



STEVAL-IFS001V1

3-axis MEMS accelerometer demonstration kit

Data Brief

Features

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

Description

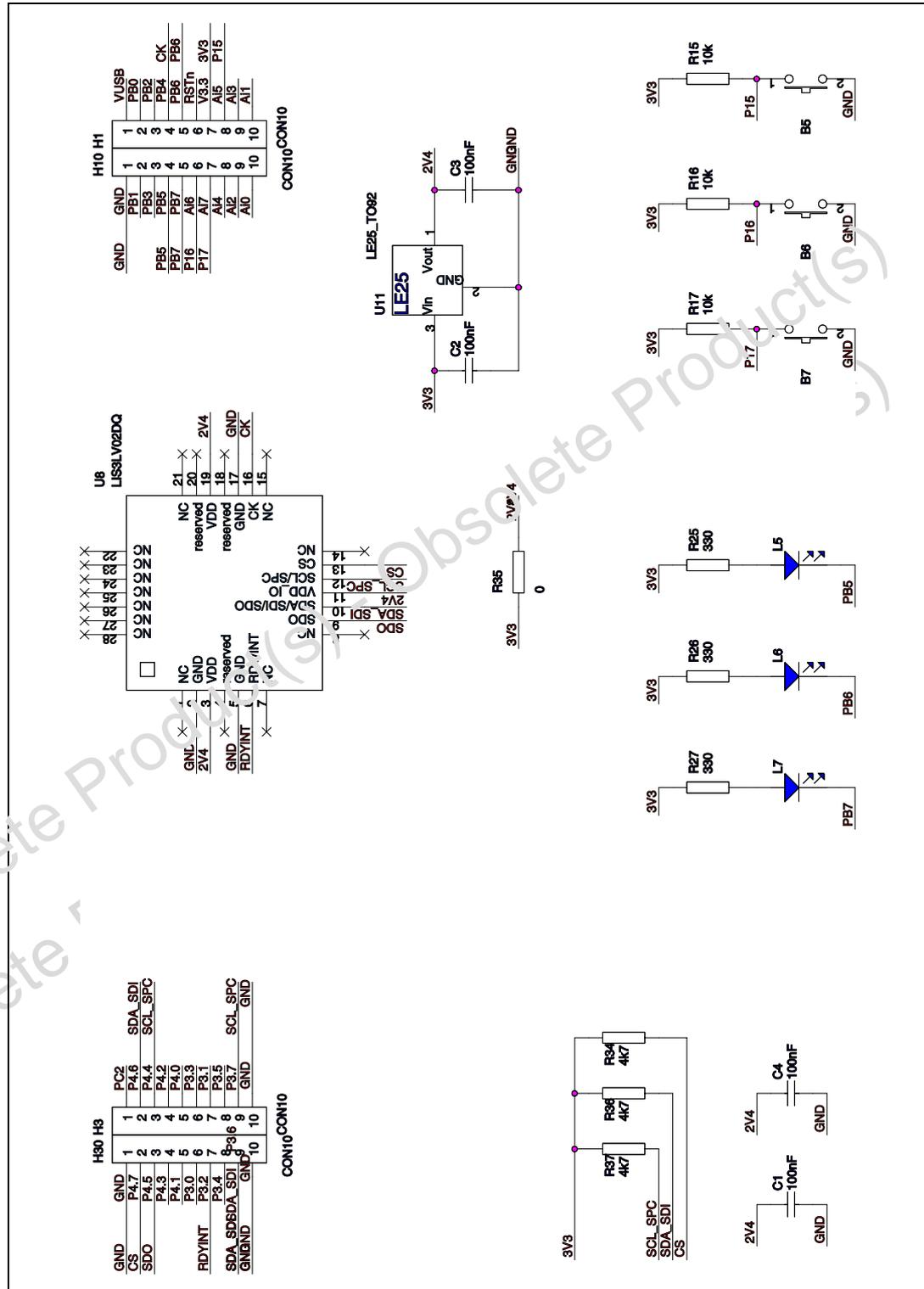
The STEVAL-IFS001V1 demonstration kit is designed to test the functionality and performance of the 3-axis MEMS device LIS3LV02DQ. The kit is comprised of a MEMS demonstration board based on the 3-axis MEMS device, and a second board designed using a μ PSD which is capable of measuring the 3-axis $2 g / 6 g$ acceleration.

Communication with the PC is handled via USB. PC software provides for the readout of the MEMS data, either online or stored in the μ PSD memory. In addition, the software GUI displays the axes values and/or spectrum analysis.



1 Schematic diagrams

Figure 1. Circuit schematics of the STEVAL-IFS001V1 kit



2 Revision history

Table 1. Document revision history

| Date | Revision | Changes |
|-------------|----------|---|
| 24-Oct-2007 | 1 | Initial release |
| 18-Sep-2008 | 2 | Content reworked to improve readability, no technical changes |

Obsolete Product(s) - Obsolete Product(s)
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