



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

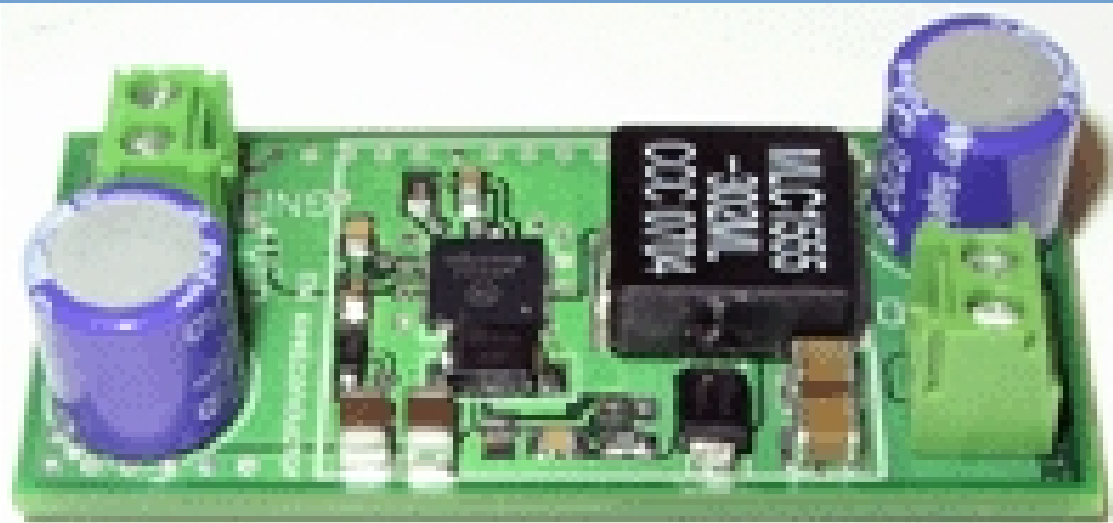
Technical Support

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

## NCP3101BUCK2GEVB:NCP3101 Evaluation Board 55X25MM

### Evaluation Board Description

The NCP3101 is a high efficiency, wide input, high output current, synchronous PWM buck converter designed to operate from a 4.5 V to 13.2 V supply. The device is capable of producing an output voltage as low as 0.8 V. The NCP3101 can continuously output 6 A through MOSFET switches driven by an internally set 275 kHz oscillator. The 40 -pin device provides an optimal level of integration to reduce size and cost of the power supply. The NCP3101 also incorporates an externally compensated transconductance error amplifier and a capacitor programmable soft -start function. Protection features include programmable short circuit protection and under voltage lockout (UVLO). The NCP3101 is available in a 40 -pin QFN package. Also available in a 10A version NCP3102.




### Features and Applications

#### Features

- ? Integrated 6A Switching Regulator
- ? 0.8 V +/- - 1% internal reference
- ? Resistor programmable current limit
- ? 275 kHz fixed frequency operation
- ? Capacitor programmable soft -start
- ? 18 mohm Internal HS and LS FET

### Evaluation Board Information

Evaluation Board	Status	Pb - free	Short Description	Parts Used	Action
NCP3101BUCK2GEVB	Active	<div> Pb-free</div>	NCP3101 Evaluation Board 55X25MM	NCP3101MNTXG	Contact Local Sales Office

### Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCP3101BUCK2GEVB Bill of Materials ROHS Compliant	NCP3101BUCK2GEVB_BOM_ROHS.PDF - 77.0 KB	0
Eval Board: Gerber	NCP3101BUCK2GEVB Gerber Layout Files (Zip Format)	NCP3101BUCK2GEVB_GERBER.ZIP - 76.0 KB	0
Eval Board: Schematic	NCP3101BUCK2GEVB Schematic	NCP3101BUCK2GEVB_SCHEMATIC.PDF - 148.0 KB	0
Eval Board: Test Procedure	NCP3101BUCK2GEVB Test Procedure	NCP3101BUCK2GEVB_TEST_PROCEDURE.PDF - 201.0 KB	1

#### Previously Viewed Products

Select Product ...



Clear List

#### Design Support

- Technical Documentation
- Design Resources
- Technical Support
- Sales Support