

Product Overview

NCV7720: Deca Half-Bridge Driver

For complete documentation, see the data sheet.

The NCV7720 Deca is a ten channel half-bridge driver with protection features designed specifically for automotive and industrial motion control applications. The product has independent controls and diagnostics, and the drivers can be operated in forward, reverse, brake, and high impedance states. The device is controlled via a 16 bit SPI interface and is daisy chain compatible.

Features

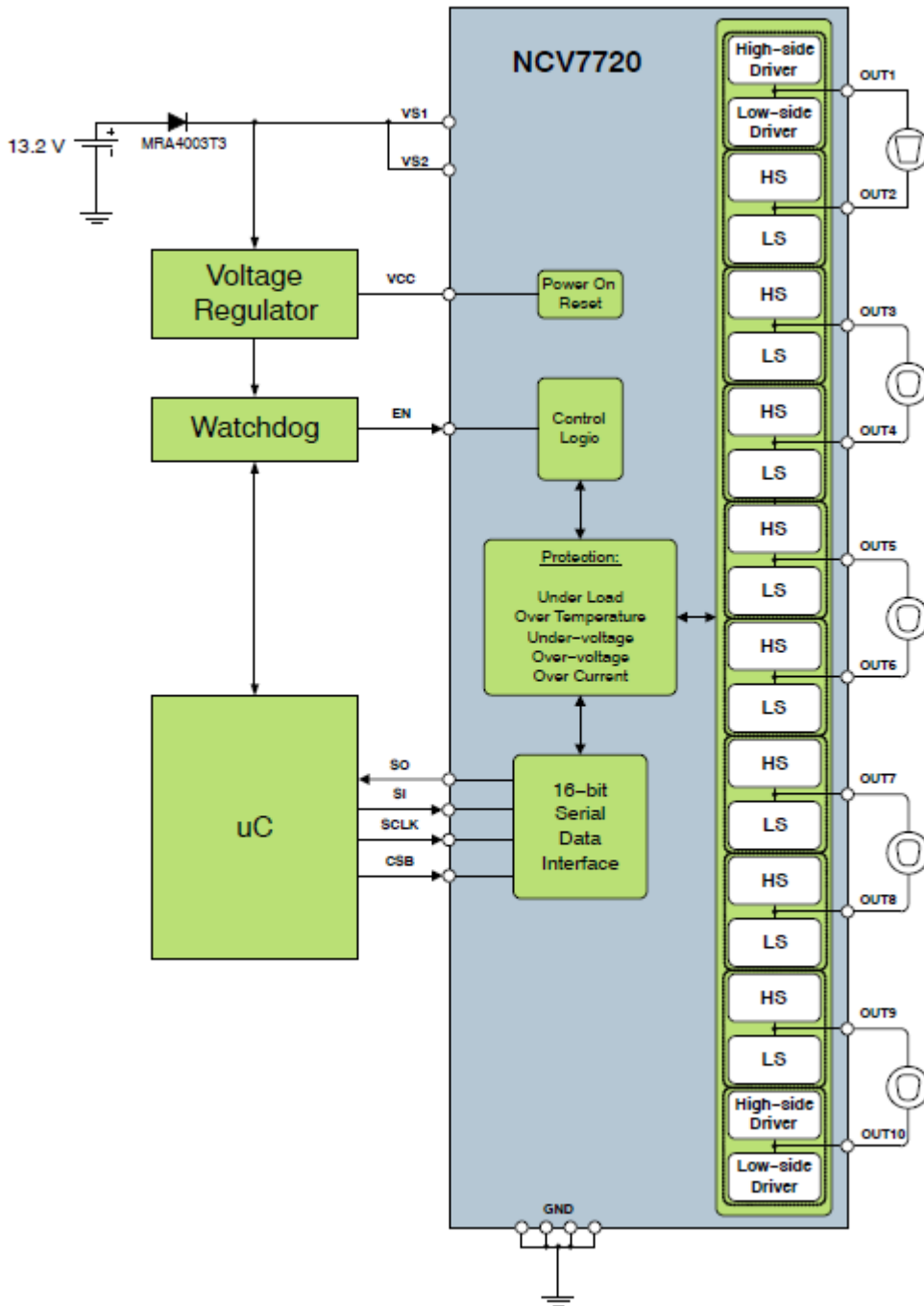
- Low Quiescent Current Sleep Mode
- HighSide and LowSide Drivers Connected in a HalfBridge Configuration
- Integrated Freewheeling Protection (LS and HS)
- 0.55 A Peak Current
- $R_{DS(on)} = 1 \text{ ohm (typ)}$
- 5 MHz SPI Control
- Compliance with 5 V and 3.3 V Systems
- Undervoltage and Overvoltage Lockout
- Overcurrent Protection
- Overtemperature Protection

For more features, see the data sheet

Applications

- Automotive
- Industrial
- DC Motor Management for HVAC Application

Application Diagram



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