



NCP1027ATXGEVB: 10 W Standby ATX Evaluation Board

The NCP1027 offers a new solution targeting output power levels from a few watts up to 15 W in a universal mains flyback application. Proprietary high-voltage technology lets us include a power MOSFET together with a start up current source, all directly connected to the bulk capacitor. To prevent lethal runaway in low input voltage condition, an adjustable brown-out circuitry blocks the activity until a sufficient input level is reached. Current-mode operation together with an adjustable ramp compensation offers superior performance in universal mains applications.

Protection wise, a timer detects an overload or a short circuit and stops all operations, ensuring a safe auto-recovery, low duty cycle burst operation. Intergrated, auto-recovery, over voltage protection permanetley monitors the V_{CC} level and temporarily shuts down the driving pulses in case of an unexpected feedback loop runaway.

Finally, a great RDS_{on} figure makes the circuit an excellent choice for standby/auxiliary offline power supplies or application requiring higher output power levels.



Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
NCP1027ATXGEVB	Active	Pb-free	10 W Standby ATX Evaluation Board	NCP1027P065G	» Contact Local Sales Office » Inventory

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCP1027ATXGEVB Bill of Materials ROHS Compliant	NCP1027ATXGEVB_BOM_ROHS.PDF - 88.0 KB	0
Eval Board: Gerber	NCP1027ATXGEVB Gerber Layout Files (Zip Format)	NCP1027ATXGEVB_GERBER.ZIP - 22.0 KB	0
Eval Board: Schematic	NCP1027ATXGEVB Schematic	NCP1027ATXGEVB_SCHEMATIC.PDF - 29.0 KB	0
Eval Board: Test Procedure	NCP1027ATXGEVB Test Procedure	NCP1027ATXGEVB_TEST_PROCEDURE.PDF - 92.0 KB	0
Eval Board: Manual	NCP1027ATXGEVB Manual	EVBUM2144/D - 323.0 KB	1
Video	10 W Standby ATX Evaluation Board - NCP1027ATXGEVB	WVD17582/D	

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