

STEVAL-MKI014V1

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

Data brief

Features

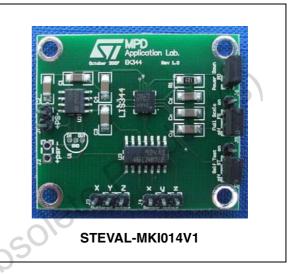
- Normal or power-down mode
- 2g or 6g full-scale
- Self-test signals through the use of a jumper
- RoHS compliant

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 noninverting 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.

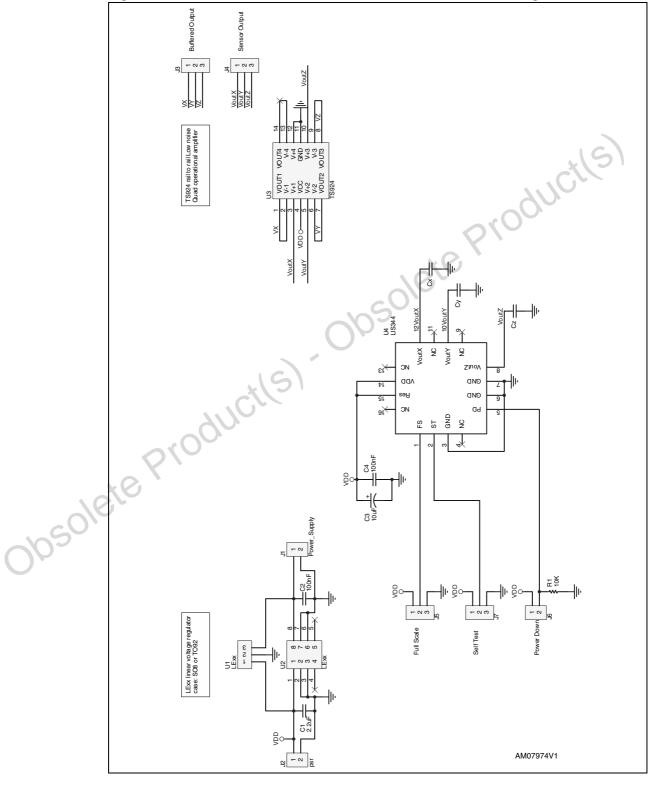


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For further information contact your local STMicroelectronics sales office.

1 Circuit schematic





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2 Revision history

Table 1.Document revision history

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



obsolete Product(s)- Obsolete Product(s)

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