

製品概要

NCP45540: Load Switch, Integrated, ecoSWITCH™, 18 A, Fault Protection

技術情報は、データシートをご参照ください。

The NCP45540 load switch provides a component and area-reducing solution for efficient power domain switching with inrush current limit via soft-start. In addition to integrated control functionality with ultra low on-resistance, this device offers system safeguards and monitoring via fault protection and power good signaling. This cost effective solution is ideal for power management and hot-swap applications requiring low power consumption in a small footprint.

特長

- Advanced Controller with Charge Pump
- Integrated N-Channel MOSFET
- Soft-Start via Slew Rate Control (Adjustable)
- Ultra-Low On-Resistance
- Input Voltage Range 0.5 V to 13.5 V (18V Tolerant)
- Low Standby Current
- Quick Output Discharge Function (Adjustable)
- No External Components Required
- Enable Pins with CMOS Input Levels
- Power Good Signaling

For more features, see the data sheet

アプリケーション

- Power Management
- System Protection
- Hot Swapping

最終製品

- Portable Electronics and Systems
- Telecom, Networking, Medical, and Industrial Equipment
- Set-top Boxes
- Residential Gateways
- Notebook and Tablet Computers

電気的仕様

製品	Compliance	Status	Channels	r_{on} (mΩ)	I Max (A)	V_i Min (V)	V_i Max (V)	Package Type
NCP45540IMNTWG-H	Pb-free Halide free	Active	1	3.3	18	0.5	13.5	DFN-12
NCP45540IMNTWG-L	Pb-free Halide free	Active	1	3.3	18	0.5	13.5	DFN-12

詳細は、弊社 www.onsemi.jp の営業または販売代理店にお問い合わせください。

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