

NCV7718B

Hex Half-Bridge Driver

Product Overview

For complete documentation, see the data sheet.

The NCV7718B/C is a Hex Half-Bridge Driver with protection features designed specifically for automotive and industrial motion control applications. The NCV7718B/C has independent controls and diagnostics. The device can be operated in forward, reverse, brake, and high impedance states. The drivers are controlled via a 16 bit SPI interface and are daisy chain compatible.

Features

- Low Quiescent Current Sleep Mode
- HighSide and LowSide Drivers Connected in a HalfBridge Configuration
- Integrated Freewheeling Protection (LS and HS)
- 0.55 A Peak Current
- RDS(on) = 1 Ohm (typ)
- Total Path Resistance (LS + HS) 4 Ohm (max) @ 500 mA
- Compliance with 5 V and 3.3 V Systems
- Undervoltage and Overvoltage Lockout
- Overcurrent and Overtemperature Protection
- Under Load Detection

For more features, see the data sheet

Applications

- Automotive
- Industrial
- DC Motor Management for HVAC Application