MB0098 keyestudio Original BBC Micro:Bit Main Board NRF51822
Bluetooth for kids starter to programming/support windows,iOS etc

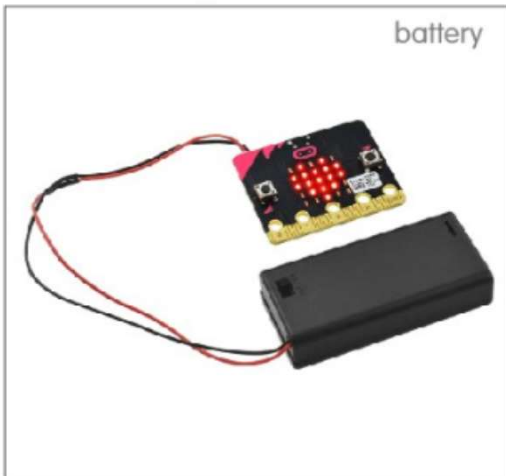**Difference between micro:bit and Arduino**

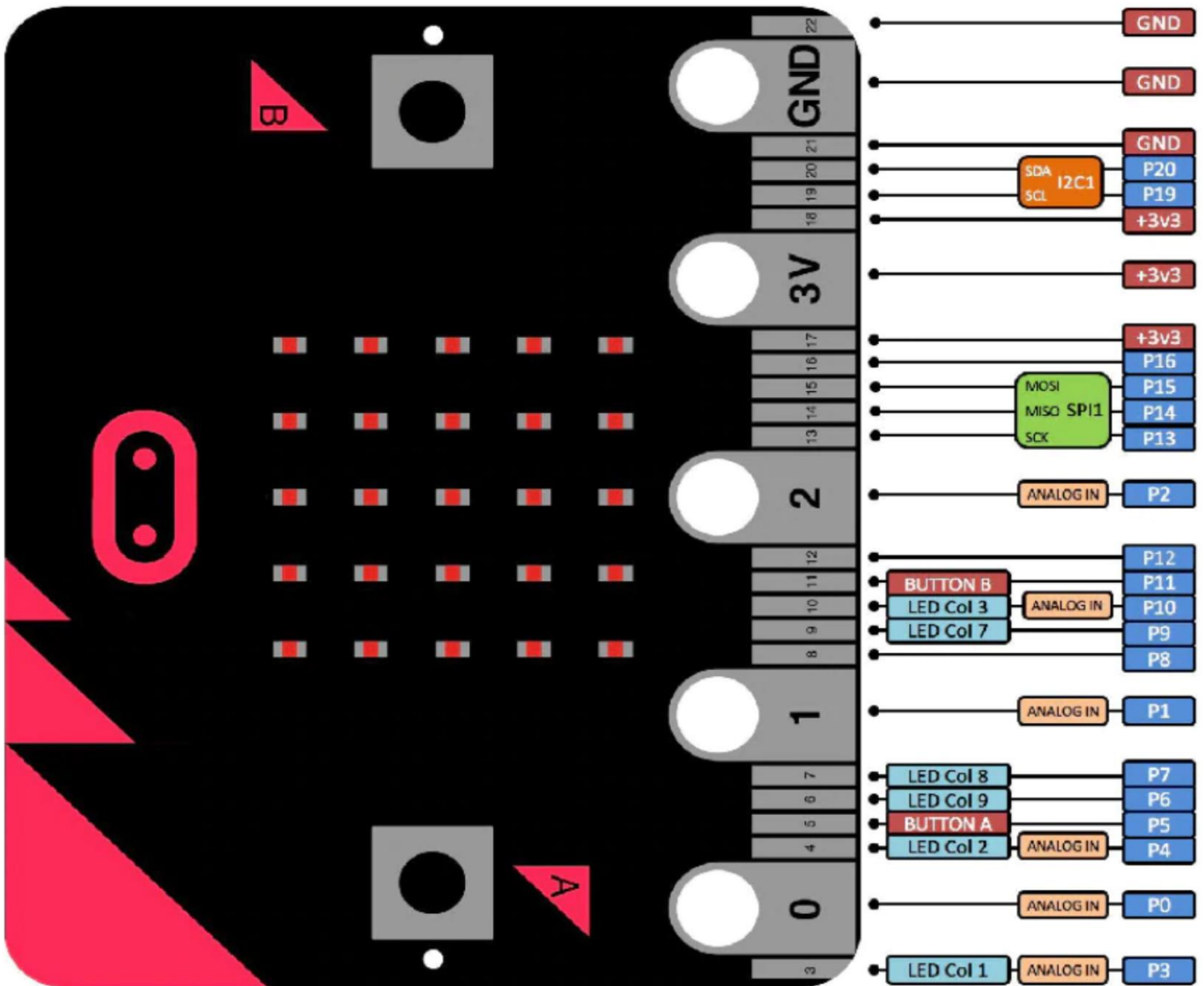|	Micro:bit	UNO R3
Suitable for	Students and Experimenters primary schools	Students and Experimenters high schools
Processor	ARM Vortex-MO NRF51822	ATmega329P
Size	52x43x12mm	75x53x14mm
Programming environment	Online program tool + offline tools	Offline program tools (Arduino IDE)
Programming language	Graphical programming tool Micro Python, Scratch	C,C++
On-board Components	I/O signal port: Bluetooth: Accelerometer: electronic compass: button: LED dot matrix	I/O signal port: LED
Connect external devices	Alligator clip: breakout board	Jumper wire: shield
Voltage compatible	3V	3V-5V

