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### Development Boards (Programmable Controllers) » Arduino-Compatible » Shields for Arduino » Pololu Dual VNH5019 Motor Driver Shield for Arduino



Get your Arduino moving! This shield makes it easy to control two high-power DC motors with your Arduino or Arduino-compatible board. Its dual robust VNH5019 motor drivers operate from 5.5 to 24 V and can deliver a continuous 12 A (30 A peak) per motor, or a continuous 24 A (60 A peak) to a single motor connected to both channels. These great drivers also offer current-sense feedback and accept ultrasonic PWM frequencies for guieter operation. The Arduino pin mappings can all be customized if the defaults are not convenient, and the motor driver control lines are broken out along the left side of the shield for general-purpose use without an Arduino.

Compare all products in Shields for Arduino or Brushed DC Motor Drivers

Description Specs (13) Pictures (6) Resources (9) FAQs (0) On the blog (2)

#### **Dimensions**

 $2.56" \times 2.02" \times 0.38"$ Size: 18 g<mark>1</mark> Weight:

## **General specifications**

Motor driver:	VNH5019
Motor channels:	2
Minimum operating voltage:	5.5 V
Maximum operating voltage:	24 V <mark>2</mark>
Continuous output current per channel:	12 A
Peak output current per channel:	30 A
Current sense:	0.14 V/A
Maximum PWM frequency:	20 kHz
Reverse voltage protection?:	Υ <u>3</u>

#### Identifying markings

PCB dev codes: ash02b Other PCB markings: 0J8002

#### Notes:

- 1 Without included hardware.
- 2 Not recommended for use with 24V batteries.
- **3** To -16 V. Connecting supplies over 16 V in reverse can damage the motor driver.



#### **Related Products**



VNH5019 Motor Driver Carrier

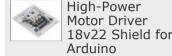


High-Power Motor Driver 18v18 Shield for Arduino



High-Power Motor Driver 24v14 Shield for Arduino Pololu Dual G2

Pololu Dual G2



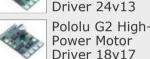




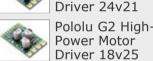
Pololu Dual MC33926 Motor Driver Shield for Arduino

Pololu G2 High-

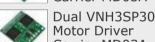
Power Motor

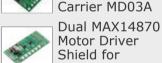


Driver 18v17 Pololu G2 High-Power Motor











Arduino







19:1 Metal Gearmotor 37Dx52L mm 12V (Helical

Pinion)











Motor Driver IC











Brushed DC Motor Controllers



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Development Boards (Programmable Controllers)



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