ON Semiconduc	ctor*	Selection. Se Power Solutions fro	rvice. Support. m ON Semiconductor	ontact Us Company jn Part #/Keyword	Investors ? ???	??? ??????? Q Search » Advanced
HOME	PRODUCTS	DESIGN SUPPORT	APPLICATIONS	QUALITY	MyON: Sign In or	Register
Design Suppo	ort Home >	Support > Design Sup	port > Design Resourd	ces > Evaluation Board	ds Previously View	wed Products
Technical Documentation	NCP1	216LEDGEVB:NO	N ISOLATED BUG	CK LED DRI		Clear List
Design Resources	Evalu The N docio	Iation Board Descrip ICP1216LEDGEVE	tion Bis tho	SER HERH UCLTHRE/Not Isola	Design Suppo	ort
Design & Development Tools	perfor in a n consta driver	rmance of the NCP on -isolated AC - ant current buck LE	1216 DC D	HELEN LE NOL SIGUED references ring TAN LA connected defere 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Technical Do Design Reso Technical Su Sales Suppo	ocumentation ources opport rt
Evaluation	desig	ned in the board it i	S S		6	

Boards

Conversion Services

Evaluation Board Documents

Custom Foundry Services

Sample Kits

Simulation Models

Product Recommendation Tools

Software

Video

Technical Support

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 PWI operating in the continuous current mo configuration. The evaluation board do optocoupler input for optional PWM dir



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 capablity 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.

Evaluation Board Information

Privacy

Policy

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

Technical Documents								
Туре	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					

Copyright © 1999 - 2009 ON Semiconductor

Site

Map

Terms of

Use

Contact

Us

Careers

Terms and

Conditions