

Product Overview

NCV8401A: Self-Protected Low Side Driver with Temperature and Current Limit

For complete documentation, see the data sheet.

NCV8401 is a three terminal protected Low-Side Smart Discrete device. The protection features include overcurrent, overtemperature, ESD and integrated Drain-to-Gate clamping for overvoltage protection. This device offers protection and is suitable for harsh automotive environments.

Features

- Short Circuit Protection
- Thermal Shutdown with Automatic Restart
- Integrated Clamp for Inductive Switching
- ESD Protection
- dV/dt Robustness
- Analog Drive Capability (Logic Level Input)
- RoHs Compliant
- AEC-Q101 Qualified
- NCV Prefix for Automotive and Other Applications Requiring Site and Change Control
- This is a PbFree Device

For more features, see the data sheet

Applications

- Switch a Variety of Resistive, Inductive and Capacitive Loads
- Can Replace Electromechanical Relays and Discrete Circuits
- Automotive / Industrial

End Products

- Lamp Driver
- Relay Driver

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

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