

✖

Design Support

Technical Documentation

✖

Design Resources

Design & Development Tools

Evaluation Boards

Conversion Services

Evaluation Board Documents

Custom Foundry Services

Sample Kits

Simulation Models

Product Recommendation Tools

Software

Video

Technical Support

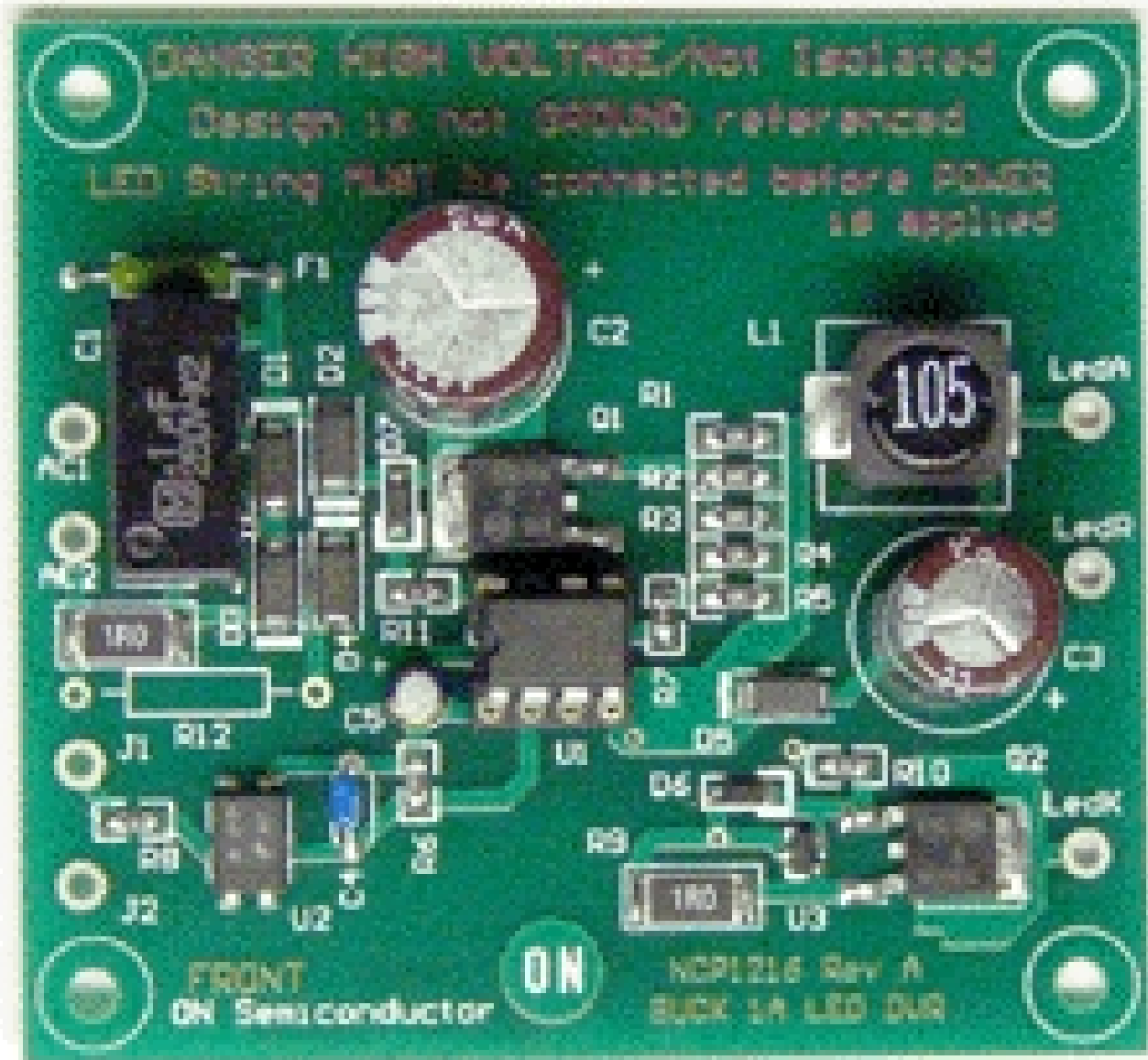
Home > Support > Design Support > Design Resources > Evaluation Boards

NCP1216LEDGEVB:NON ISOLATED BUCK LED DRI

Evaluation Board Description

The NCP1216LEDGEVB is designed to the illustrate the performance of the NCP1216 in a non -isolated AC -DC constant current buck LED driver configuration As designed in the board it is capable of driving up to 1A. By changing some of the resistors on board, lower current performance is possible. The design is based on a peak current control scheme were the 100 kHz PWM controller is operating in the continuous current mode step down configuration. The evaluation board does have a optocoupler input for optional PWM dimming, the optocoupler is required since this is a non -isolated topology and the NCP1216 is in a floating topology. This board is designed for application where the input line voltage ranges from 90 ? Vac.

The NCP1216 features a fixed frequency PWM architecture with built in frequency jittering to minimize the EMI signature and drive capability of up to 500mA for the external MOSFET, The NCP1216 represents an excellent solution where cost and ease of implementation are at a premium. The NCP1216 has dynamic self supply so it can be powered directly from the HV Bulk voltage.



Previously Viewed Products

Select Product ...

Go

Clear List

Design Support

Technical Documentation

Design Resources

Technical Support

Sales Support

Evaluation Board Information

Evaluation Board	Status	Pb - free	Short Description	Parts Used	Action
NCP1216LEDGEVB	Active	✖ Pb - f r	NON ISOLATED BUCK LED DRI	NCP1216P100G	Contact Local Sales Office

Technical Documents			
Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCP1216LEDGEVB Bill of Materials ROHS Compliant	NCP1216LEDGEVB_BOM_ROHS.PDF - 39.0 KB	0
Eval Board: Gerber	NCP1216LEDGEVB Gerber Layout Files (Zip Format)	NCP1216LEDGEVB_GERBER.ZIP - 54.0 KB	0
Eval Board: Schematic	NCP1216LEDGEVB Schematic	NCP1216LEDGEVB_SCHEMATIC.PDF - 128.0 KB	0
Eval Board: Test Procedure	NCP1216LEDGEVB Test Procedure	NCP1216LEDGEVB_TEST_PROCEDURE.PDF - 147.0 KB	0