



STEVAL-MKI019V1

Demonstration kit for the LIS302SG

Data brief

Features

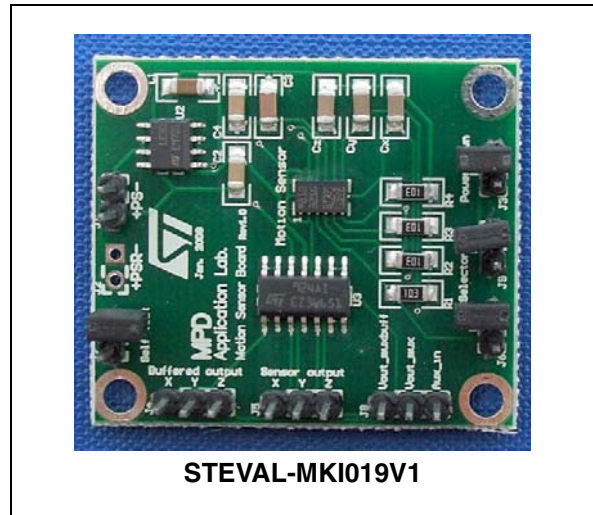
- Normal mode or power-down mode
- Multiplexed output
- Self-test signals through the use of a jumper
- RoHS compliant

Description

The STEVAL-MKI019V1 demonstration board is designed to provide the user with a complete, ready-to-use platform for the evaluation of the LIS302SG. The LIS302SG is a low-power 3-axis linear capacitive accelerometer that includes a sensing element and an IC interface capable of taking information from the sensing element and providing an analog signal to an external application.

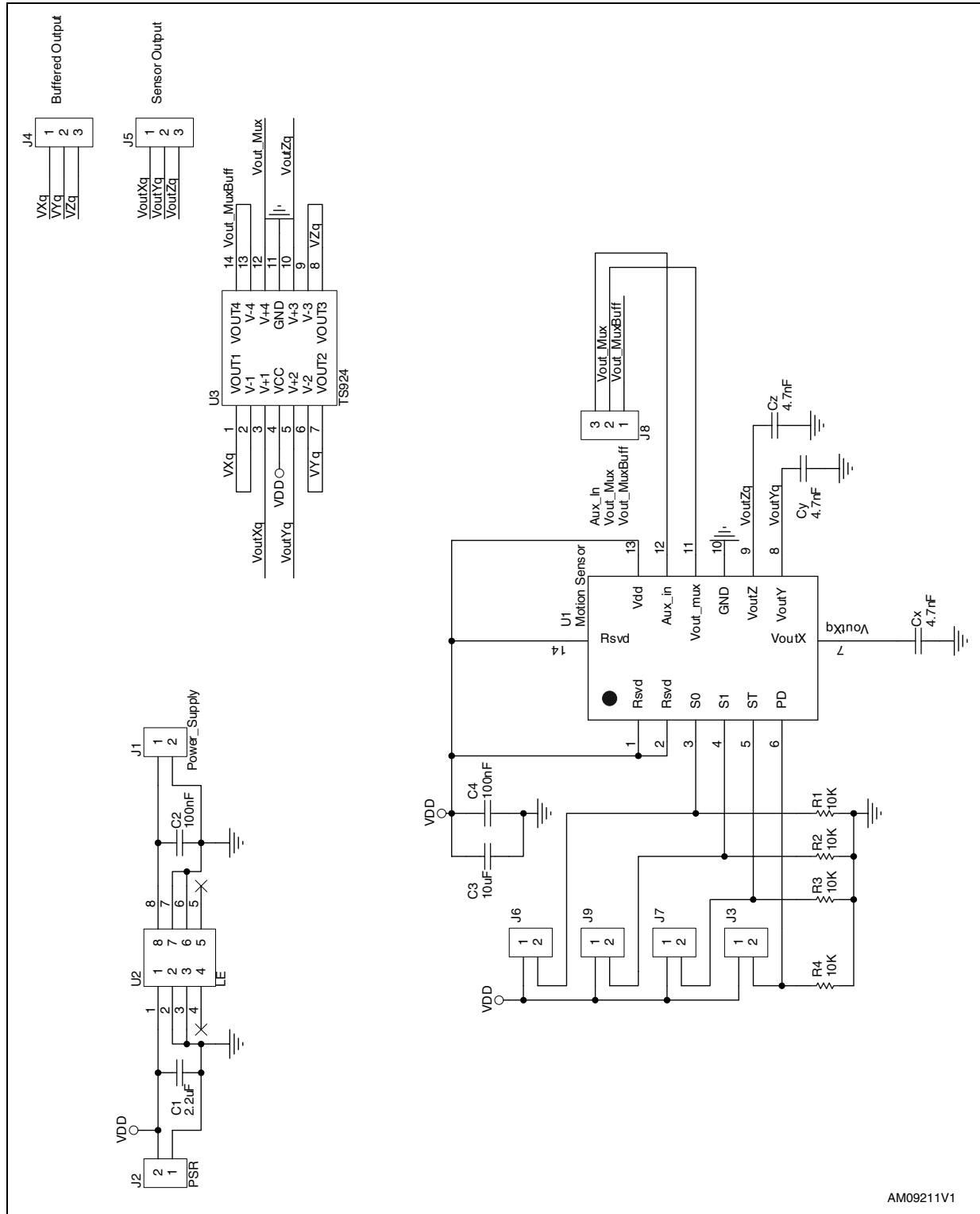
In addition to the MEMS sensor, the system includes a linear voltage regulator and a rail-to-rail low noise quad amplifier configured as a non-inverting buffer, making both direct sensor outputs and buffered sensor outputs available to the user.

The STEVAL-MKI019V1 also provides an easy way to control the power-down and self-test pins.



1 Circuit schematic

Figure 1. Schematic diagram



2 Revision history

Table 1. Document revision history

Date	Revision	Changes
01-Dec-2010	1	Initial release.

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