



THE DATASHEET OF STEVAL-IFS002V1



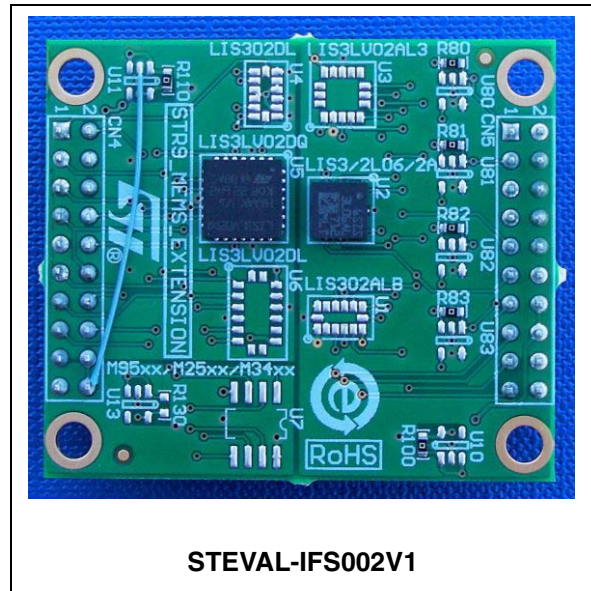
MEMS extension module based on the STR9 dongle

Data Brief

Features

Capable of testing the following devices:

- Analog MEMS:
 - LGA8 (LIS2L02AL, LIS2L06AL, LIS3L02AL, LIS3L06AL)
 - LGA14 (LIS302ALB)
 - LGA16 (LIS3L02AL3)
- Digital MEMS:
 - LGA14 (LIS302DL)
 - LGA16 (LIS3LV02DL)
 - QFN28 (LIS3L02DQ, LIS3LV02DQ)
- Optional devices:
 - Serial Flash/EEPROM memory
 - SO-8 (M95xx, M25xx, M34xx)
- Voltage regulator
 - SOT23-5L (LD2980CMxx)
- Operational amplifier
 - SOT23-5L (TS5071LT)



Description

This evaluation board is a MEMS extension module for the STEVAL-IFD001V1 evaluation board (STSR9 dongle), which together make up an STR9 dongle-based application with a MEMS sensor.

MEMS (micro-electro-mechanical system) exploit the mechanical properties of silicon to create movable structures that, in the case of MEMS-based motion sensors, are able to sense motion (acceleration or vibration) in specific directions.

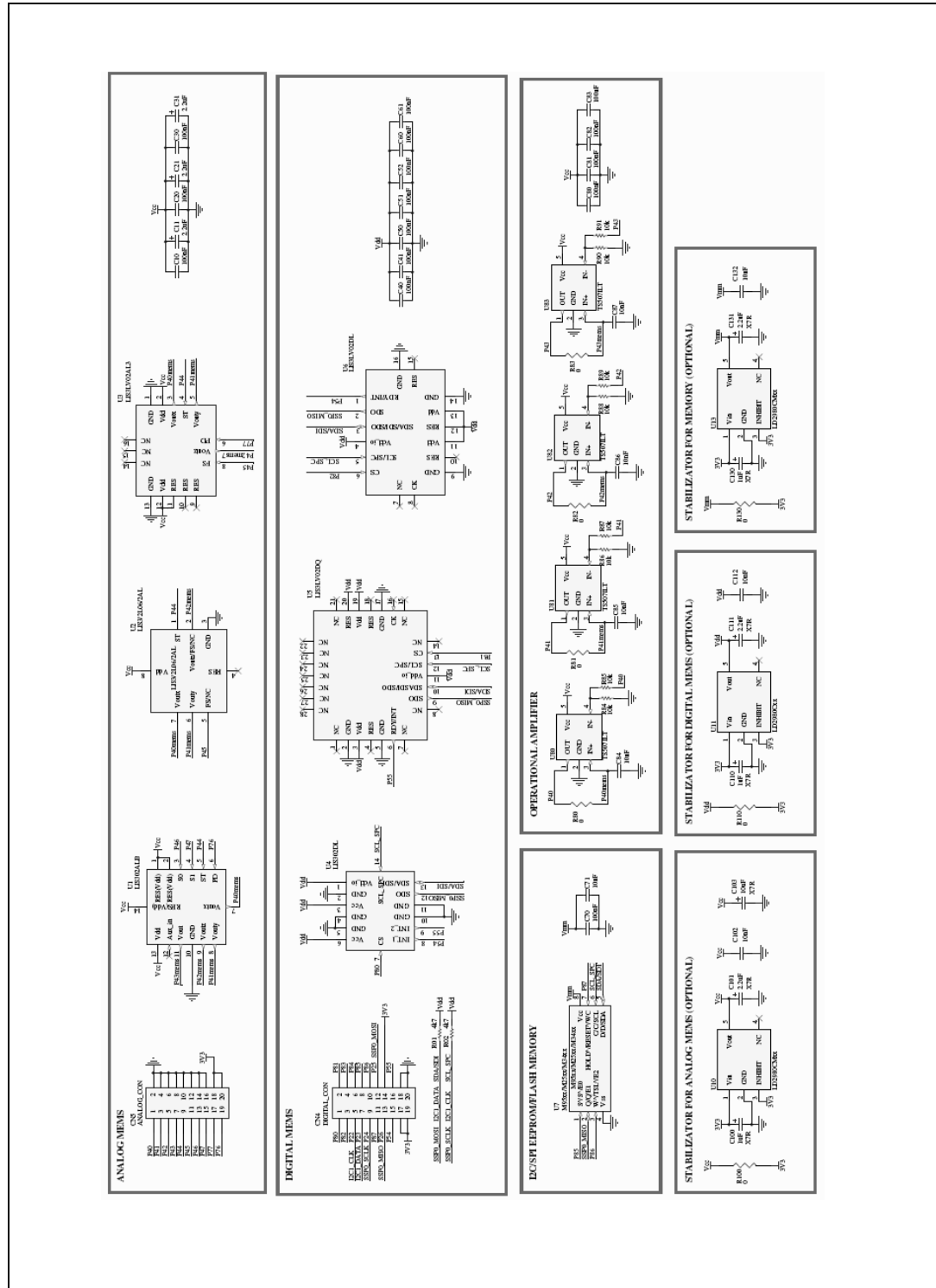
The extension board can be assembled with several types of digital or analog MEMS sensors.

For data storage, there is assembly space available on the board for ST serial Flash.

The integration of voltage regulators and operational amplifiers is optional and depends on the intended use of the chip.

1 Circuit schematic

Figure 1. Schematic



2 Revision history

Table 1. Document revision history

Date	Revision	Changes
27-Feb-2008	1	Initial release.

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