



## NCP1034BCK5VGEVB: High Voltage PWM Controller Evaluation Board

The NCP1034 is a high voltage PWM controller designed for high performance synchronous Buck DC-DC applications. The NCP1034 drives a pair of external N-MOSFETs using a programmable switching frequency up to 500 kHz which allows flexibility to tune the operation of the IC to meet system level requirements. An external synchronization feature allows the simplification of system level filter design. The output voltage can be precisely regulated using the internal 1.25 V reference voltage for low voltage applications. Protections such as under voltage lockout and hiccup current limit are provided to give required system level security in the event of a fault.



### Features and Applications

#### Features

- Input voltage up to 100V
- 1.25 V +/-1.5% feedback voltage across temperature
- External Frequency Synchronization
- Programmable switching frequency up to 500 kHz
- 2 A Output Drive Capability

### Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
NCP1034BCK5VGEVB	Active	Pb-free	High Voltage PWM Controller Evaluation Board	NCP1034DR2G	<a href="#">» Contact Local Sales Office</a> <a href="#">» Inventory</a>

### Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCP1034BCK5VGEVB Bill of Materials ROHS Compliant	<a href="#">NCP1034BCK5VGEVB_BOM_ROHS.PDF - 60.0 KB</a>	0
Eval Board: Gerber	NCP1034BCK5VGEVB Gerber Layout Files (Zip Format)	<a href="#">NCP1034BCK5VGEVB_GERBER.ZIP - 49.0 KB</a>	0
Eval Board: Schematic	NCP1034BCK5VGEVB Schematic	<a href="#">NCP1034BCK5VGEVB_SCHEMATIC.PDF - 130.0 KB</a>	0
Eval Board: Test Procedure	NCP1034BCK5VGEVB Test Procedure	<a href="#">NCP1034BCK5VGEVB_TEST_PROCEDURE.PDF - 207.0 KB</a>	0
Video	High Voltage PWM Controller with NCP1034BCK5VGEVB Evaluation Board	<a href="#">TND6128/D</a>	
Eval Boards	NCP1034 Buck Converter Evaluation Board User's Manual	<a href="#">EVBUM2356/D - 1437 KB</a>	2

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