Boson Starter Kit for micro: bit
TOY0086

Product Overview
07-25-2022
For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

DFRobot TOY0086 Micro:bit TOY0086 Boson Starter Kit comes with 8 selected modules, including the digital and analog sensors as well as actuators. These modules support light, sound, and motion interaction, as well as communicate to micro:bit via a 3-pin interface. The modules are also compatible with Microsoft MakeCode JavaScript online Editor and Python Editor.
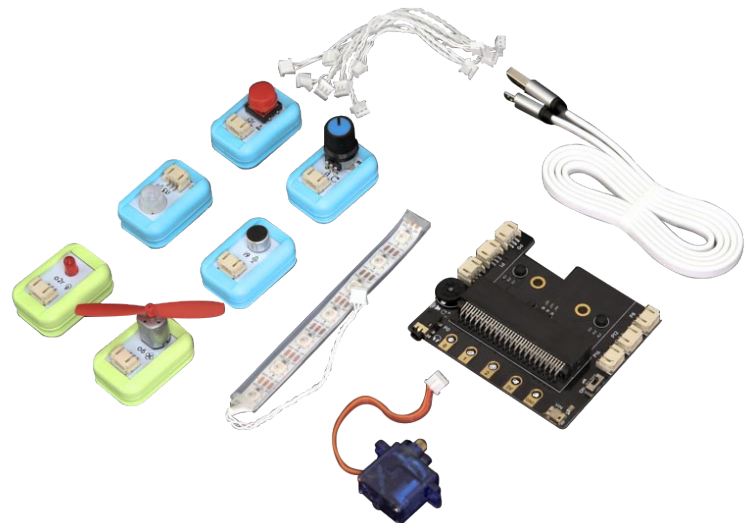
The Micro:bit Expansion Board is used to hook up Boson modules with an edge connector, 6 fool-proof 3-pin sockets, a 3.5mm headphone jack, and a volume knob. This board is powered through an external USB power port. The TOY0086 Kit includes a quick start guide with 4 projects with wiring and sample codes.

Features

- Designed for micro:bit
- 8 most popular electronic modules with tutorial
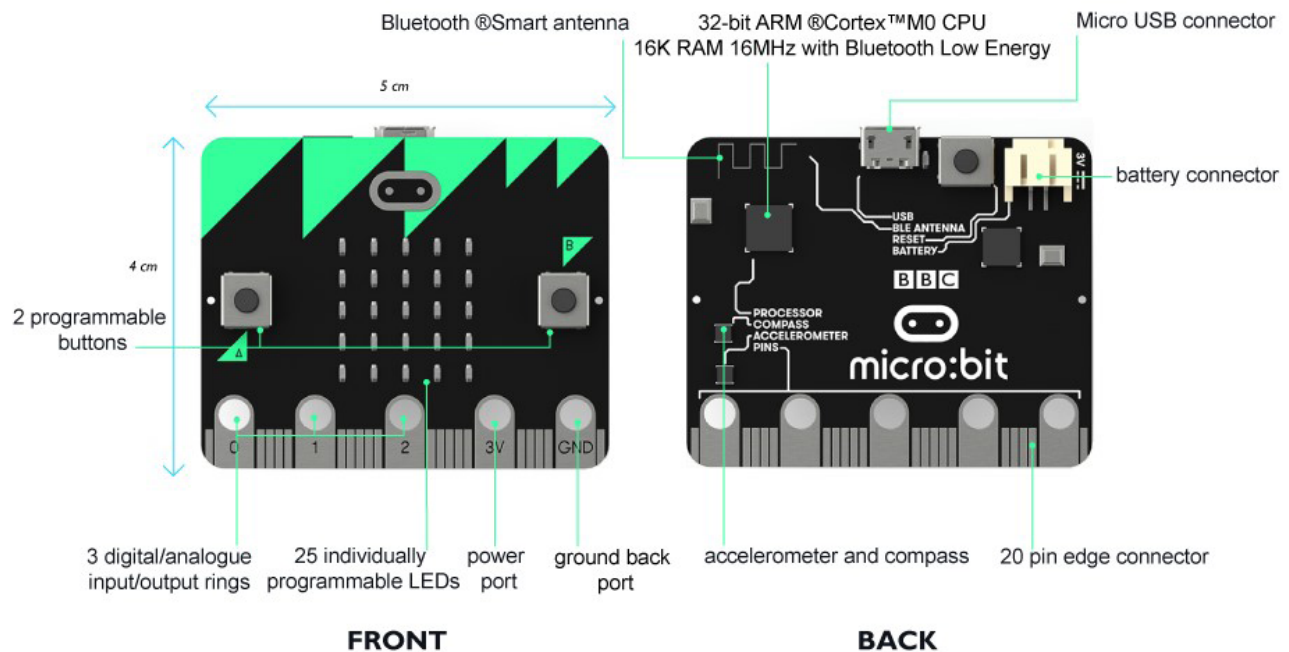- Compatible with Lego, screws, Velcro, and magnets

Kit Contents

- Micro:bit expansion board for Boson kit
- Red Push Button x1
- Red LED Light x1
- Rotation sensor x1
- Sound Sensor x1
- Motion sensor x1
- Mini Fan Module x1
- Mini Servo x1
- RGB LED strip x1
- Micro USB Cable x1
- 3-Pin Cable (Long) x1
- 3-Pin Cable (Medium) x1
- 3-Pin Cable (Short) x1
- Quick Start Guide x1

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

Specifications

- 3.3V module input/output voltage
- 500mA maximum current
- 5V MicroUSB power port voltage
- 0C to 60C working temperature
- Package size:
- 250mm x 190mm x57mm / 9.84" x 7.5" x 2.24"
- 492g weight

micro: bit Overviewv

Mouser Part Number

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To learn more, visit https://www.mouser.com/new/dfrobot/dfrobot-toy0086-boson-kit/