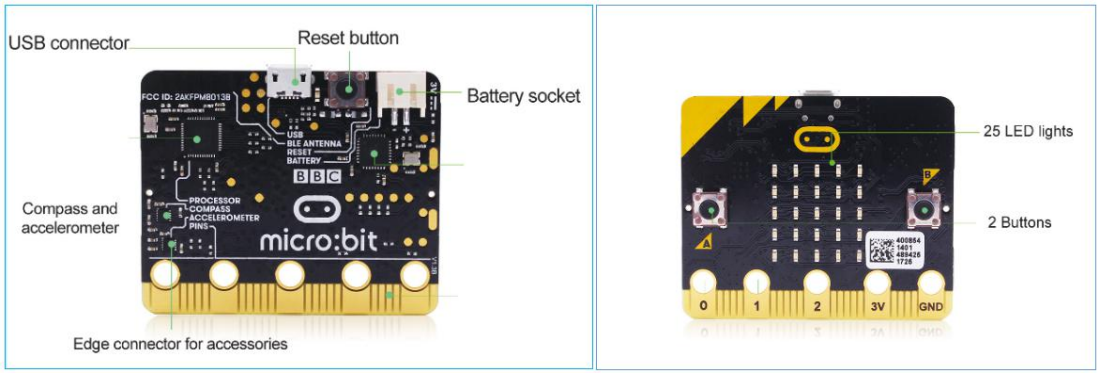
Reference



2. Introduction of Micro:bit hardware distribution diagram

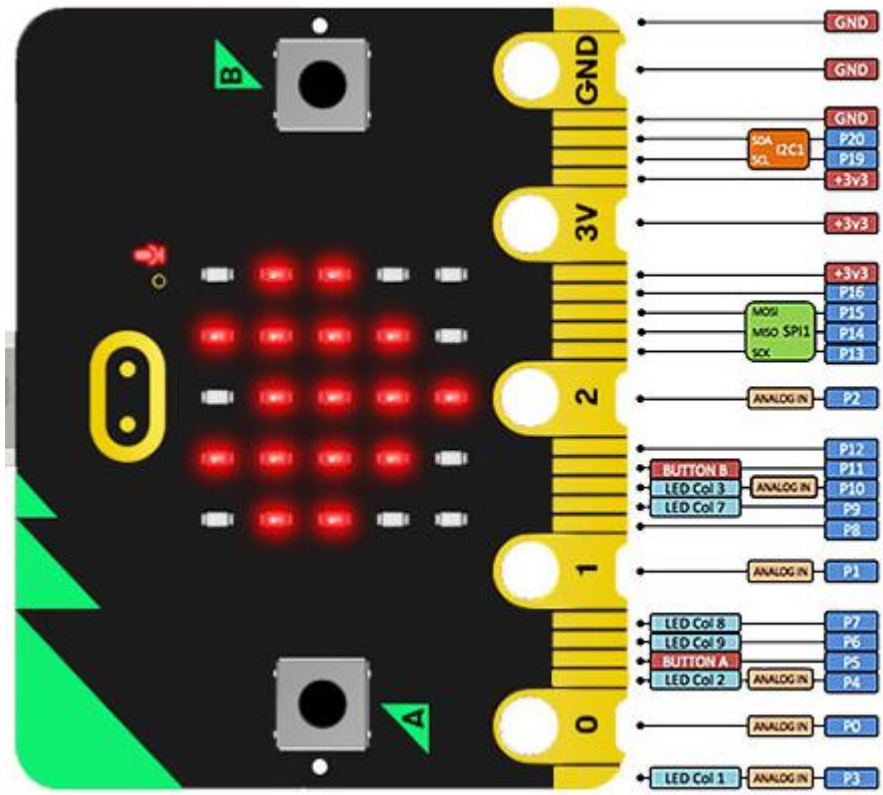
Micro:bit V2 board



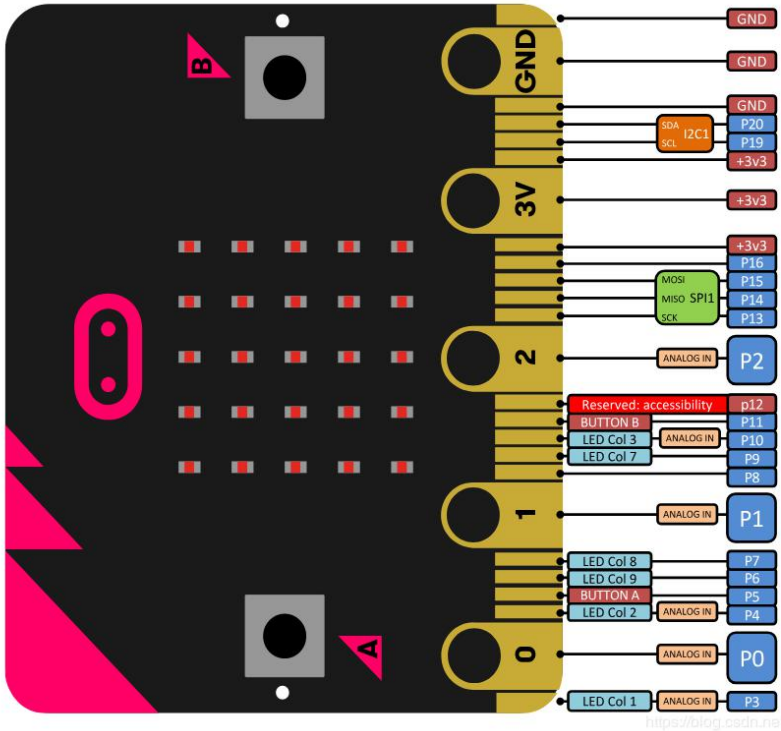


The function introduction of Micro:bit pin,as shown below.

Micro:bit V2 board



Micro:bit V1.5 board


B
A
GND
3V
2
1
0
GND
GND
GND
P20
P19
+3v3
I2C1
SDA
SCL
+3v3
+3v3
P16
P15
P14
P13
MOSI
MISO
SCK
SPI1
ANALOG IN
P2
Reserved: accessibility
BUTTON B
LED Col 3
LED Col 7
p12
P11
P10
P9
P8
ANALOG IN
ANALOG IN
P1
LED Col 8
LED Col 9
BUTTON A
LED Col 2
P7
P6
P5
P4
ANALOG IN
ANALOG IN
P0
LED Col 1
ANALOG IN
P3