Features

- Input voltage: from 2.3 V to 5.5 V
- Output voltage: 3.3 V
- Output current: 800 mA
- Operating frequency: 3 MHz
- RoHS compliant

Description

The STEVAL-ISA109V1 is designed to aid in the evaluation of the STBB2, a high efficiency buck-boost 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 pre-mounted with the adjustable version of the STBB2, with the output voltage set to 3.3 V. For this version, the VSEL pin must be connected to VIN.

The board can also demonstrate the performance of the fixed version of the STBB2, by replacing R₁ with a 0 Ω resistor and disconnecting R₂.
1 Schematic diagram

Figure 1. STEVAL-ISA109V1 circuit schematic
2 Revision history

Table 1. Document revision history

<table>
<thead>
<tr>
<th>Date</th>
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<tbody>
<tr>
<td>15-Oct-2012</td>
<td>1</td>
<td>Initial release.</td>
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Initial release.