

NCP1581SBCKRGEVB: Synchronous Buck Evaluation Board

The NCP1581 controller IC is designed to provide a simple synchronous buck regulator for on-board DC to DC applications in a 14-pin SOIC. The NCP1581 is designed specifically for tracking applications by providing the track input.

The NCP1581 operates at a fixed internal 400 kHz switching frequency allowing the use of small external components. The device features a programmable soft start set by an external capacitor, under-voltage lockout and output under-voltage detection that latches off the device when an output short is detected.



Features and Applications

Features

- Power up Sequencing / Tracking
- Enable Input
- Internal 400 kHz Oscillator
- Programmable Soft-Start
- Fixed Frequency Voltage Mode
- Voltage Mode Adaptive Deadtime
- These are Pb-Free Devices

Applications

- Tracking Applications
- Game Consoles
- Computing Peripheral Voltage Regulators
- Graphics Cards
- General DC to DC Converters

Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
NCP1581SBCKRGEVB	Active		Synchronous Buck Evaluation Board	NCP1581DR2G	» Contact Local Sales Office » Inventory

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCP1581SBCKRGEVB Bill of Materials ROHS Compliant	NCP1581SBCKRGEVB_BOM_ROHS.PDF - 99.0 KB	0
Eval Board: Gerber	NCP1581SBCKRGEVB Gerber Layout Files (Zip Format)	NCP1581SBCKRGEVB_GERBER.ZIP - 30.0 KB	0
Eval Board: Schematic	NCP1581SBCKRGEVB Schematic	NCP1581SBCKRGEVB_SCHEMATIC.PDF - 121.0 KB	0
Eval Board: Test Procedure	NCP1581SBCKRGEVB Test Procedure	NCP1581SBCKRGEVB_TEST_PROCEDURE.PDF - 728.0 KB	0
Video	Synchronous Buck Evaluation Board - NCP1581SBCKRGEVB	WVD17579/D	

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