



NCV891330PD50GEVB: Automotive 3-A 2-MHz Low-Iq Dual-Mode Step-Down Regulator Evaluation Board

Evaluation board for the NCV891330 Dual Mode regulator intended for Automotive, battery-connected applications that must operate with up to a 45V input supply. Depending on the output load, it operates either as a PWM Buck Converter or as a Low Drop-Out Linear Regulator, and is suitable for systems with low noise and Low Quiescent Current requirements often encountered in automotive driver information systems. A reset pin (with fixed delay) simplifies interfacing with a microcontroller. The NCV891330 also provides several protection features expected in automotive power supply systems such as current limit, short circuit protection, and thermal shutdown. In addition, the high switching frequency produces low output voltage ripple even when using small inductor values and an all-ceramic output filter capacitor – forming a space-efficient switching regulator solution. This is the 5.0 volt version of the part.

Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
NCV891330PD50GEVB	Active	Pb-free	Automotive 3-A 2-MHz Low-Iq Dual-Mode Step-Down Regulator Evaluation Board	NCV891330PD50R2G	» Contact Local Sales Office

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCV891330PD50GEVB Bill of Materials ROHS Compliant	NCV891330PD50GEVB_BOM_ROHS - 26 KB	1
Eval Board: Gerber	NCV891330PD50GEVB Gerber Layout Files (Zip Format)	NCV891330PD50GEVB_GERBER - 98 KB	0
Eval Board: Schematic	NCV891330PD50GEVB Schematic	NCV891330PD50GEVB_SCHEMATIC - 110 KB	0
Eval Board: Test Procedure	NCV891330PD50GEVB Test Procedure	NCV891330PD50GEVB_TEST_PROCEDURE - 68 KB	1
Video	Automotive 5V 3-A 2-MHz Low-Iq Dual-Mode Step-Down Regulator Evaluation Board - NCV891330PD50GEVB	TND6169/D	

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