

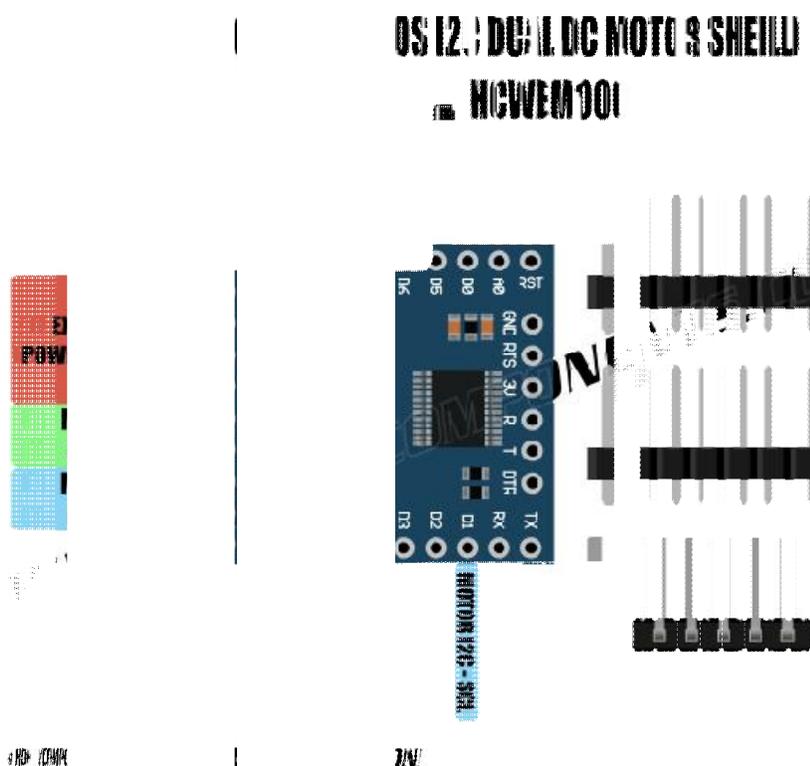
WEMOS D1 MINI MOTOR DRIVE SHIELD



The WeMos I2C Dual Motor Driver Module is designed to be able to drive up to two DC motors from your WeMos mini or mini Pro development boards (See HCWEMO0002). Using PWM the shield is capable of independently controlling the speed and direction of each connected motor with a maximum average of up to 1.2A (3.2A peak). The shield, together with its supplied...

DESCRIPTION:

The WeMos I2C Dual Motor Driver Module is designed to be able to drive up to two DC motors from your WeMos mini or mini Pro development boards (See HCWEMO0002). Using PWM the shield is capable of independently controlling the speed and direction of each connected motor with a maximum average of up to 1.2A (3.2A peak). The shield, together with its supplied headers (3 x 10 way supplied unsoldered), allows for it to be easily inserted and removed from the WeMos Mini. Control of the shield is via the WeMos mini's I2C interface which can be configured via solder jumpers to one of 4 I2C addresses (0x30 default). A library and example sketch is provided by WeMos to make controlling the shield from your own sketches as simple as possible.



Features:

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

Pinout:

VM.....Motor Power Supply +(Max 15Vdc)

GND.....Motor Power Supply -

A1 A2.....Motor A

B1 B2.....Motor B

S.....Standby Control Mode

I2C Mode: Control TB6612's STBY with I2C protocol

IO Mode: Control TB6612's STBY with "S" pin

Shield Reset Mode:

Short: Reset with D1 mini (reset at power on or press D1 mini's reset button)

Open: Reset by "DTR" pin.



Wemos : node-stevio
wemos ii : mini pro

