

## Product Overview

### NCV7726A: 12 Channel Half-Bridge Driver

For complete documentation, see the data sheet.

The NCV7726A is a twelve 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

- A Version - Compatible with NCV7718/19/20
- Low Quiescent Current Sleep Mode
- Half-bridge Connected High-side & Low-side Driver Configuration
- Integrated High and Low-side Freewheeling Protection
- 1.1 A Peak Current
- $RDS(on) = 0.85 \Omega$  (typ.)
- 5 MHz SPI Control
- Compliance with 5 V and 3.3 V Systems
- Undervoltage & Overvoltage Lockout
- Global Fault Reporting

For more features, see the data sheet

#### Benefits

- Identical SPI Input and Output Frames

#### Applications

- Automotive
- Industrial
- DC Motor Management for HVAC Application

#### End Products

- Climate Control Module

### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	$V_M$ Min (V)	$V_M$ Max (V)	$V_{CC}$ Min (V)	$V_{CC}$ Max (V)	$I_O$ Min (A)	$I_O$ Peak Max (A)	Control Type	Current Sense	Package Type
NCV7726DQAR2G	2.7999	AEC Qualified PPAP Capable Pb-free Halide free	Active	5.5	40	3.15	5.5	1.1	2	SPI	None	SSOP-24 NB EP

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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