# IO Extender for micro:bit
MBT0008

Product Overview
06-02-2022
For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

DFRobot MBT0008 IO Extender for micro:bit leads out all IO ports of micro:bit that are in accordance with Gravity standard interface. This micro:bit IO expansion board has an independent I^2C and serial port. The micro:bit IO extender board also integrates the frequently used buzzer and edge connector contacts. This board operates from a supply voltage of 3.3V.
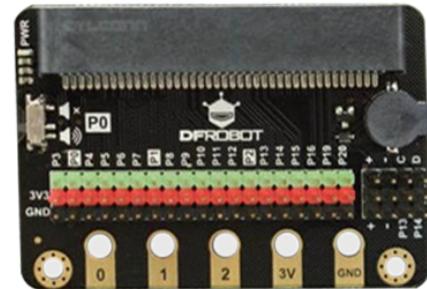
Features

- Gravity 3-Pin interface, plug and play, support DFRobot Gravity series
- Lead out all micro:bit pins in the form of 3P pin header, 19 pins in total
- Independent I^2C and 1-way serial port
- Onboard buzzer and buzzer switch
- Onboard edge connector contacts
- Clear silkscreen, ENIG technology, and high quality

Specifications

- IO Interface:
  - P0 P1 P2 P3 P4 P5 P6 P7 P8 P9 P10 P11 P12 P13 P14 P15 P16 P19 P20
- Serial Port:
  - P13 P14
- I^2C interface:
  - P19 P20
- Buzzer:
  - P0, turn off the buzzer switch and then P0 port can be used normally
- Input voltage:
  - Powered by micro:bit board
- 45.5mm × 66.5mm (1.79" × 2.62") dimensions

Board Overview
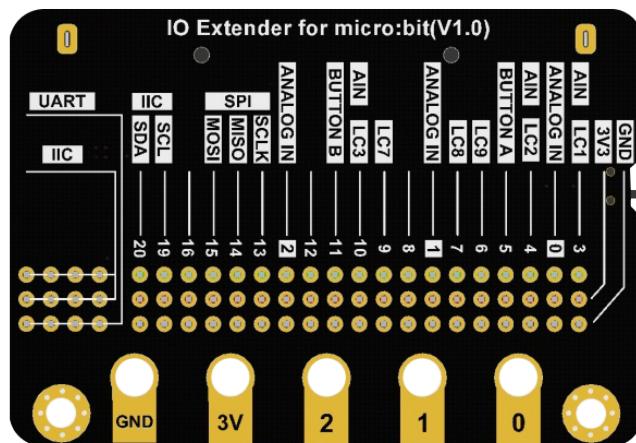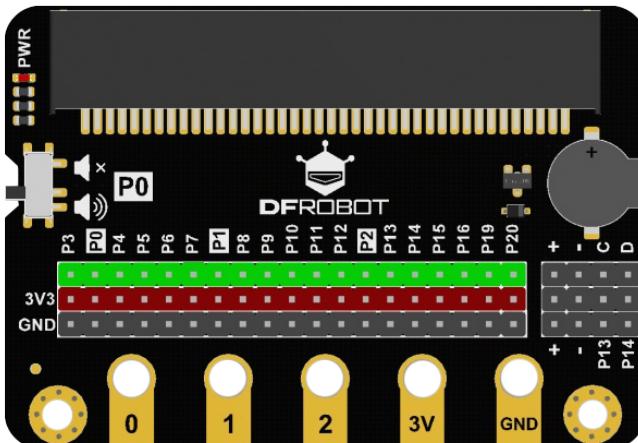
Board Dimensions
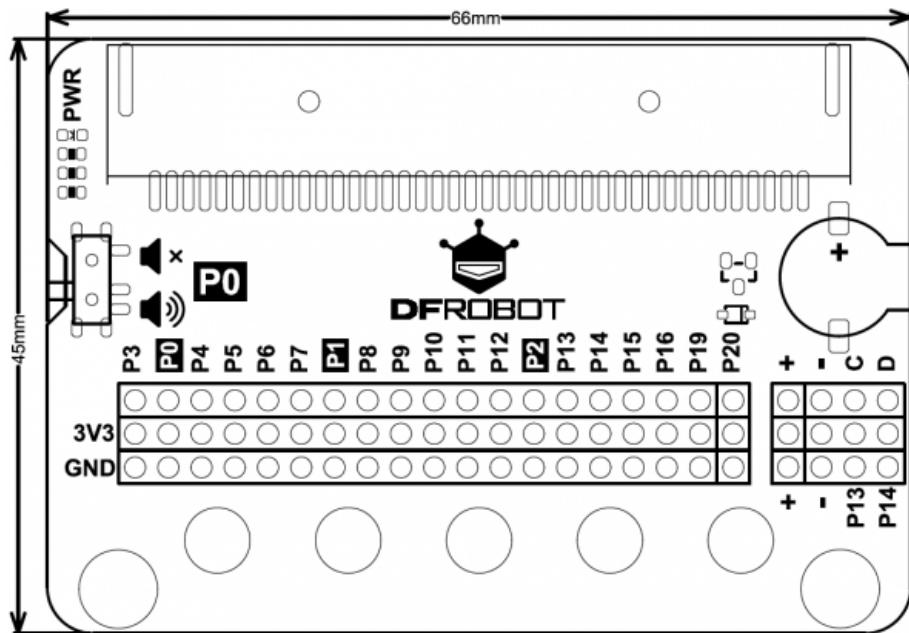
Mouser Part Number

[View Part](#)

To learn more, visit https://www.mouser.com/new/dfrobot/dfrobot-micro-io-extender-board/

The information contained in this document should be used as a guideline only.