

Product Overview

NCV8408: Self-Protected Low Side Driver with Temperature and Current Limit

For complete documentation, see the data sheet.

NCV8408 is a single channel protected Low-Side Smart Discrete device. The protection features include overcurrent, overtemperature, ESD and integrated Drain-to-Gate clamping for overvoltage protection. Thermal protection includes a latch which can be reset by toggling the input. This device is suitable for harsh automotive environments.

Features

- Short Circuit Protection
 - Thermal Shutdown with Latched Reset
 - Gate Input Current Flag During Latched Fault Condition
 - Overvoltage Protection
 - Integrated Clamp for Inductive Switching
 - ESD Protection
 - dV/dt Robustness
 - Analog Drive Capability (Logic Level Input)
 - AEC-Q100 Qualified
 - NCV Prefix for Automotive and Other Applications Requiring Site and Change Control
- For more features, see the data sheet

Applications

- Switch a Variety of Resistive, Inductive and Capacitive Loads
- Can Replace Electromechanical Relays and Discrete Circuits
- Relay Driver
- Lamp Driver

End Products

- Automobiles

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

Created on: 5/19/2019