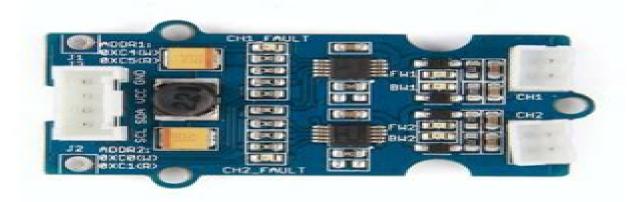
Grove - Mini I2C Motor Driver v1.0



Introduction

This Grove - MIni I2C motor driver included two DRV8830, The DRV8830 provides an integrated motor driver solution for battery-powered toys, printers, and other low-voltage or battery-powered motion control applications. The module has two H-bridge drivers, and can drive two DC motors or two winding of stepper motors, as well as other loads like solenoids. It requires an onboard 5V voltage regulator which can power the I2C bus. All driver lines are diode protected from back EMF. It features two LEDs for fault indicator and four LEDs to indicate which direction each motor is running. GROVE system plug and I2C interface enables you to daisy-chain the driver with many other devices.

Feature

- Without external power supply
- Two leds for fault indicator
- Default maximum drive current 200 mA
- Grove compatible
- I2C interface
- Motor's speed and direction can control
- Number of channels: 2
- Easy to use

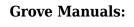
Application Ideas

This motor driver can be used to drive any brushed electronic motor as long as it doesn't consume more than 1A at 5v.

Two motors can be driven simultaneously while set to a different speed and direction. The speed can be set fully proportional and is controlled by I2C command.

Grove Manuals

K Morrison



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