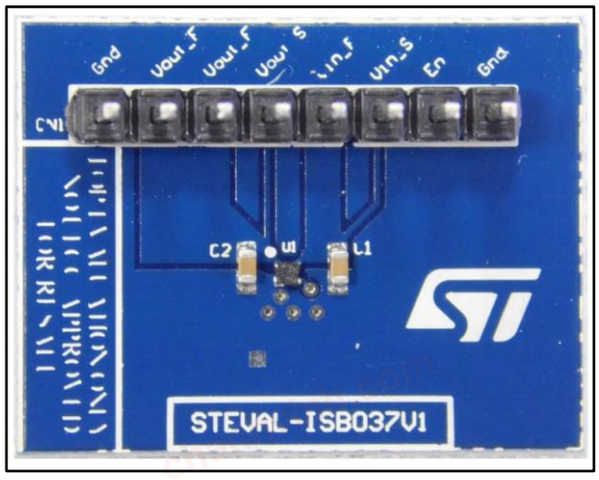
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STEVAL-ISB037V1

Evaluation board for the LD39020 high PSRR, 200 mA LDO

Data brief



Features

- Output current: 200 mA
- Logic controlled electronic shutdown
- High PSRR
  - 80 dB @ 1 kHz
  - 50 db @ 100 kHz
- Quiescent current:
  - 20 µA typ at no load
  - 0.03 µA typ in off mode
- 1.8 V ± 0.5% output voltage
- Other voltage options available on request
- DFN4-1 x 1 package (0.8 x 0.8 available on request)
- RoHS compliant

Description

The STEVAL-ISB037V1 board features the LD39020 high performance linear voltage regulator, configured to convert a DC input voltage from 2.4 V to 5.5 V into a precise and stable 1.8 V output voltage.

Only two small ceramic capacitors are needed to implement the linear regulator solution.

The very low dropout LD39020 voltage regulator features high PSRR and low quiescent current in a tiny DFN4 package with a footprint of only (1 x 1) mm².

It is designed for low-power battery operated equipment such as smartphones, tablets and wearable devices.

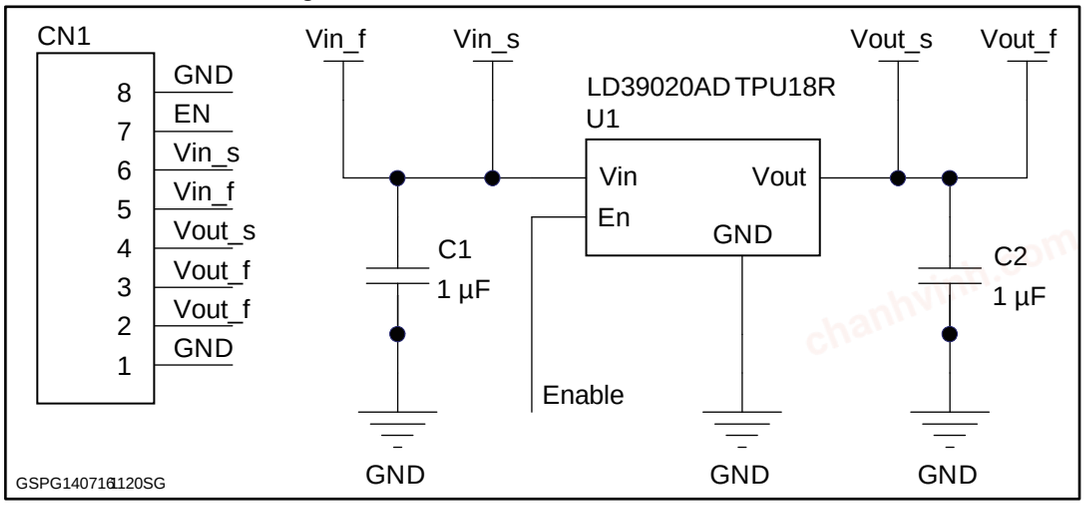
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1 Schematic diagram

Figure 1: STEVAL-ISB037V1 circuit schematic



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2 Revision history

Table 1: Document revision history

Date	Version	Changes
06-Sep-2016	1	Initial release.

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