



NCP3063DIPBSTEVB: Leadless Boost Regulator Evaluation Board

The NCP3063 Series is a performance enhancement to the popular MC33063 and MC34063 monolithic DC-DC converters. These devices consist of an internal temperature compensated reference, comparator, controlled duty cycle oscillator with an active current limit circuit, driver and high output current switch. This controller was specifically designed to be incorporated in step-down, step-up, or voltage inverting applications with a minimum number of external components. The NCP3063 Boost Evaluation Board is a 250 kHz maximum switching frequency board with a 12V input (9V - 15V). The output is 24V with a load current from 50 mA to 350 mA with the efficiency higher than 85% (at 150 kHz). The board is well suited for general purpose step-up applications as well as LED lighting applications.



Features and Applications

Features

- 250 kHz maximum switching frequency
- 9V to 15V input voltage range
- Efficiency greater than 85% at 150 kHz

Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
NCP3063DIPBSTEVB	Active		Leadless Boost Regulator Evaluation Board	NCP3063PG	Contact Local Sales Office

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCP3063DIPBSTEVB Bill of Materials ROHS Compliant	NCP3063DIPBSTEVB_BOM.PDF - 99.0 KB	1
Eval Board: Gerber	NCP3063DIPBSTEVB Gerber Layout Files (Zip Format)	NCP3063DIPBSTEVB_GERBER.ZIP - 40.0 KB	0
Eval Board: Schematic	NCP3063DIPBSTEVB Schematic	NCP3063DIPBSTEVB_SCHEMATIC.PDF - 176.0 KB	0
Eval Board: Test Procedure	NCP3063DIPBSTEVB Test Procedure	NCP3063DIPBSTEVB_TEST_PROCEDURE.PDF - 88.0 KB	0
Video	Leadless Boost Regulator Evaluation Board - NCP3063DIPBSTEVB	WVD17661/D	

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