

Manufacturers	<u>STMicroelectronics, Inc</u>
Package/Case	
Product Type	
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for VNH2SP30TR or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

VNH2SP30TR is a motor driver IC (integrated circuit) designed to control DC motors, stepper motors, and other loads in a variety of applications. It is manufactured by STMicroelectronics and has the following features:

### Features

**Dual full-bridge driver:** It can drive two DC motors or one stepper motor with up to 30A of current per channel.

**Low on-resistance:** It has a typical on-resistance of 19 mΩ per channel, which minimizes power dissipation and maximizes efficiency.

**Integrated protection:** It includes overcurrent, overtemperature, and undervoltage protection to ensure safe and reliable operation.

**PWM speed control:** It supports pulse width modulation (PWM) speed control, allowing for precise motor speed control.

**Fault reporting:** It can report faults through a dedicated fault pin, which can be used to shut down the system or trigger an alarm.

### Application

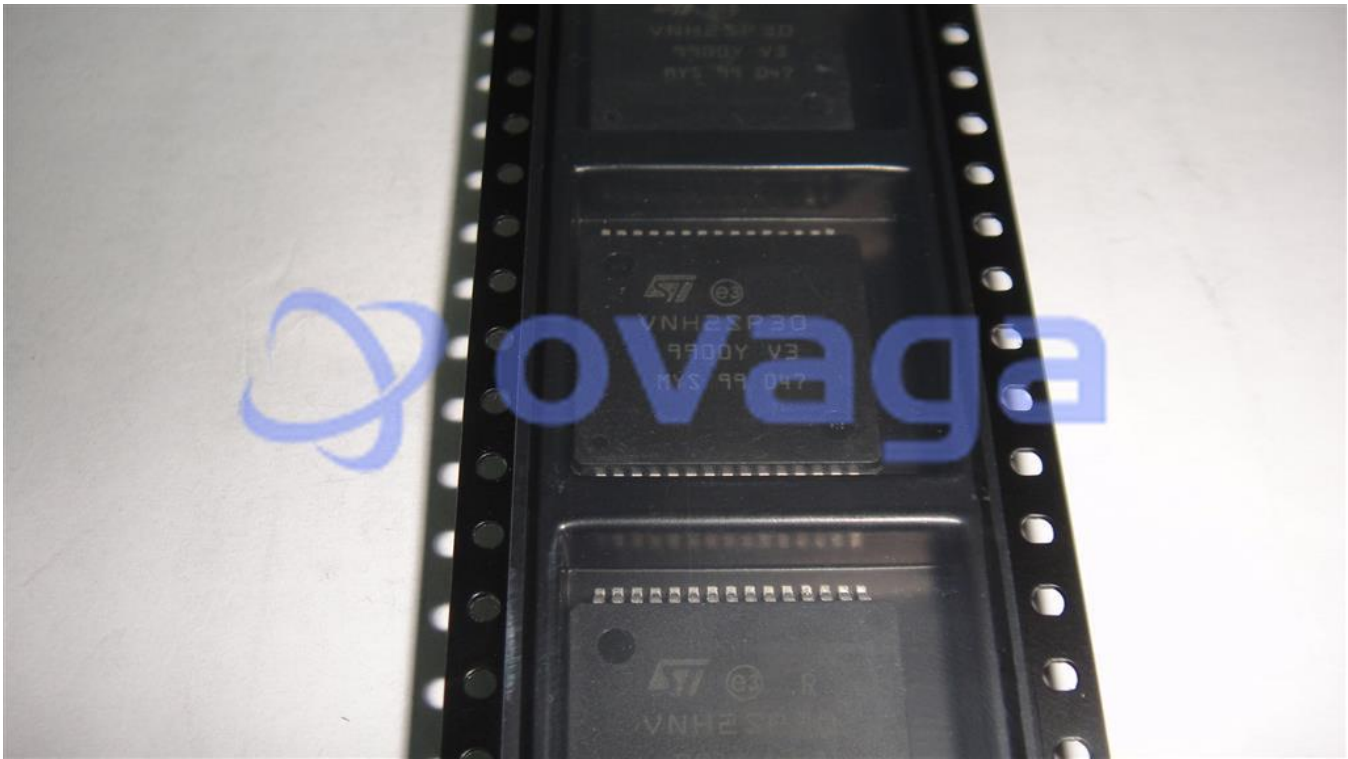
Electric power steering systems

Automotive HVAC (heating, ventilation, and air conditioning) systems

Electric water pumps

Industrial automation equipment

Robotics and drones



## Related Products



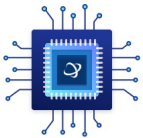
### [VNH5019A](#)

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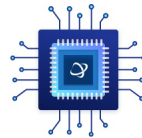
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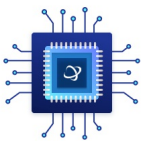
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### [VND5025BK](#)

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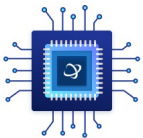
### [VN7050AJTR-E](#)

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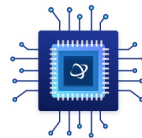
### [VNQ660SPTR](#)

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### [VNQ5050AK](#)

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### [VNQ5160K](#)

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