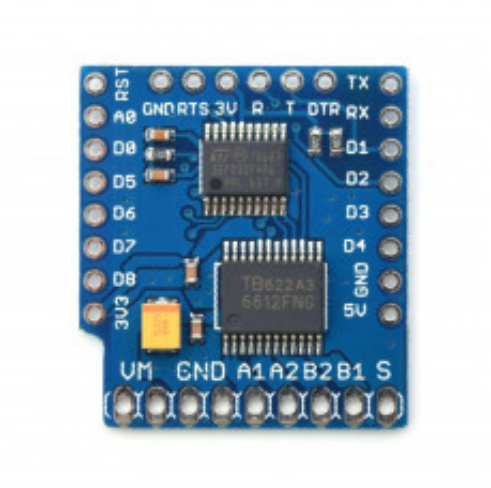
D1 Mini I2C Dual Motor Driver Shield



Produktkode: 469aa
Tilgjengelighet: 5
Weight: 20.00g
Ring etter pris: 91166668

Kort beskrivelse
D1 Mini I2C Dual Motor Driver Shield TB6612FNG WeMos

Beskrivelse
Motor Driver Shield for WEMOS D1 Mini and Compatible Microcontrollers

Inneholder bug. Se her for korrigering

This D1 Mini Motor Driver Shield uses the Toshiba TB6612FNG motor driver chip to control up to two DC motors at a constant current of 1.2A (3.2A peak). Two input signals (IN1 and IN2) can be used to control the motor in one of four function modes - CW, CCW, short-brake, and stop.

The two motor outputs (A and B) can be separately controlled, the speed of each motor is controlled via a PWM input signal with a frequency up to 100kHz. The STBY pin should be pulled high to take the motor out of standby mode.

All pins of the TB6612FNG are broken out to two 0.1" pitch headers; the pins are arranged such that input pins are on one side and output pins are on the other.

Features and Specifications:

- I2C interface
- Power supply voltage: VM=15V max
- Output current: Iout=1.2A(average) / 3.2A (peak)
- Standby control to save power
- CW/CCW/short brake/stop motor control modes

VM: Motor Power Supply +

GND: Motor Power Supply -

A1, A2: Motor A

B1, B2: Motor B

S: Stand by control port (In IO mode)

Standby control mode (Set with jumpers on the back side of the board)

- I2C mode: Control TB6612's STBY with I2C protocol
- IO mode: Control TB6612's STBY with "S" pin

Shield reset mode (Set with jumpers on the back side of the board)

- Shorted: reset with D1 Mini (reset at power on or press D1 Mini's reset button)
- Open: reset by "DTR" pin.

I2C Address

AD1 AD0 Address

- - 0x2D

- x 0x2E

x - 0x2F

x x 0x30

Package Includes:

1x Motor Driver Shield for Wemos D1 Mini

3x 8P 2.54mm pins

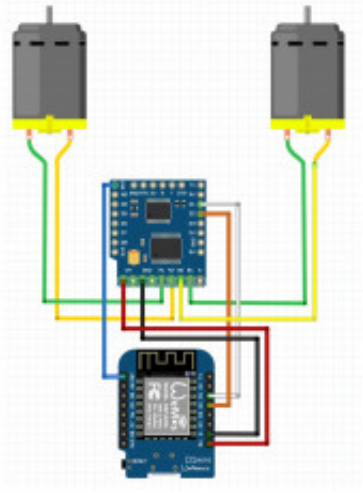
1x 9P 2.54mm pins

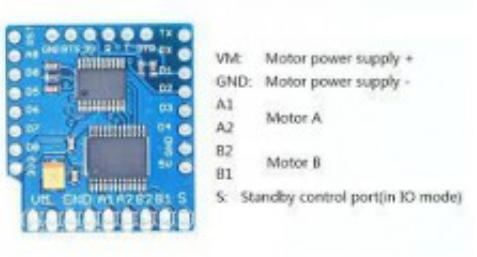
Arduino driver
https://github.com/Seeed-Studio/Grove_Motor_Driver_TB6612FNG

https://diyprojects.io/test-shield-motor-i2c-wemos-d1-mini-pro-drive-2-motors-15vdc/#.YZQaomDMLb0

Pinout

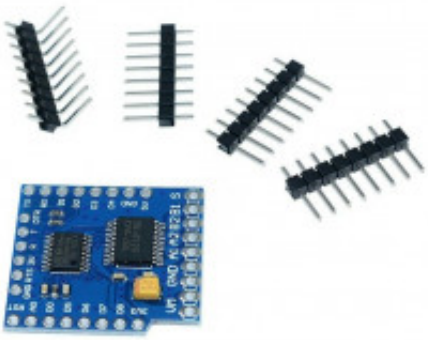
Produktgalleri

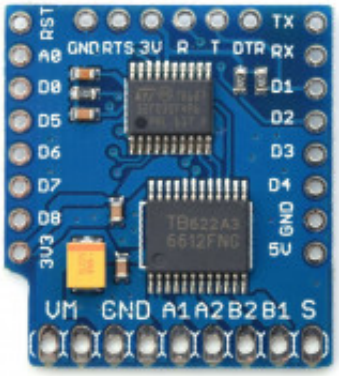











RST
A0
D0
D5
D6
D7
D8
3V3
TX
RX
D1
D2
D3
D4
GND
5V
VM GND A1A2B2B1 S

