



STEVAL-MKI012V1

MEMS analog output evaluation board based on LIS3L06AL

Data Brief

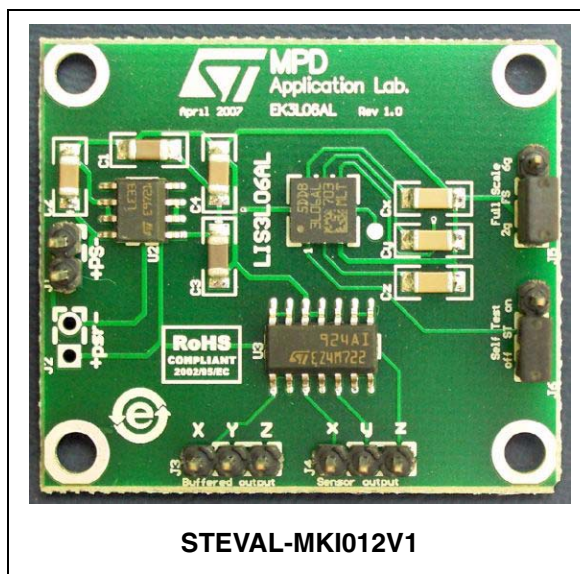
Features

- ~2 mW power consumption
- ± 2 g full-scale
- 3 acceleration channels plus multiplexed analog output
- Ratiometric output voltage
- Power down mode
- Embedded self-test
- 10000 g high shock survivability
- ECOPACK™ RoHS and “Green” compliant

Description

The STEVAL-MKI012V1 is an evaluation kit designed to provide the user with a platform for evaluating the LIS3L02AL or the LIS3L06AL MEMS accelerometers in the LGA package with analog output. It implements a typical application composed the accelerometer and the TS924 rail-to-rail precision buffer. The supply voltage is generated by an LE33 voltage regulator, which ensures the correct power required by the LIS3L02AL device.

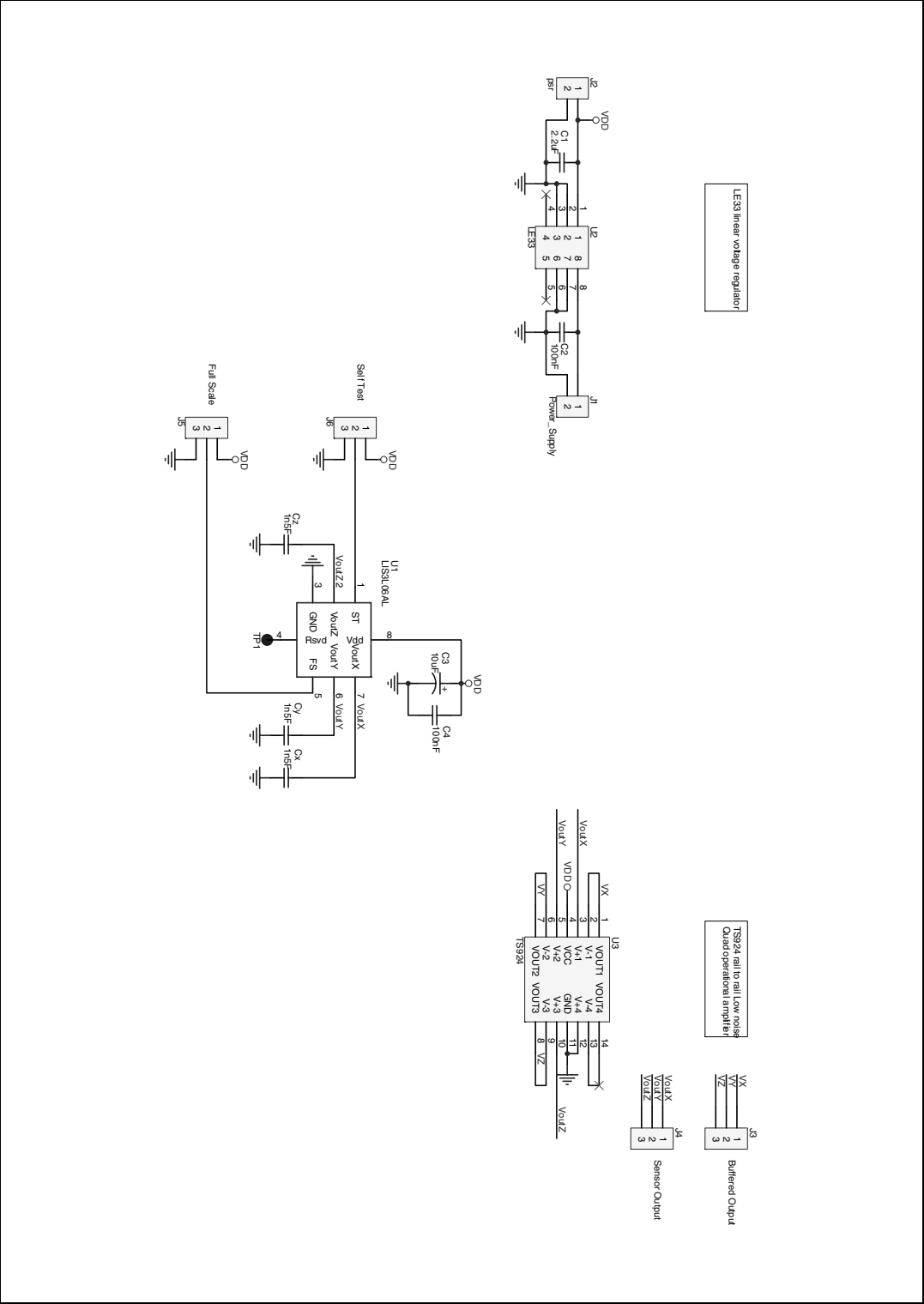
All parts on the STEVAL-MKI012V1 evaluation kit board are STMicroelectronics components.



STEVAL-MKI012V1

1 Board schematic

Figure 1. Scheme



2 Revision history

Table 1. Document revision history

Date	Revision	Changes
16-Oct-2007	1	Initial release

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