

Product Overview

NCV7708E: Double Hex Driver

For complete documentation, see the [data sheet](#)

The NCV7708E is a fully protected Hex-Half Bridge-Driver designed specifically for automotive and industrial motion control applications. The six low and high side drivers are freely configurable and can be controlled separately. This allows for high side, low side, and H-Bridge control. H-Bridge control provides forward, reverse, brake, and high impedance states. The drivers are controlled via a standard SPI interface.

Features

- Ultra Low Quiescent Current Sleep Mode
- Six Independent High-Side and Six independent Low-Side Drivers
- Integrated Freewheeling Protection (LS and HS)
- Internal Upper and Lower Clamp Diodes
- Configurable as H-Bridge Drivers
- 0.5 A Continuous (1 A peak) Current
- $R_{DS(on)} = 0.8$ (typ)
- 5 MHz SPI Control
- SPI Valid Frame Detection
- Compliance with 5 V and 3.3 V Systems

For more features, see the data sheet

Applications

- Automotive
- Industrial
- DC Motor Management

For more information please contact your local sales support at www.onsemi.com

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