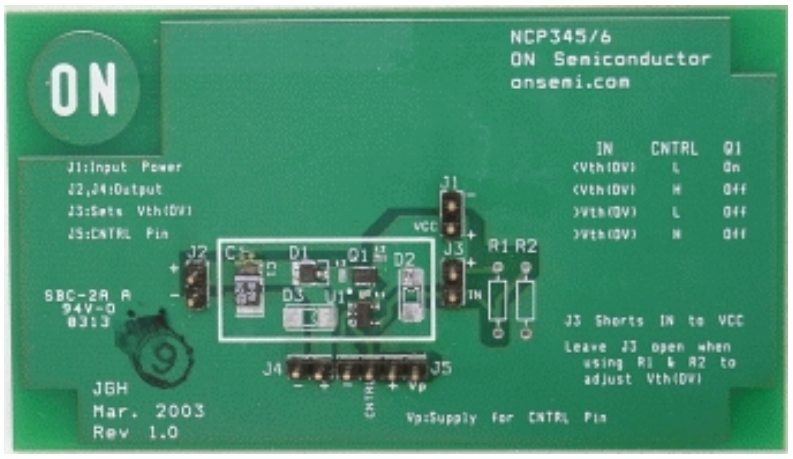
NCP345EVB:NCP345 6.85 V Overvoltage Protection IC Evaluation Board

Evaluation Board Description



The NCP345 over voltage protection circuit protects sensitive electronic circuitry from over voltage transients and power supply faults when used in conjunction with an external P -channel FET. The device is designed to sense an over voltage condition and quickly disconnect the input voltage supply from the load before any damage can occur. The OVP consists of a precise voltage reference, a comparator with hysteresis, control logic, and a MOSFET gate driver.

Features and Applications

Features

- Over Voltage Threshold of 6.85 V
- Over Voltage Turn Off Time of Less Than 1.0 µ sec
- CNTRL Input Compatible with 1.8 V Logic Levels

Evaluation Board Information

Evaluation Board	Short Description	Status	Parts Used	Action
NCP345EVB	NCP345 6.85 V Overvoltage Protection IC Evaluation Board	Active	NCP345SNT1	Contact Local Sales Office

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCP345EVB BILL OF MATERIALS	NCP345EVB_BOM.PDF - 29.0 KB	1
Eval Board: Gerber	NCP345EVB GERBER LAYOUT FILES (ZIP FORMAT)	NCP345EVB_GERBER.ZIP - 56.0 KB	1
Eval Board: Schematic	NCP345EVB SCHEMATIC	NCP345EVB_SCHEMATIC.PDF - 37.0 KB	1
Eval Board: Test Procedure	NCP345EVB TEST PROCEDURE	NCP345EVB_TEST_PROCEDURE.PDF - 61.0 KB	1

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