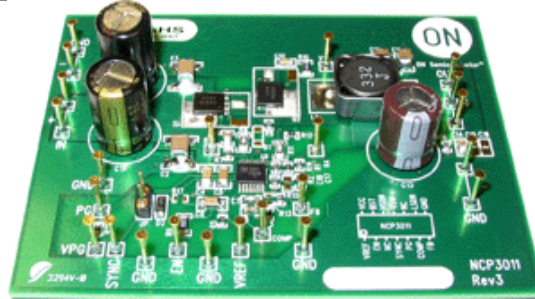




## NCP3011GEVB: PWM Device Evaluation Board

### 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
<a href="#">NCP3011GEVB</a>	Active	Pb-free	PWM Device Evaluation Board	<a href="#">NCP3011DTBR2G</a>	

### Technical Documents

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

