



NCP1239B65WGEVB: 65W, 19V, Power Supply Evaluation Board

The NCP1239B65WGEVB is a 65 W, 19V, fixed-frequency current-mode controller Evaluation Board featuring the Dynamic Self-Supply. This function greatly simplifies the design of the auxiliary supply and the Vcc capacitor by activating the internal startup current source to supply the controller during start-up, transients, latch, stand-by etc. With a supply range up to 35 V, the controller hosts a jittered 65 or 100-kHz switching circuitry operated in peak current mode control. When the power on the secondary side starts to decrease, the controller automatically folds back its switching frequency down to minimum level of 26 kHz. As the power further goes down, the part enters skip cycle while limiting the peak current that insures excellent efficiency in light load condition. It features a timer-based fault detection that ensures the detection of overload and an adjustable compensation to help keep the maximum power independent of the input voltage.



Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
NCP1239B65WGEVB	Active	Pb-free	65W, 19V, Power Supply Evaluation Board	NCP1239BD65R2G	Contact Local Sales Office

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCP1239B65WGEVB Bill of Materials ROHS Compliant	NCP1239B65WGEVB_BOM_ROHS.pdf - 62 KB	1
Eval Board: Gerber	NCP1239B65WGEVB GERBER Layout Files (Zip Format)	NCP1239B65WGEVB_GERBER.zip - 580 KB	0
Eval Board: Schematic	NCP1239B65WGEVB SCHEMATIC	NCP1239B65WGEVB_SCHEMATIC.pdf - 188 KB	1
Eval Board: Test Procedure	NCP1239B65WGEVB TEST PROCEDURE	NCP1239B65WGEVB_TEST_PROCEDURE.pdf - 123 KB	0
Video	65W, 19V, Power Supply Evaluation Board - NCP1239B65WGEVB	WVD17592/D	

Previously Viewed Products

Select Product... [Go](#) [Clear List](#)

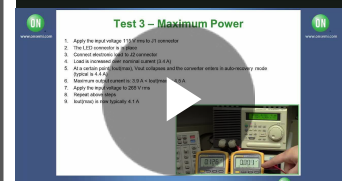
Design Support

[Technical Documentation](#)
[Design Resources & Documents](#)
[Technical Support](#)
[Sales Support](#)

Featured Video

65W, 19V, Power Supply Evaluation Board - NCP1239B65WGEVB

65W, 19V, Pow..
This video demons...



[More Videos ...](#)

