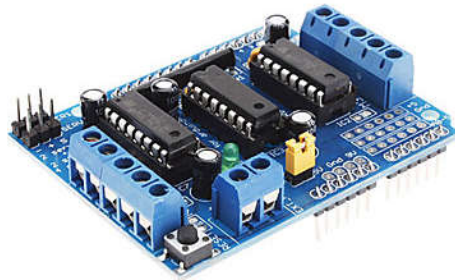


L293 MODULE



L293D Motor Drive Shield is a monolithic integrated, high voltage, high current, 4-channel driver.

Basically this means using this chip you can use DC motors and power supplies of up to 25 Volts, that's some pretty big motors and the chip can supply a maximum current of 600mA per channel, the L293D chip is also what's known as a type of H-Bridge.

The H-Bridge is typically an electrical circuit that enables a voltage to be applied across a load in either direction to an output, e.g. motor.

2 interface for 5V Servo connected to the Arduino's high-resolution dedicated timer – no jitter.

Up to 4 bi-directional DC motors with individual 8-bit speed selection.

Up to 2 stepper motors (unipolar or bipolar) with single coil, double coil or interleaved stepping.

4 H-Bridges: per bridge provides 0.6A (1.2A peak current) with thermal protection, can run motors on 4.5V to 25V DC.

DESCRIPTION

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- 4 H-Bridges: per bridge provides 0.6A (1.2A peak current) with thermal protection, can run motors on 4.5V to 25V DC.
- L293D Dual Motor Shield has two L293D motor drivers and one 74HC595 shift register.
- The shift register expands 3 pins of the Arduino to 8 pins to control the direction for the motor drivers.
- The output enable of the L293D is directly connected to PWM outputs of the Arduino.

Features

- Can drive 4 DC motors or 2 stepper motors or 2 Servo
- Up to 4 bi-directional DC motors with individual 8-bit speed selection
- Up to 2 stepper motors (unipolar or bipolar) with single coil, double coil or interleaved stepping.
- 4 H-Bridges: per bridge provides 0.6A (1.2A peak current) with thermal protection, can run motors on 4.5V to 36V DC
- Pull down resistors keep motors disabled during power-up
- reset button
- 2 external terminal power interface, for separate logic/motor supplies
- Tested compatible for Mega, Diecimila & Duemilanove