



NCP382LD10AAGEVB: Single Input Dual Outputs High Side Power Distribution Switch Evaluation Board

The NCP382 is a single input dual outputs high side power distribution switch designed for applications where heavy capacitive loads and short circuits are likely to be encountered, incorporating two 80 mΩ, P-channel MOSFETs in a single package.

The device limits the output current to a desired level by switching into a constant current mode when the output load exceeds the current limit threshold or a short is present. The current limit threshold is internally fixed. The power switches rise and fall times are controlled to minimize current ringing during switching. The FLAG logic output asserts low during overcurrent and over temperature conditions. The switch is controlled by a logic enable input active high or low.



Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
NCP382LD10AAGEVB	Active	Pb-free	Single Input Dual Outputs High Side Power Distribution Switch Evaluation Board	NCP382HD10AAR2G	Contact Local Sales Office

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCP382LD10AAGEVB Bill of Materials ROHS Compliant	NCP382LD10AAGEVB_BOM_ROHS.PDF - 56.0 KB	0
Eval Board: Gerber	NCP382LD10AAGEVB Gerber Layout Files (Zip Format)	NCP382LD10AAGEVB_GERBER.ZIP - 119.0 KB	0
Eval Board: Schematic	NCP382LD10AAGEVB Schematic	NCP382LD10AAGEVB_SCHEMATIC.PDF - 32.0 KB	0
Eval Board: Test Procedure	NCP382LD10AAGEVB Test Procedure	NCP382LD10AAGEVB_TEST_PROCEDURE.PDF - 52.0 KB	0
Video	Fixed Current-Limiting Power Distribution Switches Evaluation Boards - NCP382 Test Procedure	WVD17064/D	

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[Fixed Current-Limiting Power Distribution Switches Evaluation Boards - NCP382 Test Procedure](#)

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