NCV8402AGEVB

NCV8402A Basic Evaluation Board User's Manual

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EVAL BOARD USER'S MANUAL

Description

The NCV8402A Basic Evaluation Board is designed for rapid evaluation of the NCV8402A single channel protected low side switch in the DFN6 Wettable Flank package. The board features force and sense test points for connecting to the Drain, Gate, and Source terminals. See NCV8402A datasheet for recommended operating conditions.

$V_{(BR)DSS}$ (Clamped)	$R_{DS(ON)}$ TYP	I_D MAX
42 V	165 mΩ @ 10 V	2.0 A *

*Max current limit value is dependent on input condition.

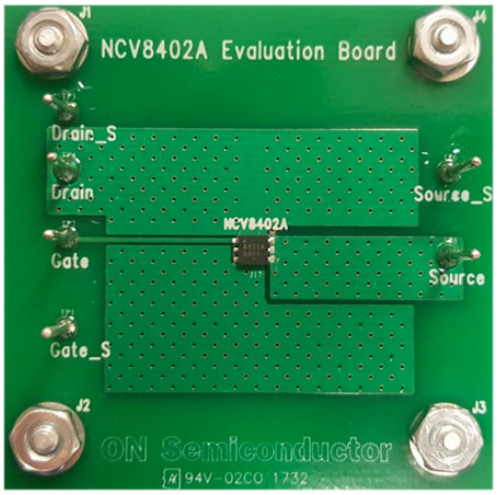

Figure 1. NCV8402A Basic Evaluation Board

Schematic

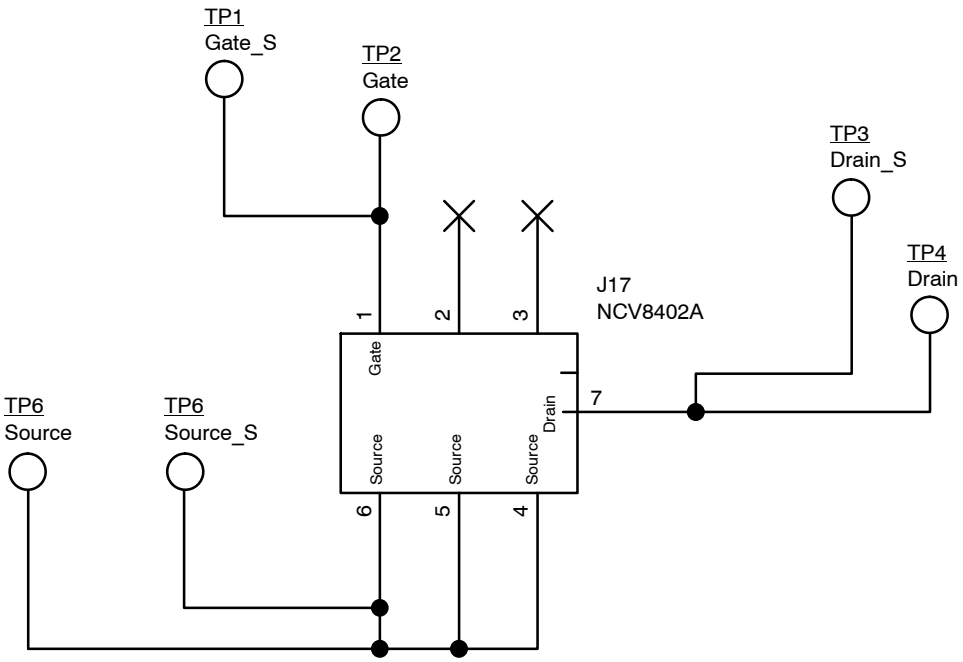

Figure 2. Evaluation Board Schematic

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LAYOUT

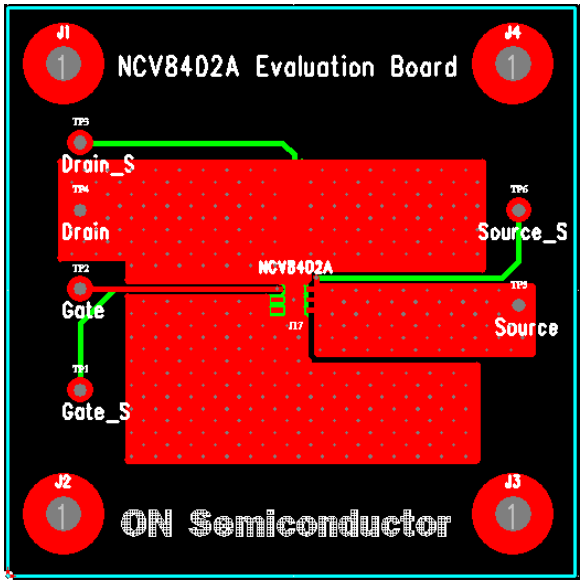

Figure 3. Top

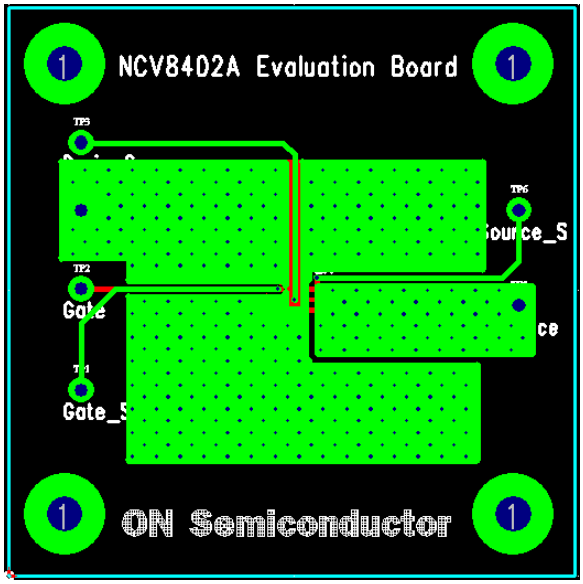

Figure 4. Bottom

Table 1. BILL OF MATERIALS

Item	Quantity	Reference	Package	Part
1	6	TP1, TP2, TP3, TP4, TP5, TP6	TP	Test Point
2	1	J17	DFN6 WF	NCV8402AMNWT1G

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