

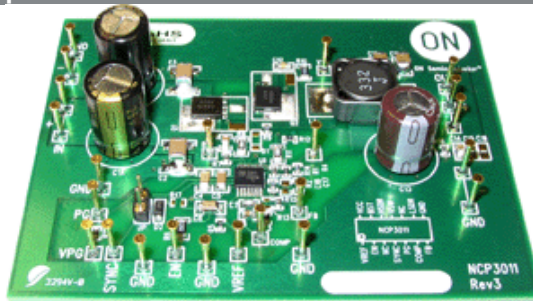


NCP3011GEVB: PWM Device Evaluation Board

Evaluation Board Description

The NCP3011 is a PWM device designed to operate from a wide input range and is capable of producing an output voltage as low as 0.8 V. The NCP3011 provides a 1.0 A gate driver and an internally set 400 kHz oscillator. The NCP3011 has an externally compensated transconductance error amplifier with an internally fixed soft-start. The NCP3011 incorporates output voltage monitoring with a

PowerGood pin to indicate that the system is in regulation. The dual function SYNC pin synchronizes the device to a higher frequency (Slave Mode) or outputs a 180° out-of-phase clock signal to drive another NCP3011 (Master Mode). Protection features include lossless current limit and short circuit protection, output overvoltage and undervoltage protection, and input undervoltage lockout.



Features and Applications

Features

- Input voltage range from 9 V to 18 V
- PowerGood output pin
- Enable/Disable pin

Evaluation Board Information

Evaluation Board	Status	Compliance	Short Description	Parts Used	Action
NCP3011GEVB	Active	Pb-free	PWM Device Evaluation Board	NCP3011DTBR2G	

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCP3011GEVB Bill of Materials ROHS Compliant	NCP3011GEVB_BOM_ROHS.PDF - 97.0 KB	3
Eval Board: Gerber	NCP3011GEVB Gerber Layout Files (Zip Format)	NCP3011GEVB_GERBER.ZIP - 142.0 KB	0
Eval Board: Schematic	NCP3011GEVB Schematic	NCP3011GEVB_SCHEMATIC.PDF - 21.0 KB	3
Eval Board: Test Procedure	NCP3011GEVB Test Procedure	NCP3011GEVB_TEST_PROCEDURE.PDF - 127.0 KB	0