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NCP3102BUCK1GEVB:NCP3102 DEMO BD 100X110M

Evaluation Board Description

The NCP3102 is a high efficiency, 10 A DC-DC buck converter designed to operate from a 5 V to 12 V supply. The device is capable of producing an output voltage as low as 0.8 V. The NCP3102 can continuously output 10 A through MOSFET switches driven by an internally set 275 kHz oscillator. The 40 -pin device provides an optimal level of integration to reduce size and cost of the power supply. The NCP3102 also incorporates an externally compensated transconductance error amplifier and a capacitor programmable soft -start function. Protection features include programmable short circuit protection and under voltage lockout (UVLO).

Evaluation Board Information

Evaluation Board	Status	Pb-free	Short Description	Parts Used	Action
NCP3102BUCK1GEVB	Active	<input checked="" type="checkbox"/> Pb-free	NCP3102 DEMO BD 100X110M	NCP3102MNTXG	Contact Local Sales Office

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCP3102BUCK1GEVB Bill of Materials ROHS Compliant	NCP3102BUCK1GEVB_BOM_ROHS.PDF - 223.0 KB	1
Eval Board: Gerber	NCP3102BUCK1GEVB Gerber Layout Files (Zip Format)	NCP3102BUCK1GEVB_GERBER.ZIP - 130.0 KB	0
Eval Board: Schematic	NCP3102BUCK1GEVB Schematic	NCP3102BUCK1GEVB_SCHEMATIC.PDF - 120.0 KB	0
Eval Board: Test Procedure	NCP3102BUCK1GEVB Test Procedure	NCP3102BUCK1GEVB_TEST_PROCEDURE.PDF - 369.0 KB	1

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