STEVAL-ISA077V2

High efficiency synchronous rectifier step-up converter demonstration board based on the L6920D

Data brief

Features

- 0.6 V to 5.5 V operating input voltage
- 1 V startup input voltage
- Internal synchronous rectifier
- Zero shutdown current
- 3.3 V and 5 V fixed or adjustable
- Output voltage (2 V up to 5.2 V)
- 120 mΩ internal active switch
- Low battery voltage detection
- Reverse battery protection
- RoHS compliant



STEVAL-ISA077V2

Description

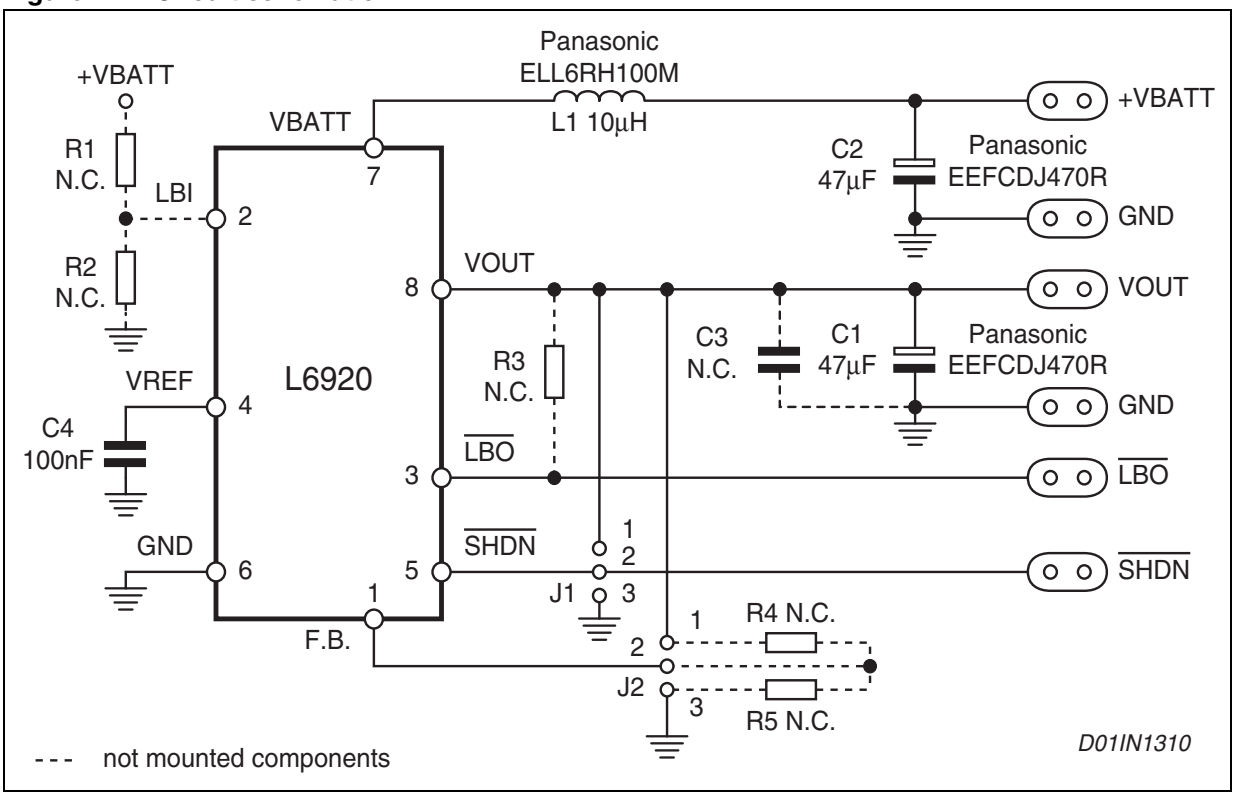
The STEVAL-ISA077V2 demonstration board is based on the L6920D high efficiency step-up converter as well as the external components required for a typical application.

Startup is guaranteed at 1 V and the device operates down to 0.6 V. The output voltage can be adjusted from 2 V to 5.2 V and two fixed output voltages (3.3 V and 5 V) are also available.

For further information contact your local STMicroelectronics sales office. www.st.com

1 Circuit schematic

Figure 1. Circuit schematic



2 Revision history

Table 1. Document revision history

Date	Revision	Changes
17-Nov-2010	1	Initial release.

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