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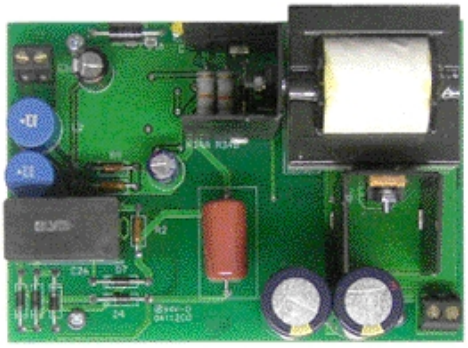
NCP165148VEVB:NCP1651 90 W Universal Input Single Stage PFC Converter Evaluation Board

Evaluation Board Description



This evaluation board is the implementaion of a 90 W, universal input Flyback Power-Factor-Correction (PFC) converter using ON Semiconductor's NCP1651 controller. The NCP1651 enables a low cost single-stage (with a low voltage isolated output) PFC converter as demonstrated in this evaluation circuit, which is designed for a 48 Vdc, at 1.9 A of output current. The NCP1651 is designed to operate in the fixed frequency, continuous mode (CCM), or discontinuous mode (DCM) of operation, in a Flyback converter topology.

Evaluation Board Information

Evaluation Board	Short Description	Status	Parts Used	Action
NCP165148VEVB	NCP1651 90 W Universal Input Single Stage PFC Converter Evaluation Board	Active	NCP1651DR2G	Contact Local Sales Office

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCP165148VEVB Bill of Materials	NCP165148VEVB_BOM.PDF - 63.0 KB	1
Eval Board: Gerber	NCP165148VEVB Gerber Layout Files (ZIP Format)	NCP165148VEVB_GERBER.ZIP - 461.0 KB	5
Eval Board: Schematic	NCP165148VEVB Schematic	NCP165148VEVB_SCHEMATIC.PDF - 40.0 KB	0
Eval Board: Test Procedure	NCP165148VEVB Test Procedure	NCP165148VEVB_TEST_PROCEDURE.PDF - 29.0 KB	1
Eval Board: Manual	NCP165148VEVB Evaluation Board Manual	NCP165148BEVB MANUAL REV4.PDF - 114.0 KB	4
Eval Board: BOM	NCP165148VEVB Bill of Material RoHS Compliant	NCP165148VEVB_BOM_ROHS.PDF - 109.0 KB	0

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