Driver Breakout for micro:bit, drives motors and servos

SKU 105990091

Description

This driver board gives your micro:bit the ability to drive two channel DC motors and three channel servos. It's an ideal choice for you to DIY mobile robots.

Features

- micro:bit edge connector, directly pluggable
- 2x DC motor interfaces, 3x servo interfaces
- Integrates 5V regulator, up to 3A output current, can be powered from battery through VIN terminal
- Onboard multi connector options for DC motors in different specifications, onboard standard servo headers
- Comes with development resources and manual (micro:bit graphical examples)
  Micor:bit has variety of programming methods like mbed, micropython, typescript and other programming methods, as well as code online websites which are abundant.

The official recommendation are two programming methods: typescript and micropython. Typescript is the graphical programming language. Its website is that:https://makecode.microbit.org/#
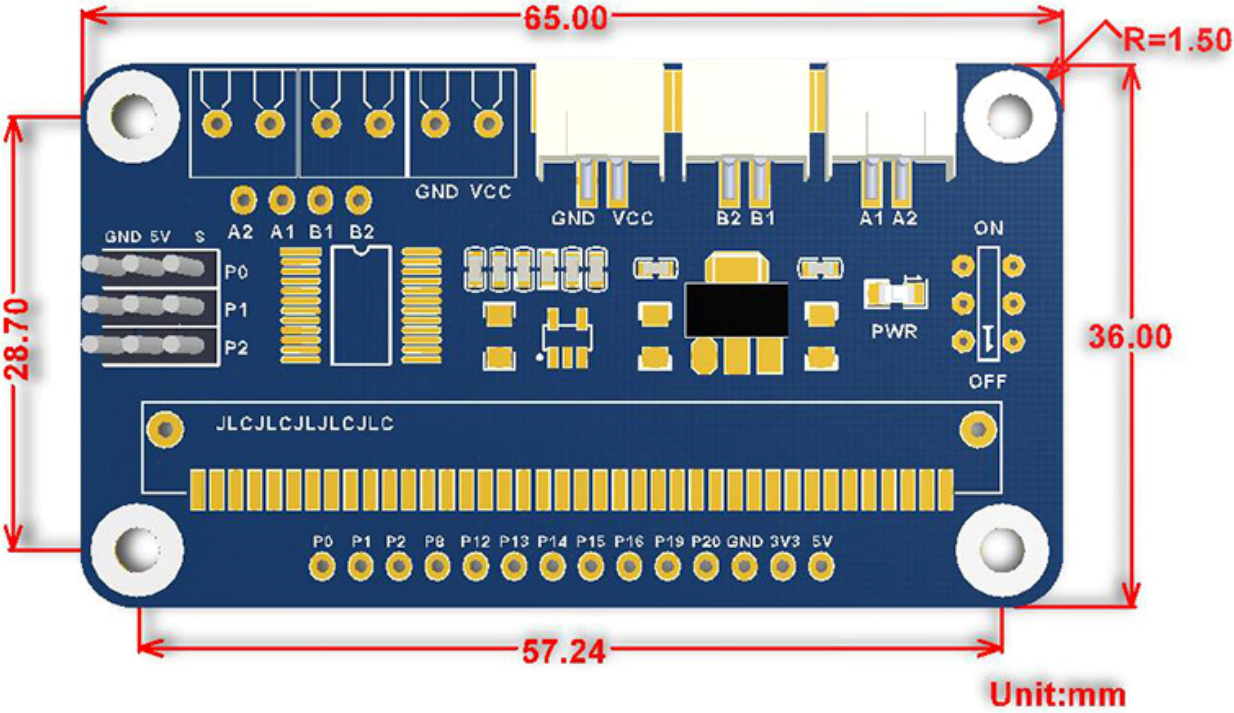
Technical Details

Dimensions	65mm x 36mm x 15mm
Weight	G.W 219g N.W 200g
Battery	Exclude
Power supply	6V~12V (VIN terminal)
Servo voltage	5V
Logic voltage	3.3V
Driver	TB6612FNG
Mounting hole size	3.0mm
Pinouts	
Vcc	Power (6~12V)
GND	Ground
A1	positive pole of motor A
A2	negative pole of motor A

B1	positive pole of motor B
B2	negative pole of motor B
P0	control pin P0 of steering gear
P1	control pin P1 of steering gear
P2	control pin P2 of steering gear

Part List

Motor Driver for micro:bit	1

ECCN	EAR99
HSCODE	8503001000