MINI L293D Motor Drive Expansion board Motor drive module

Application: Arduno beginners, Arduno experimental equipment platform, Arduno interactive electronics, Arduno robots, etc.

Features: Highly functional, easy to operate, with powerful driver libraries support and regular updates.

Disadvantages: Requires more I/O usage when driving four motors simultaneously (compared to the Arduno version with less I/O), and has low power output.

It can drive 4 DC motors or 2 stepper motors while also driving 2 servos, and it supports the new Arduino UNO and Arduino Mega 2560.

You can pair them as follows:
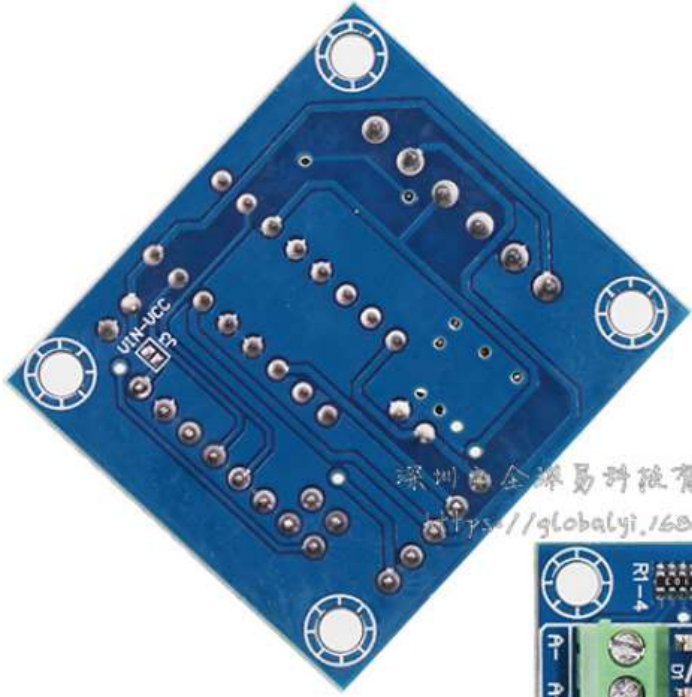
Drive four DC motors and two servos

Drive two DC motors, one stepper motor, and two servos

Drive two stepper motors and two servos

Arduno is a great entry-level platform for electronic projects, and with a motor expansion board, it can also be a great platform for robot development. Here is an introduction to a fully functional motor expansion board that can drive various simple to moderately complex projects.

This is a common DC motor driver module that uses the 293D chip, a small current DC motor driver chip. The pins are made to be Arduno-compatible, making it convenient for hobbyists to quickly develop based on Arduno.

* 2 x 5V servo motor (servo) ports connected to Arduno's high-resolution high-precision timer - no jitter!

* Up to 4 bidirectional DC motors and 4 PWM speed control (about 0.5% resolution)

* Up to 2 stepper motor forward and reverse control, single/double step control, alternating or microstep and rotational angle control.

* 4 H-bridges: L293D chip provides current for each bridge of 0.6A (peak 1.2A) and has thermal shutdown protection, 4.5V to 36V.

* Downward pull-down resistors ensure that motors remain stopped during power-up.

* Large terminal connection terminals make wiring easier (10 - 22AWG) and power.

* With an Arduino reset button.

* 2 large terminal external power connection terminals ensure that the logic and motor drive power are separated.

* Compatible with Mega, Diecimila, & Duemilanove.

UIN-VCC

R1-4

A-
A+
B-
B+
GND UIN

A
B

D1
D2

C3

HW-310

VCC
GND
IN1
IN2
IN3
IN4
EN1
EN2

J3

J2

C1

C2

J1