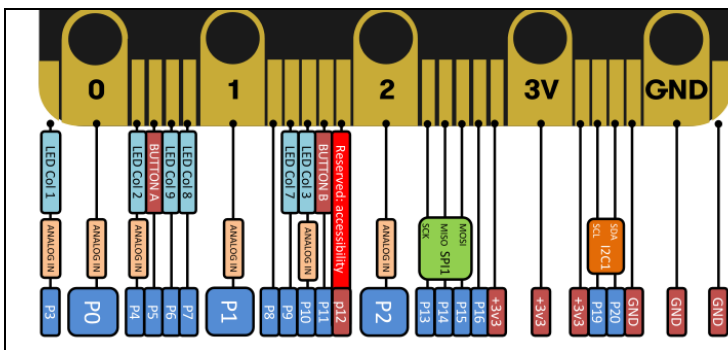
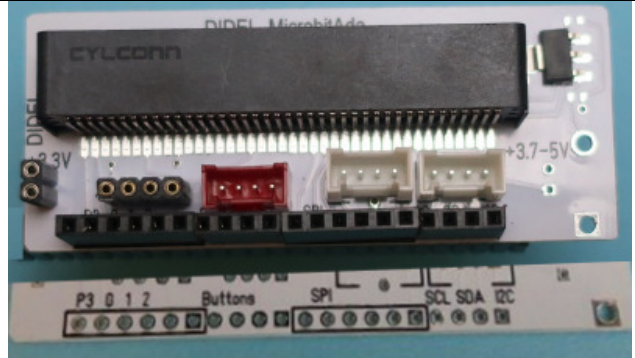




Micro:Bit breadboard adapter

BBC micro:bit is based on nRF51822 microcontroller. Specifications are easy to find on the net. We are concerned here about connecting the board to some original hardware, having didactic applications in mind. Many adapters exist for experimenting. Didel breadboard adapter simplifies the experimentation.



See www.didel.com/MicrobitArduino for a better understanding of Micro:Bit connector pins and Arduino pin numbers

Analogue P0 P1 P2 P3 → 0 1 2 4

ButtonA → 5 ButtonB → 11

SPI Gnd V+ Sel → 15, Mosi → 15,

Miso → 14, Sck → 13 (order may change)

I2C Sda → 20 Scl → 19

Interface card MbitAda

Accessing signal on a breadboard is a good way to play with different hardware and get experience with the software. The board give access to most Micro:Bit signals on a row of pins. In addition several SIL connectors including Gnd and power makes it easy to solder a simple cable toward sensors or devices. I2C is frequently used and has both a Grove connector and SIL 4-pin strip. SPI is available on a 6-pin strip. Button A,B are on a strip easy to cable them far away, finally the 4 analogue ports are on a 6-pin strip.

