



## NCP1607BOOSTGEVB: 100 W Boost Evaluation Board

### Evaluation Board Description

The NCP1607 is a voltage mode power factor correction controller designed to drive cost-effective converters to meet input line harmonic regulations. The device operates in Critical Conduction Mode (CRM) for optimal performance in applications up to about 300 W. Its voltage mode scheme enables it to obtain unity power factor without the need for a line sensing network. The output voltage is accurately controlled with a built in high precision error amplifier. The controller also implements a comprehensive array of safety features for robust designs.



### Features and Applications

#### Features

- High power factor
- Low standby power dissipation
- High active mode efficiency
- Open feedback loop protection

### Evaluation Board Information

Evaluation Board	Status	Compliance	Short Description	Parts Used	Action
NCP1607BOOSTGEVB	Active	Pb-free	100 W Boost Evaluation Board	NCP1607BDR2G	

### Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCP1607BOOSTGEVB Bill of Materials ROHS Compliant	NCP1607BOOSTGEVB_BOM_ROHS.PDF - 139.0 KB	0
Eval Board: Gerber	NCP1607BOOSTGEVB Gerber Layout Files (Zip Format)	NCP1607BOOSTGEVB_GERBER.ZIP - 49.0 KB	0
Eval Board: Schematic	NCP1607BOOSTGEVB Schematic	NCP1607BOOSTGEVB_SCHEMATIC.PDF - 126.0 KB	0
Eval Board: Test Procedure	NCP1607BOOSTGEVB Test Procedure	NCP1607BOOSTGEVB_TEST_PROCEDURE.PDF - 232.0 KB	0

