



Product Overview

NCV8141: Linear Voltage Regulator, 500 mA, 5.0 V, with Enable, Reset and Watchdog

For complete documentation, see the [data sheet](#)

Product Description

The NCV8141 is a linear regulator suited for microprocessor applications in automotive environments.

This ON Semiconductor part provides the power for the microprocessors along with many of the control functions needed in today's computer based systems.

Incorporating all of these features saves both cost, and board space.

The NCV8141 provides a low sleep mode current as compared to the CS8141.

Consult your local sales representative for a low sleep mode current version of the CS8140.

Features

- 5.0V 3%, 500mA Output Voltage
- Watchdog
- /RESET
- ENABLE
- Low Dropout Voltage
- Low Noise, Low Drift
- Thermal Shutdown
- Short Circuit
- 60V Peak Transient Voltage
- NCV Prefix for Automotive and Other Applications requiring site and Change Control

Applications

- Automotive

Part Electrical Specifications

Product	Compliance	Status	Output	Polarity	V _O (V)	I _O Typ (A)	V _I Max (V)	V _{DO} Typ (V)	I _q Typ (mA)	PSRR (dB)	Noise (μV _{rms})	Package Type
NCV8141D2TR4G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	5	0.5	60	1.25	7	75		D ² PAK-7

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

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