

NCP45560IMNGEVB: Integrated Load Switch with Ultra-Low Ron, 23A, Evaluation Board

The NCP45560 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.



Features and Applications

Features

- Advanced Controller with Charge Pump
- Integrated N-Channel MOSFET
- Soft-Start via Slew Rate Control (Adjustable)
- Input Voltage Range 0.5 V to 13.5 V (18V Tolerant)
- Low Standby Current
- Quick Output Discharge Function (Adjustable)
- Power Good Signaling
- Fault Protection: Over Temperature
- Fault Protection: Under Voltage Lockout
- Fault Protection: Short-Circuit Protection

Evaluation/Development Tool Information				
Product	Status	Compliance	Short Description	Parts Used
NCP45560IMNGEVB	Active	Pb-free	Integrated Load Switch with Ultra-Low Ron, 23A, Evaluation Board	NCP45560IMNTWG-H , NCP45560IMNTWG-L
				» Contact Local Sales Office

Technical Documents			
Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCP45560IMNGEVB Bill of Materials ROHS Compliant	NCP45560IMNGEVB_BOM_ROHS - 76 KB	0
Eval Board: Gerber	NCP45560IMNGEVB Gerber Layout Files (Zip Format)	NCP45560IMNGEVB_GERBER - 16 KB	0
Eval Board: Schematic	NCP45560IMNGEVB Schematic	NCP45560IMNGEVB_SCHEMATIC - 212 KB	0
Eval Board: Test Procedure	NCP45560IMNGEVB Test Procedure	NCP45560IMNGEVB_TEST_PROCEDURE - 21 KB	0

Previously Viewed Products

Select Product...Go

Clear List

Design Support

- » [Technical Documentation](#)
- » [Design Resources & Documents](#)
- » [Technical Support](#)
- » [Sales Support](#)