

# DFR0521

## Micro:Bit DFR0521 Expansion Board For Boson

### Product Overview

06-28-2022

For the most up-to-date information, visit [www.mouser.com](http://www.mouser.com) or the supplier's website.

### Description

DFRobot Micro:Bit DFR0521 Expansion Board for Boson is designed as a carry-on board that connects to micro:bit via the edge connector. This expansion board comes with 6 fool-proof 3-pin sockets, compatible with hundreds of DFRobot's boson and gravity modularized electronic books. The electronic blocks cover the most popular digital and analog sensors as well as actuators, supporting sound, light, and motion interaction. This expansion board features a Gravity: HuskyLens interface and an IIC interface. The DFR0521 Expansion Board can be powered externally through the micro-USB port to ensure a steady current supply.



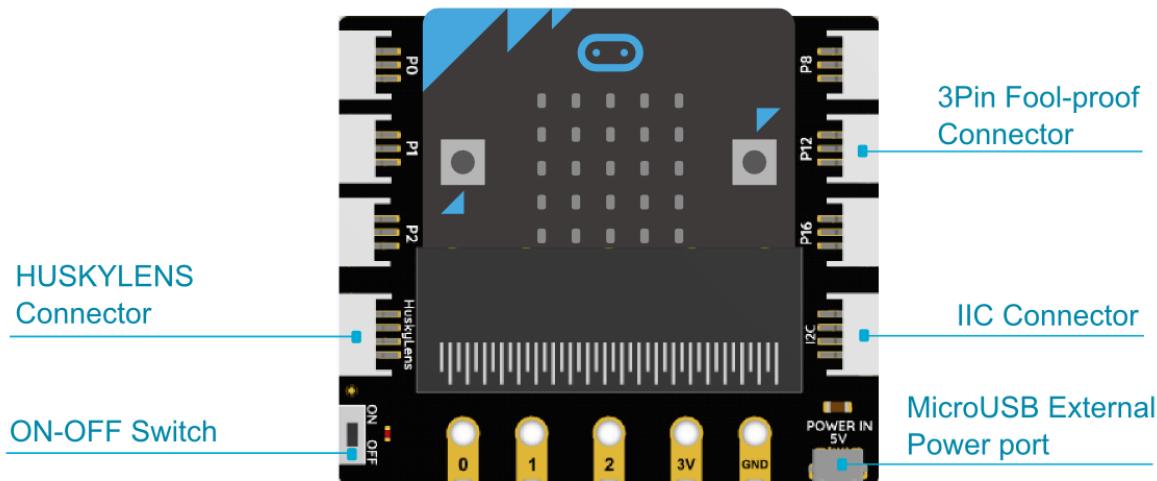
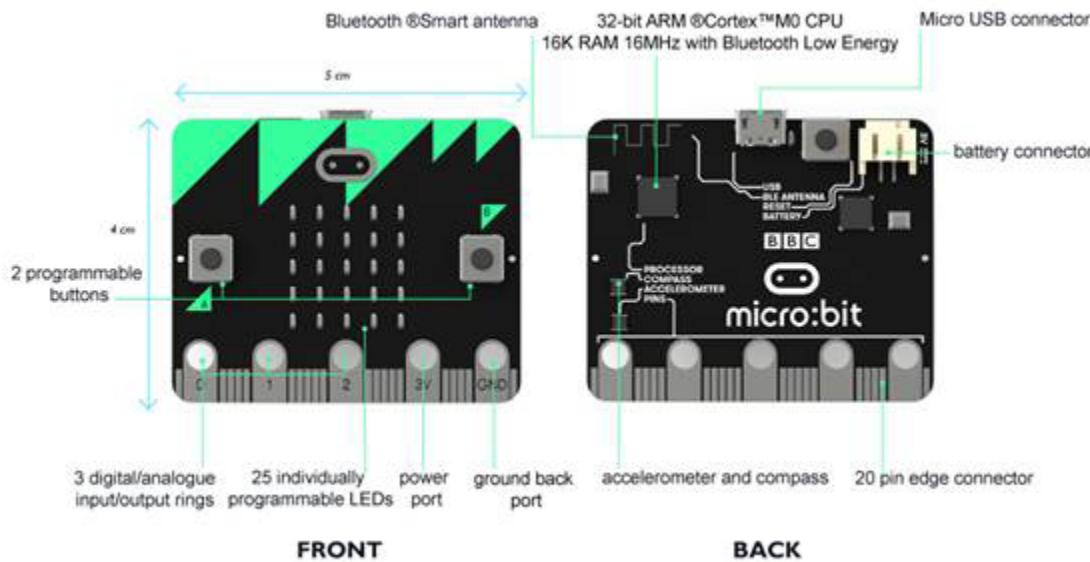
### Features

- 3-Pin fool-proof connector x 6
- Headphone jack with a volume knob
- External power port and ON/OFF switch
- DFRobot gravity and boson electronic module compatible

### Specifications

- 5V MicroUSB power port voltage
- 3.3V PH2.0 input/output voltage
- 3.3V input/output ring voltage
- 500mA maximum current
- 0°C to 85°C working temperature
- 80mm x 70mm/3.15" x 2.76" dimensions
- 48g weight

## Board Overview



## Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-dfr0521-expansion-board/>