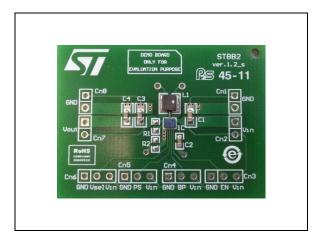


STEVAL-ISA109V2

800 mA, 3 MHz, adjustable output high efficiency dual-mode buck-boost DC-DC converter based on the STBB2

Data brief



Features

Input voltage: from 2.3 V to 5.5 V

Output voltage: 3.3 VOutput current: 800 mAOperating frequency: 3 MHz

RoHS compliant

Description

The STEVAL-ISA109V2 is designed to aid in the evaluation of the STBB2, a high efficiency buckboost DC-DC converter capable of providing regulated output voltages in the range of 1.2 V to 5.5 V with an input voltage between 2.3 V and 5.5 V

The board comes with the adjustable version of the STBB2 pre-mounted, with the output voltage set to 3.3 V. For this version, the V_{SEL} pin must be connected to V_{IN} .

The board can also demonstrate the performance of the fixed version of the STBB2, by replacing R_1 with a 0 Ω resistor and disconnecting R_2 .

Schematic diagram STEVAL-ISA109V2

1 Schematic diagram

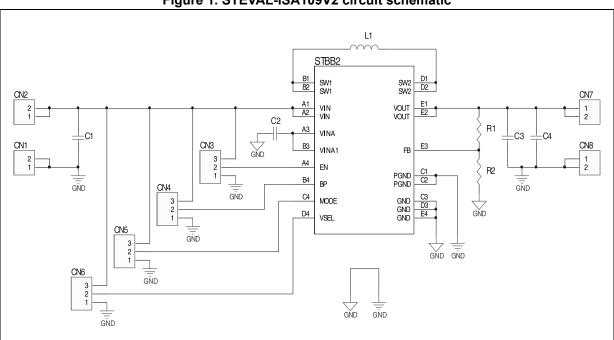


Figure 1. STEVAL-ISA109V2 circuit schematic

STEVAL-ISA109V2 Revision history

2 Revision history

Table 1. Document revision history

Date	Revision	Changes
16-Apr-2013	1	Initial release.

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