



NCV8871LVBGEVB: Adjustable Output Non-Synchronous Boost Controller Evaluation Board

The NCV8871 is an adjustable output non-synchronous boost controller which drives an external N-channel MOSFET. The device uses peak current mode control with internal slope compensation. The IC incorporates an internal regulator that supplies charge to the gate driver. Protection features include internally-set soft-start, undervoltage lockout, cycle-by-cycle current limiting, hiccup-mode short-circuit protection and thermal shutdown. Additional features include low quiescent current sleep mode and externally-synchronizable switching frequency.



Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
NCV8871LVBGEVB	Active	Pb-free	Adjustable Output Non-Synchronous Boost Controller Evaluation Board	NCV887100D1R2G	Contact Local Sales Office

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCV8871LVBGEVB Bill of Materials ROHS Compliant	NCV8871LVBGEVB_BOM_ROHS.PDF - 66.0 KB	0
Eval Board: Gerber	NCV8871LVBGEVB Gerber Layout Files (Zip Format)	NCV8871LVBGEVB_GERBER.ZIP - 53.0 KB	0
Eval Board: Schematic	NCV8871LVBGEVB Schematic	NCV8871LVBGEVB_SCHEMATIC.PDF - 142.0 KB	0
Eval Board: Test Procedure	NCV8871LVBGEVB Test Procedure	NCV8871LVBGEVB_TEST_PROCEDURE.PDF - 43.0 KB	0
Eval Board: Manual	NCV8871LVBGEVB Automotive Grade Boost Controller Low Power Boost Evaluation Board User's Manual	EVBUM2217/D - 561 KB	0
Video	Adjustable Output Non-Synchronous Boost Controller Evaluation Board - NCV8871LVBGEVB Test Procedure	TND6188/D	

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