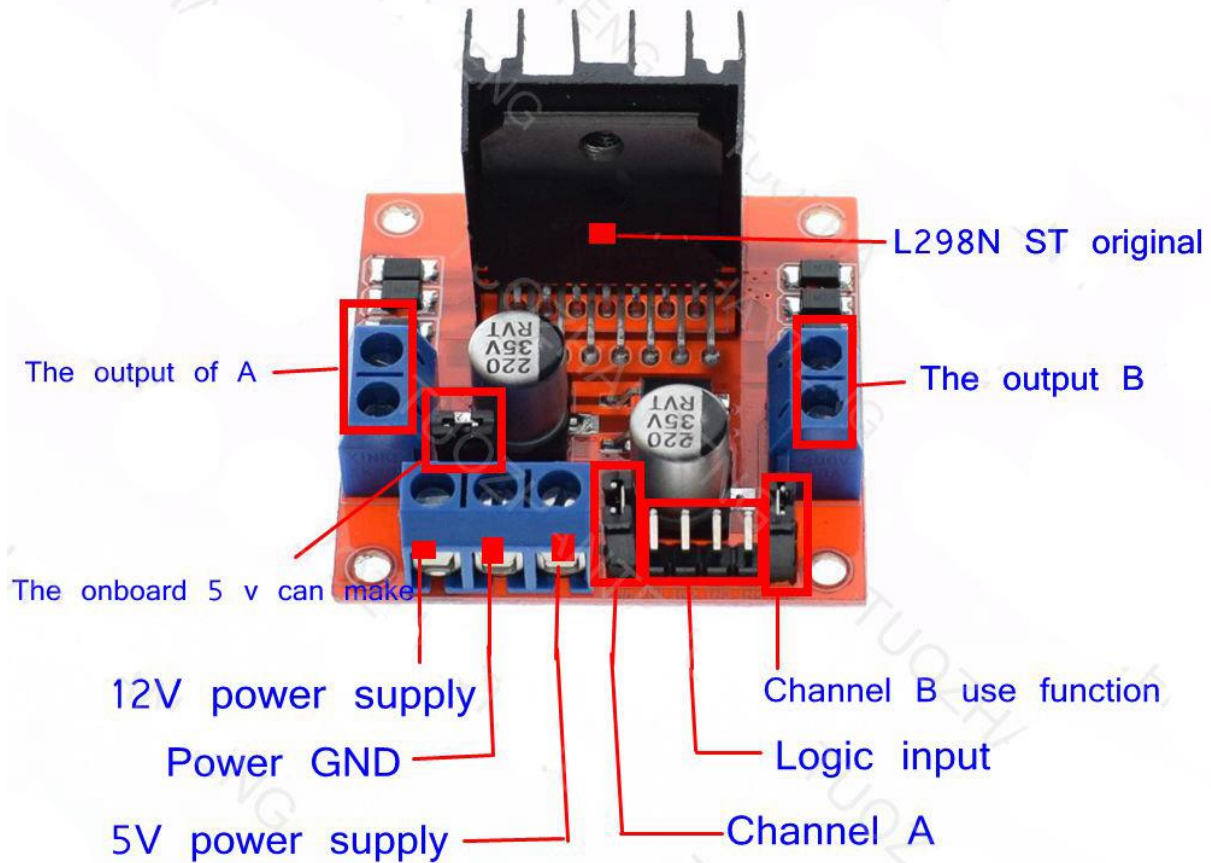


## L298N motor driver board module



### ***Description:***

L298N is a high voltage, high current motor driver chip. The chip uses 15-pin package. The main features are: high voltage, maximum operating voltage up to 46V; output current, instantaneous peak current up to 3A, continuous operating current of 2A; rated power 25W. Contains two H-bridge high-voltage and high current full-bridge driver can be used to drive DC motors and stepper motors, relays, coils and other inductive load; using standard logic level signal control; having two enable control terminal, in allows input signal without being affected or disable the device has a logic supply input, the internal logic circuit part of the work at a low voltage; can be an external sense resistor, the amount of change back to the control circuit. Drive motor using L298N chip, the chip can drive a two-phase stepper motors or

four-phase stepper motor, can drive two DC motors.

The name of the module	Dual H bridge motor driver module	Working mode	H bridge driver (dual)
Main control chip	L298N	Packaging form	Electrostatic bag
Logic voltage	5V	Drive voltage	5V-35V
Current logic	0mA-36mA	Drive current	2A(MAX single bridge)
Storage temperature	-20°C to +135°C	The most powerful	25W
weight	30g	The peripheral size	43*43*27mm

### Features:

1. The module uses L298N chip as the main drive, with driving ability, low heat, anti-jamming features.
2. It can be used to take power through the built-in 78M05 drive power part of the work, but in order to avoid damage to the regulator chip, when a drive voltage greater than 12V, please use an external 5V logic supply.
3. Uses high-capacity filter capacitors, freewheeling diode protection, reliability can be improved.

Dc motor	Rotating way	IN1	IN2	IN3	IN4	Speed control PWM signal	
						Control port A	Control port B
M1	Positive direction	high	low	/	/	high	/
	opposite direction	low	high	/	/	high	/
	stop	low	low	/	/	high	/
M2	Positive direction	/	/	high	low	/	high
	opposite direction	/	/	low	high	/	high
	stop	/	/	low	low	/	high

### Application:

Stepper motor	Signal input	The first step	The second step	The third step	The fourth step	Returns the first step
Positive direction	IN1	0	1	1	1	return
	IN2	1	0	1	1	return
	IN3	1	1	0	1	return
	IN4	1	1	1	0	return
opposite direction	IN1	1	1	1	0	return
	IN2	1	1	0	1	return
	IN3	1	0	1	1	return
	IN4	0	1	1	1	return



**Note:**

1. When you drive voltage (the figure identified as 12V input, can accept the actual input range is 7-12V) to 7V

-12V, You can enable the on-board 5V logic supply, when using the onboard 5V power supply, interface + 5V

Do not enter the power supply voltage, but can lead to 5V voltage for external use. (This is the routine use!)

2. When the drive voltage higher than 12V, equal to less than 24V (chip can support manual proposes to 35V, but in accordance with an 298 Conservative general inspection applications to 24V maximum voltage support has been very great! Time), such as to drive the rated voltage

18V motor. First, you must unplug the onboard 5V output enable jumper caps. And then 5V 5V output port External Access

L298N internal voltage logic circuitry. (This is a high-voltage driver unconventional application)

