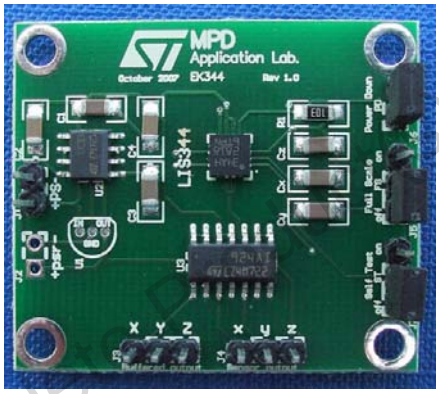
STEVAL-MKI014V1

MEMS 3-axis ±2g/±6g analog-output demonstration board based on the LIS344ALH

Data brief

Features

- Normal or power-down mode
- 2g or 6g full-scale
- Self-test signals through the use of a jumper
- RoHS compliant



STEVAL-MKI014V1

Description

The STEVAL-MKI014V1 demonstration board is designed to provide the user with a complete, ready-to-use platform for evaluation of the LIS344ALH. The LIS344ALH 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.

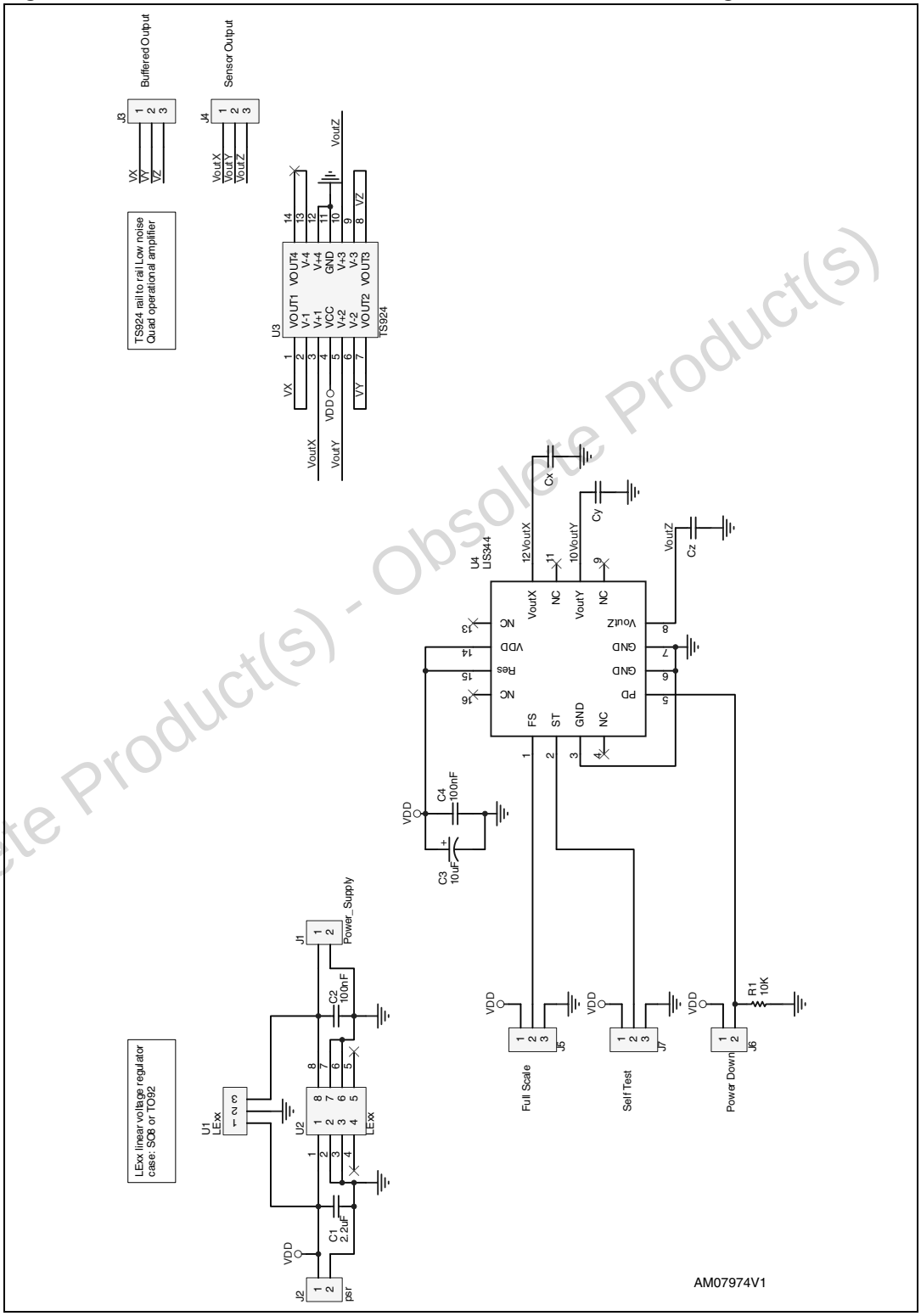
The kit also provides an easy way to select from the two full scales allowed by the device, and to control its power-down, full-scale, and self-test pins.

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1 Circuit schematic

Figure 1. STEVAL-MKI014V1 demonstration board schematic diagram



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2 Revision history

Table 1. Document revision history

Date	Revision	Changes
08-Oct-2010	1	Initial release.

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