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# STEVAL-IFS001V1

## 3 axis MEMS accelerometer demo

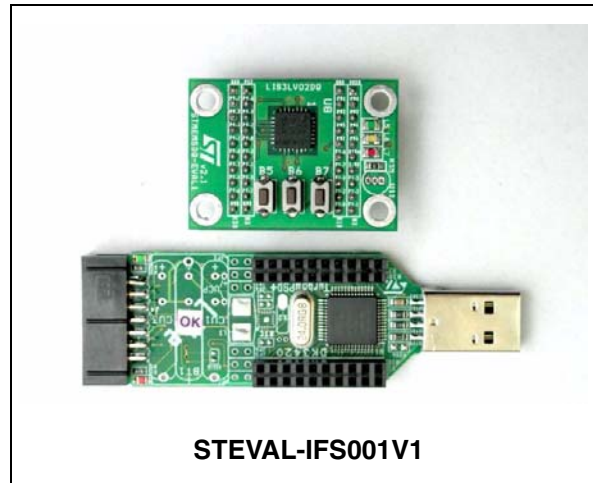
Data Brief

### Features

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

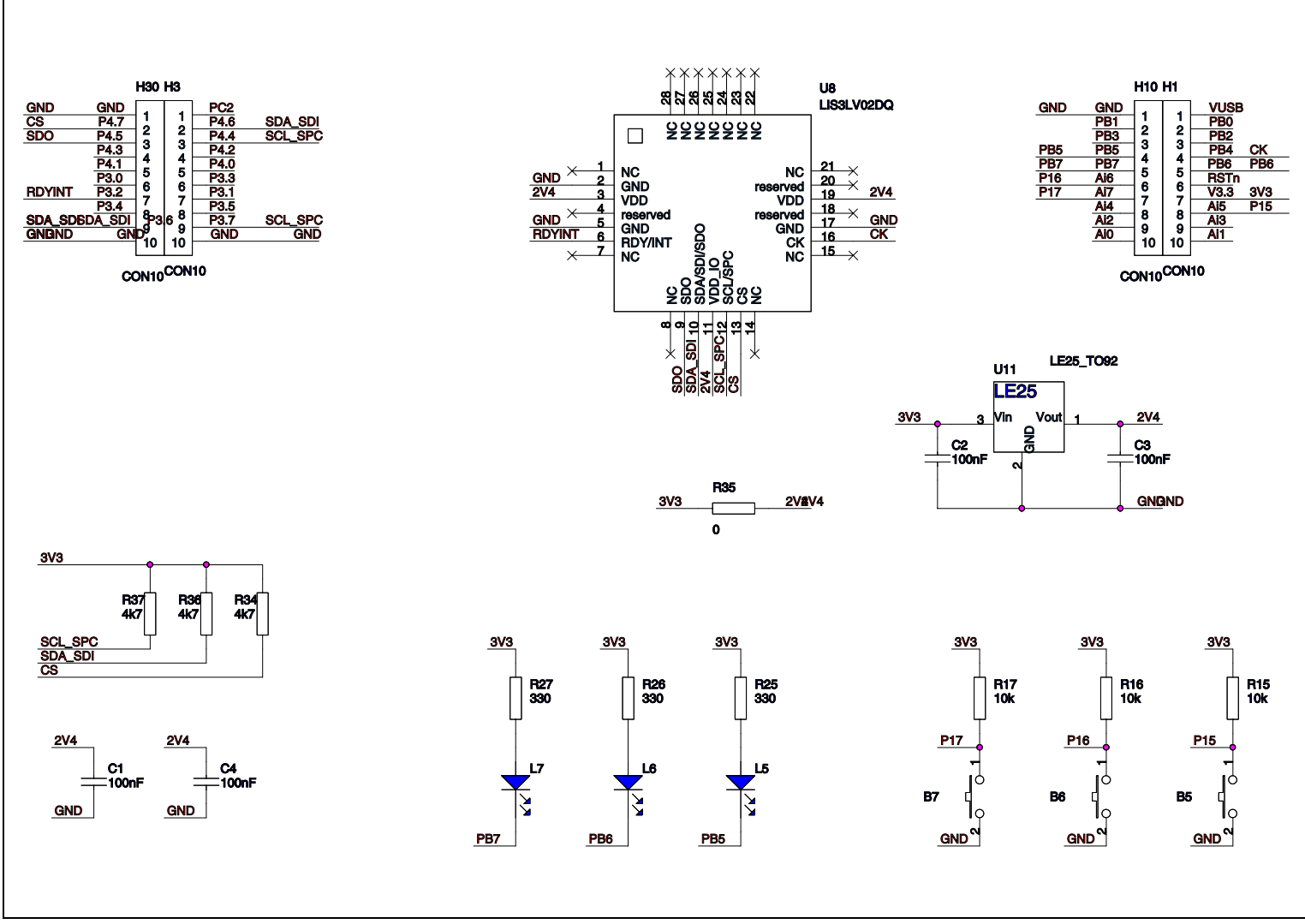
### Description

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  $\mu$ 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  $\mu$ 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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