

Quad DC Motor Driver Shield for Arduino

DRI0039

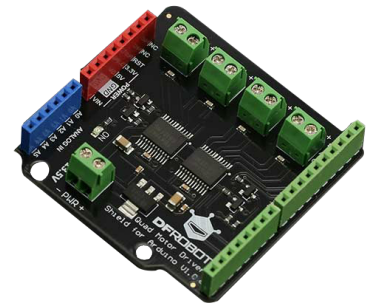
Product Overview

07/27/2022

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

The DFRobot Quad DC Motor Driver is the latest quad motor driver shield for Arduino. The shield is compatible with the 5V/3.3V Arduino controller and can control up to four DC motors with 8 pins simultaneously. The shield supports PWM speed control and polarity control. The driver shield includes two TB6612FNG motor driver chips, compared with the traditional L298N chip. This improves efficiency and reduces the component size. The module includes a built-in low voltage detection circuit and thermal shutdown protection circuit.

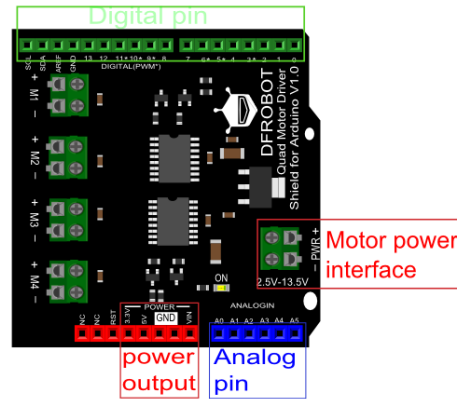


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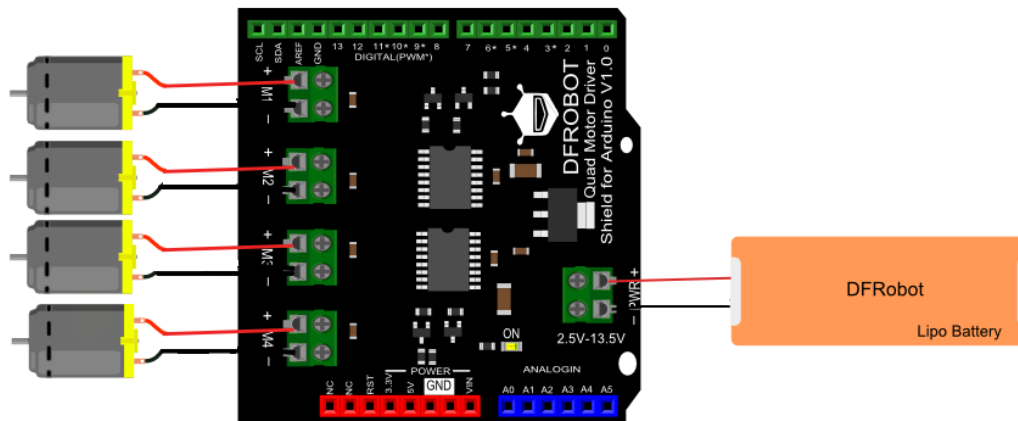
Features

- 2.5V to 13.5V VM motor power supply
- 2.7V to 5.5V VCC logic power supply
- 1.2A continuous current (per channel)
- 2A (continuous pulse) / 3.2A (single pulse) start/peak current
- Arduino control port:
 - 3, 4, 5, 6, 7, 8, 11, and 12 digital pins
- -20°C to 85°C temperature operating range
- 53mm x 52mm/2.09" x 2.05" dimensions
- Weight: 24gm

Board Overview and Connection Diagram



• Fig1: Board Overview



• Fig 2: Connection Diagram

Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/manufacture/dfrobot/dfrobot-quad-dc-motor-driver/>