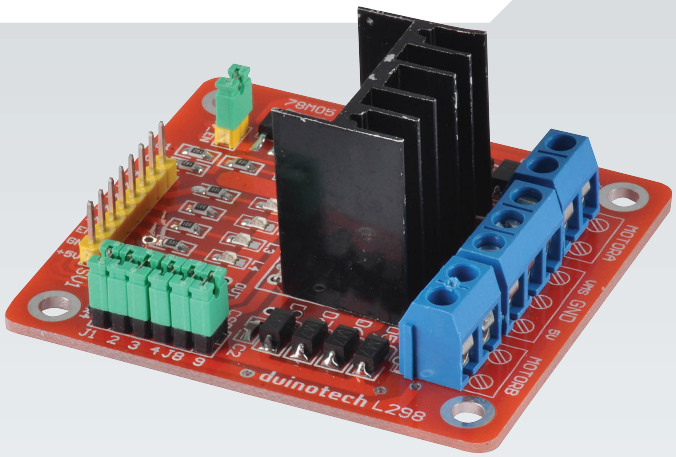
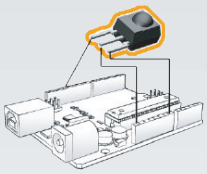
duinotech

XC4492

# Dual/Stepper Motor Controller Module



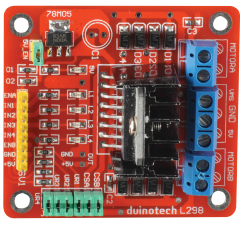


- Type: Module
- Application: Add On Module
- Control the speed of two DC motors or one stepper motor
- Dimensions: 69(L) x 56(W) x 36(H)mm

| Specifications | |
|---|---|
| | Dual/Stepper Motor Controller Module |
| Maximum Current | 4A |
| Logic Voltage | 5VDC |
| Operating Voltage | 3VDC - 30VDC |
| Chipset | L29BN |
| Dimensions | 69(L) x 56(W) x 36(H)mm |
| Additional Features | Status LEDs |

| Pinout | | |
|---|---|---|
| Module | Duinotech | Function |
| ENA | D6 | Enable Motor A |
| IN1 | D4 | Motor A Forward |
| IN2 | D7 | Motor A Reverse |
| IN3 | D3 | Motor B Forward |
| IN4 | D2 | Motor B Reverse |
| ENB | D5 | Enable A |
| GND | GND | Ground Connection |
| +5V | 5V | 5V |
| VMS | - | Power for Module (up to 30V) |
| GND | - | Negative Return for VMS |

Dual/Stepper Motor Controller Module Sample Projects:



Dual/Stepper Motor Controller Module Overview:

Using the powerful L298N Dual Motor Driver, this module allows full control of two DC Motors or one stepper-motor. Features back-EMF and over-temperature protection, it is ideally suited to drive two-motor robot kits such as our KR3130 & KR3132. An on-board 5V regulator can also be used to power your project.

What is included: 1 x Dual Motor Controller Module

Essential Accessories: Robot Chassis (a or KR3132)

Optional Accessories: Battery Pack to provide power for motors

Did you know: There is a 5V regulator on the module which you can use to power your Duinotech mainboard, just make sure the 5V_EN jumper is in place

| Jumper | Function |
|---|---|
| J9/CSB | Place a current sense resistor between these pins to measure current on channel B, or short with jumper if not using a current sense resistor. |
| J8/CSA | Place a current sense resistor between these pins to measure current on channel A, or short with jumper if not using a current sense resistor. |
| J4/UR1 | Jumper on to activate 1KOhm pullup resistor on IN4 (usually not necessary if connected to Arduino). |
| J3/UR2 | Jumper on to activate 1KOhm pullup resistor on IN3 (usually not necessary if connected to Arduino). |
| J2/UR3 | Jumper on to activate 1KOhm pullup resistor on IN2 (usually not necessary if connected to Arduino). |
| J1/UR4 | Jumper on to activate 1KOhm pullup resistor on IN1 (usually not necessary if connected to Arduino). |
| 5V_EN | Jumper on to provide +5V power to the board from 5V regulator from VMS supply |

Jaycar Electronics

Distributed by:
TechBrands by Electus Distribution Pty. Ltd.
Ph: 1300 738 555
www.techbrands.com
Made in China