



NCP3063DIPINVEVB: Leaded Voltage Inverting 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 Voltage Inverting Evaluation Board is a 250 kHz maximum switching frequency board with -12V output. The output is capable of loads up to 100 mA with the efficiency higher than 49% (at 150 kHz, input voltage 5V). The input voltage for the -12V output is 4.5V to 6V.



Features and Applications

Features

- 250 kHz maximum switching frequency
- Efficiency greater than 49% at 150 kHz
- 4.5V to 6V input voltage

Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
NCP3063DIPINVEVB	Active		Leaded Voltage Inverting Evaluation Board	NCP3063PG	» Contact Local Sales Office » Inventory

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCP3063DIPINVEVB Bill of Material	NCP3063DIPINVEVB_BOM.PDF - 13.0 KB	2
Eval Board: Gerber	NCP3063DIPINVEVB Gerber Layout Files (Zip Format)	NCP3063DIPINVEVB_GERBERS.ZIP - 42.0 KB	0
Eval Board: Schematic	NCP3063DIPINVEVB Schematic	NCP3063DIPINVEVB_SCHEMATIC.PDF - 77.0 KB	0
Eval Board: Test Procedure	NCP3063DIPINVEVB Test Procedure	NCP3063DIPINVEVB_TEST_PROCEDURE.PDF - 96.0 KB	0

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