Brief Overview

micro: bit is a microcontroller of ARM structure designed by the British BBC. It is only half size of a credit card, on-board with Bluetooth, accelerometer, electronic compass, thee buttons, 5 x 5 LED dot matrix, mainly used for teens programming education.
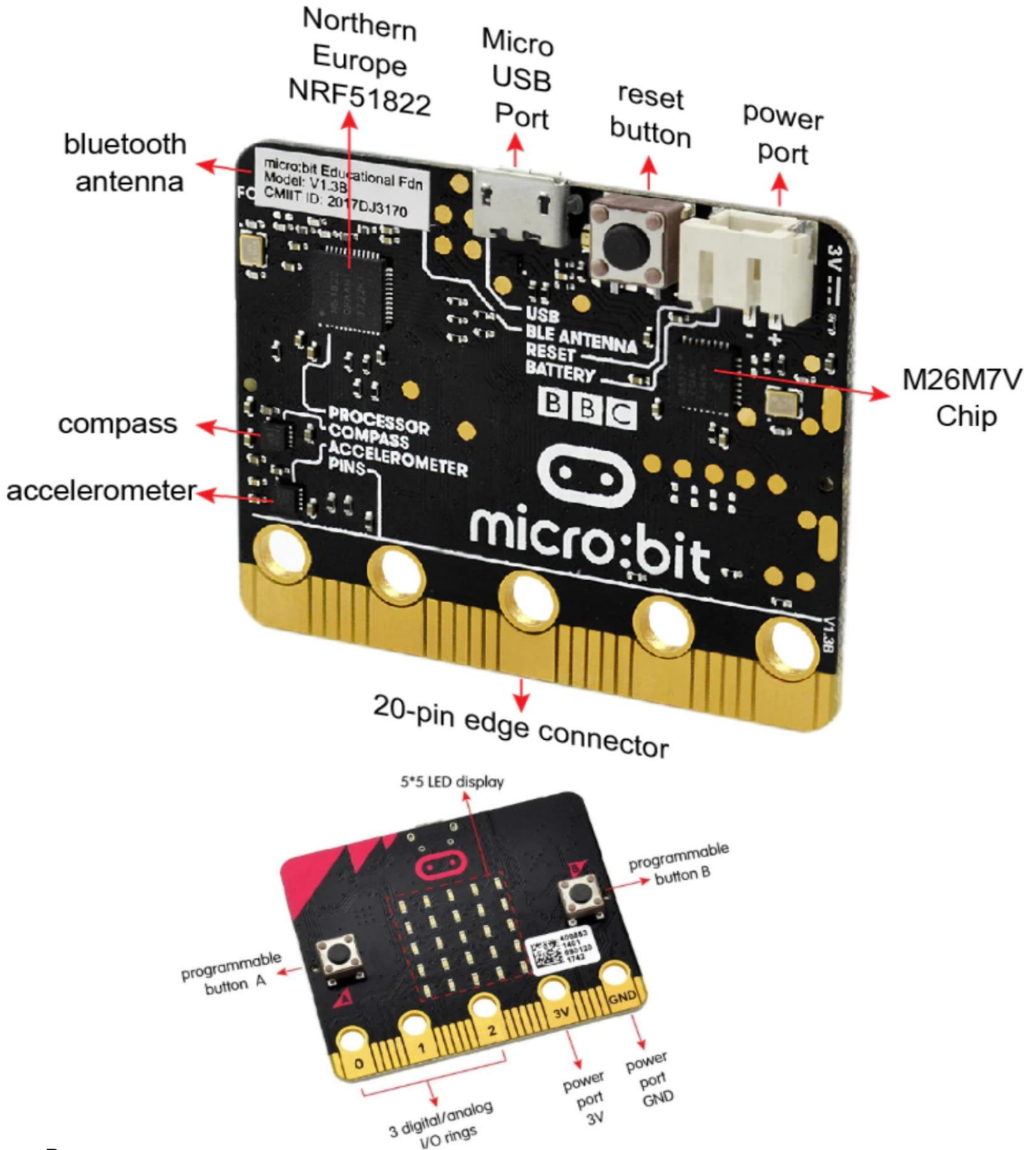
Two ways to connect power

Pin description:

Northern Europe NRF51822

Micro USB Port

reset button

power port

bluetooth antenna

micro:bit Educational Fdn
Model: V1.3B
CMIIT ID: 2017DJ3170

USB
BLE ANTENNA
RESET
BATTERY

M26M7V Chip

compass

PROCESSOR
COMPASS
ACCELEROMETER
PINS

accelerometer

micro:bit

20-pin edge connector

5*5 LED display

programmable button B

programmable button A

3 digital/analog I/O rings

power port 3V

power port GND

Resources:
https://www.keyestudio.com/original-bbc-microbit-main-board-nrf51822-bluetooth-for-kids-starter-to-programming-support-windowsios-etc-p0255-p0255.html