



STEVAL-IFS001V1

3 axis MEMS accelerometer demo

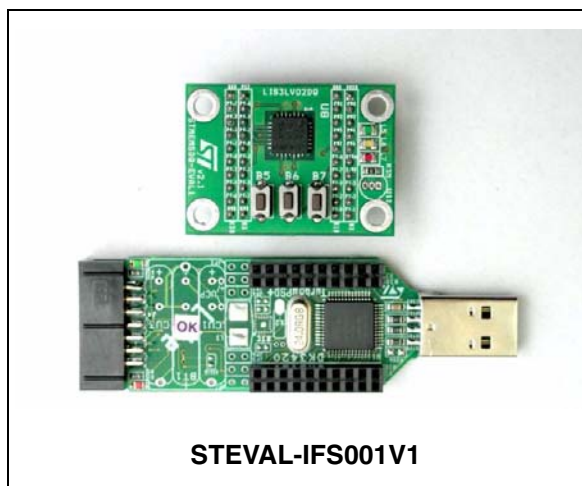
Data Brief

Features

- 3-axis acceleration measurement
- $\pm 2g/\pm 6g$ user selectable full-scale
- Data storage up to 256 Kbytes in the μ PSD
- PC connection via USB
- Graphical user interface

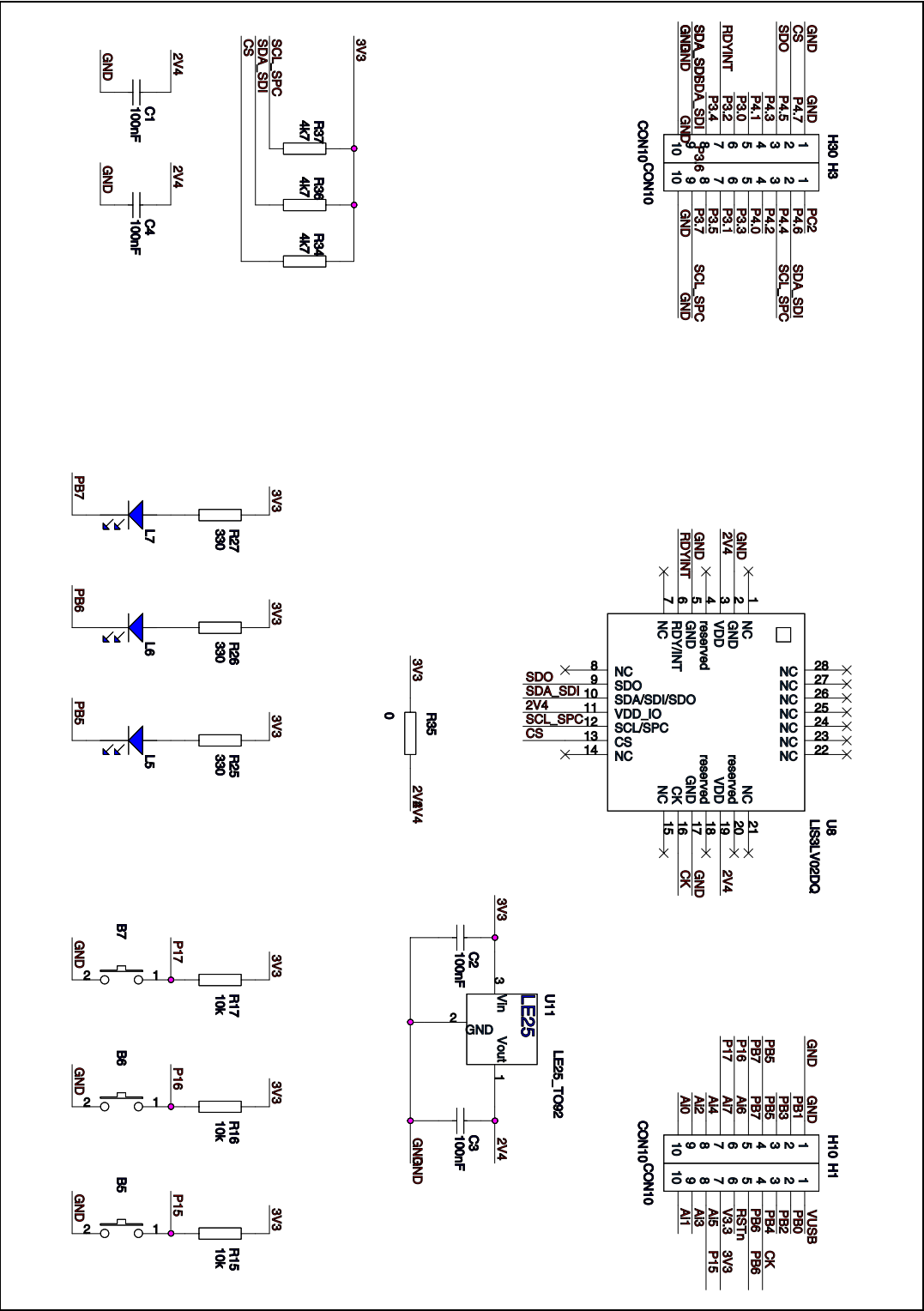
Description

This kit demonstrates the functionality and performance of the 3-axis MEMS device LIS3LV02DQ. The kit is comprised of a MEMS evaluation board based on the 3-axis MEMS and a second board designed with a μ PSD which is able to measure 3-axis 2G/6G acceleration. Communication with the PC is handled via USB. PC software provides for the readout of MEMS data, either online or stored in the μ PSD memory. In addition, the software GUI displays axes values and/or spectrum analysis.



1 Block diagram

Figure 1. Schematic



2 Revision history

Table 1. Document revision history

Date	Revision	Changes
24-Oct-2007	1	Initial release

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