



STEVAL-MKI005V1

MEMS 3-axis $\pm 2g/\pm 6g$ digital output low voltage linear accelerometer evaluation board based on the LIS3LV02DL

Data Brief

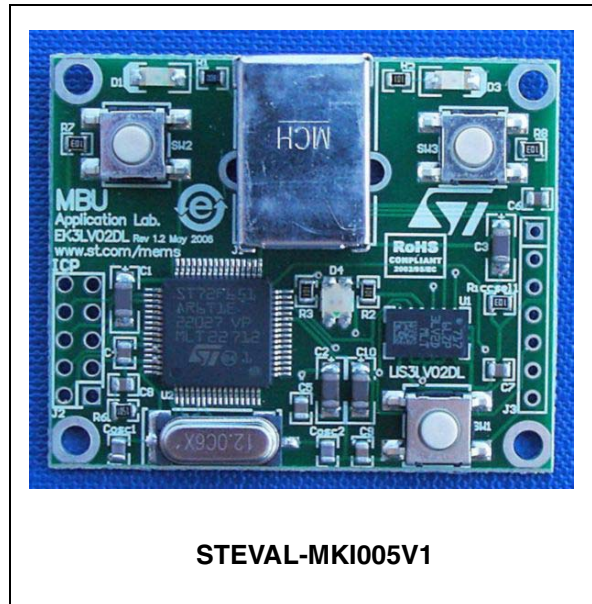
Features

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

Description

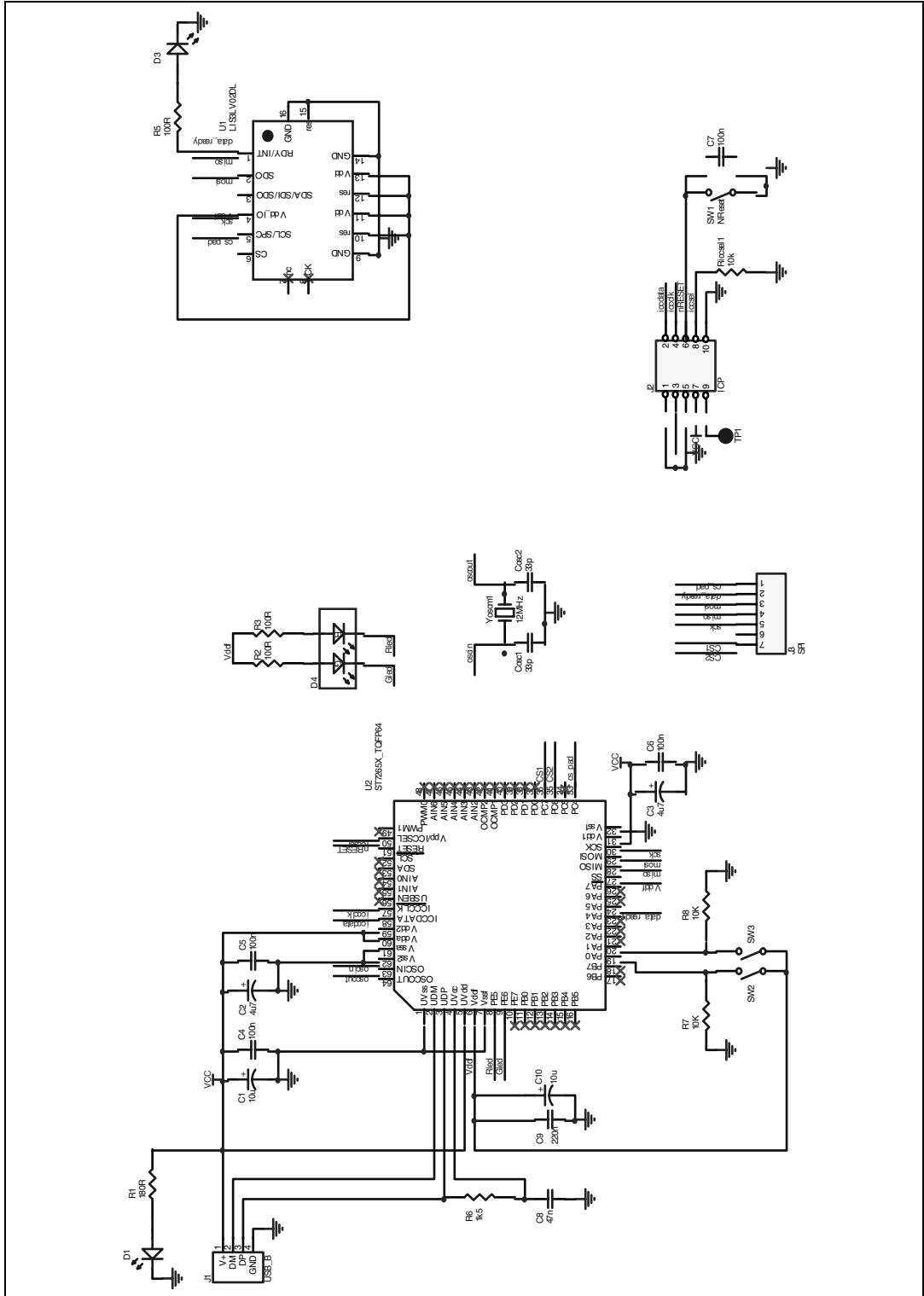
The STEVAL-MKI005V1 is an evaluation kit designed to provide the user with a complete, ready-to-use platform for evaluation of the LIS3LV02DL, a low power 3-axis linear accelerometer with digital output. The device includes a sensing element and an IC interface capable of translating information from 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.



1 Circuit schematic

Figure 1. Circuit schematic



2 Revision history

Table 1. Document revision history

Date	Revision	Changes
17-Jan-2008	1	Initial release

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