



NCP1654PFCGEVB: Power Factor Controller Evaluation Board

The NCP1654GEVB is a Power Factor Controller to efficiently drive Continuous Conduction Mode (CCM) step-up pre-converters. The NCP1654 allows operation in Follower Boost mode to drastically lower the pre-converter size and cost, in a straight-forward manner. The NCP1654 is a continuous conduction mode and fixed frequency controller (65kHz). The coil (650 uH) is selected to limit the peak to peak current ripple in the range of 36 % at the sinusoid top, in full load and low line conditions.



Features and Applications

Features

- Fast Transient Response
- Low Operating Consumption
- Inrush Currents Detection
- Overvoltage Protection
- Brown-Out Detection

Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
NCP1654PFCGEVB	Active	Pb-free	Power Factor Controller Evaluation Board	NCP1654BD65R2G	» Contact Local Sales Office » Inventory

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCP1654PFCGEVB Bill of Materials ROHS Compliant	NCP1654PFCGEVB_BOM_ROHS.PDF - 122 KB	1
Eval Board: Gerber	NCP1654PFCGEVB Gerber Layout Files (Zip Format)	NCP1654PFCGEVB_GERBER.ZIP - 55.0 KB	0
Eval Board: Schematic	NCP1654PFCGEVB Schematic	NCP1654PFCGEVB_SCHEMATIC.PDF - 234.0 KB	1
Eval Board: Test Procedure	NCP1654PFCGEVB Test Procedure	NCP1654PFCGEVB_TEST_PROCEDURE.PDF - 244.0 KB	0
Video	Power Factor Solutions with the NCP1654PFCGEVB Evaluation Board	TND6097/D	1

Previously Viewed Products

Select Product...

[Clear List](#)

Design Support

[Technical Documentation](#)

[Design Resources & Documents](#)

[Technical Support](#)

[Sales Support](#)

Featured Video

Power Factor Solutions with the NCP1654PFCGEVB Evaluation Board



[More Videos ...](#)

