

L298N Stepper DC Motor Driver Expansion Development Board For Arduino DIY Robot Car

Description:

Work mode: H bridge drive (double road)

Main control chip: L298N

Logical voltage: 5V

Drive voltage: 5v-35v

Logical current: 0mA-36mA

Driving current: 2A (MAX single bridge)

Storage temperature: -20 °C to +135 °C

Maximum power: 25W

Weight: 30g

Peripheral dimensions: 43*43*27mm

Features:

This module uses L298N as the main drive chip, with strong driving ability, low heat and strong anti-interference ability.

Through this module can use the built-in 78 m05 drive power supply parts of their work, but in order to avoid the voltage regulator chip damage, when using the driving voltage is greater than 12 v, please use the external power supply 5 v logic.

This module USES a large capacity filter capacitance, a continuation protection diode, can improve reliability.

Notes:

1. When you are driving voltage (above logo for the 12v input, can actually accept input range is 7 to 12v) for 7v to 12v, can make to onboard power supply 5v logic, when using the onboard after 5v power supply, interface of + 5v.

-The power supply does not input voltage, but can yield 5V voltage for external use.

2. When the driving voltage is higher than 12V, it is less than or equal to 24V

(The chip manual proposes to support 35V)

-When the maximum voltage is applied to the maximum voltage of 298 conservative applications to 24V, for example, the motor with a rated voltage of 18V shall be driven.

-You must first remove the board 5V output to enable the jumper cap. Then 5V is accessed outside the 5V output port.

-The 5V enables the power to be a control signal with a level of 5V. When the signal input is valid, and when the power supply is normal in the motor drive module, the motor drive module outputs the current. Otherwise, even if the power supply is normal, there is no current on the motor.

-Voltage to L298N internal logic circuit power supply.

