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STEVAL-MKI004V1

MEMS 3-axis - $\pm 2g/\pm 6g$ digital output low voltage linear
accelerometer evaluation board based on LIS3LV02DQ

Data Brief

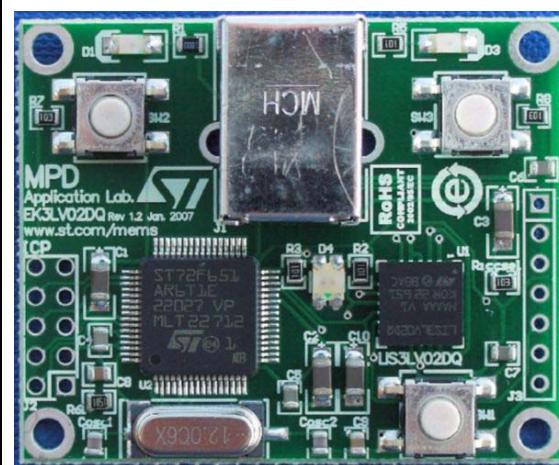
Features

- Graphical user interface
- USB connector
- Control switches
- MEMS sensor
- LED indicators
- ST7-USB microcontroller

Description

The STEVAL-MKI004V1 is an evaluation kit designed to provide the user with a complete, ready-to-use platform for evaluation of the LIS3LV02DQ, a low power 3-axis linear accelerometer with digital output. The device includes a sensing element and an IC interface capable of translating information from the sensing element into a measured signal that can be used for external applications.

In addition to the MEMS sensor, the evaluation board utilizes an ST7-USB microcontroller which functions as a bridge between the sensor and the PC, on which it is possible to use the graphical user interface (GUI) included with the kit or dedicated software routines for customized applications.



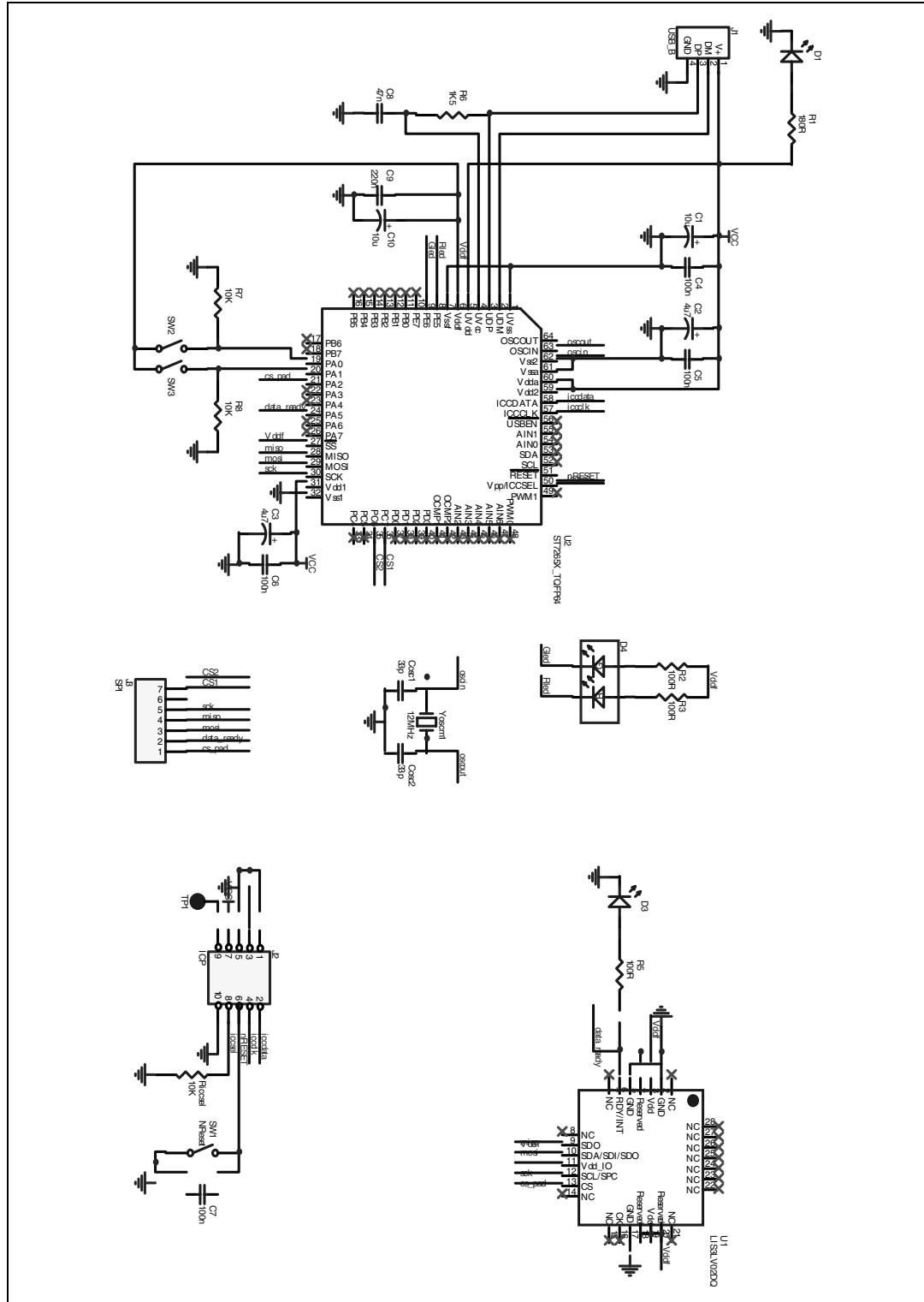
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Board schematic

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1 Board schematic

Figure 1. Scheme



STEVAL-MKI004V1**Revision history****2 Revision history****Table 1. Document revision history**

Date	Revision	Changes
16-Oct-2007	1	Initial release

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