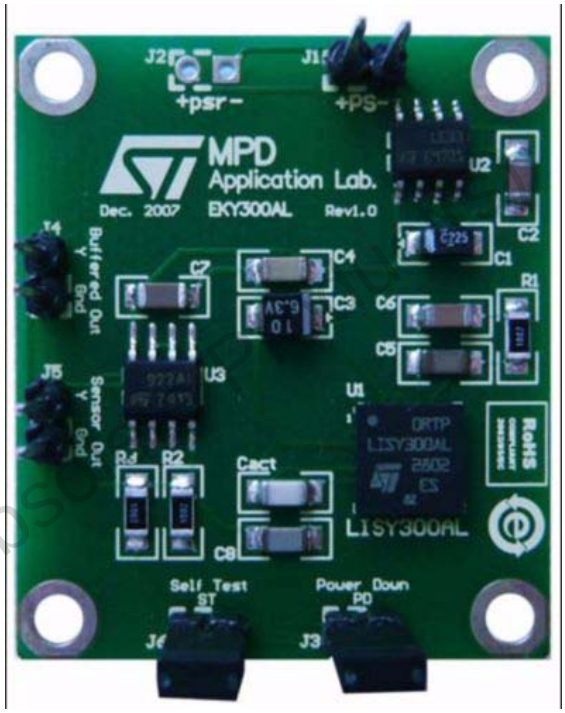
STEVAL-MKI023V1

Single-axis ± 300°/s analog output yaw rate gyroscope demonstration board based on the LISY300AL

Data Brief

Features

- Operating input DC voltage between 3.7 V and 18 V
- Low power consumption
- Embedded power-down
- ± 300°/s full scale
- Absolute analog rate output
- Integrated low-pass filters
- Embedded self-test



STEVAL-MKI023V1

Description

The STEVAL-MKI023V1 is a demonstration board designed to provide the user with a complete, ready-to-use platform for the evaluation of the LISY300AL.

The LISY300AL is a low-power single-axis yaw rate sensor. It includes a sensing element and an IC interface able to provide the measured angular rate to the external world through an analog output voltage.

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.

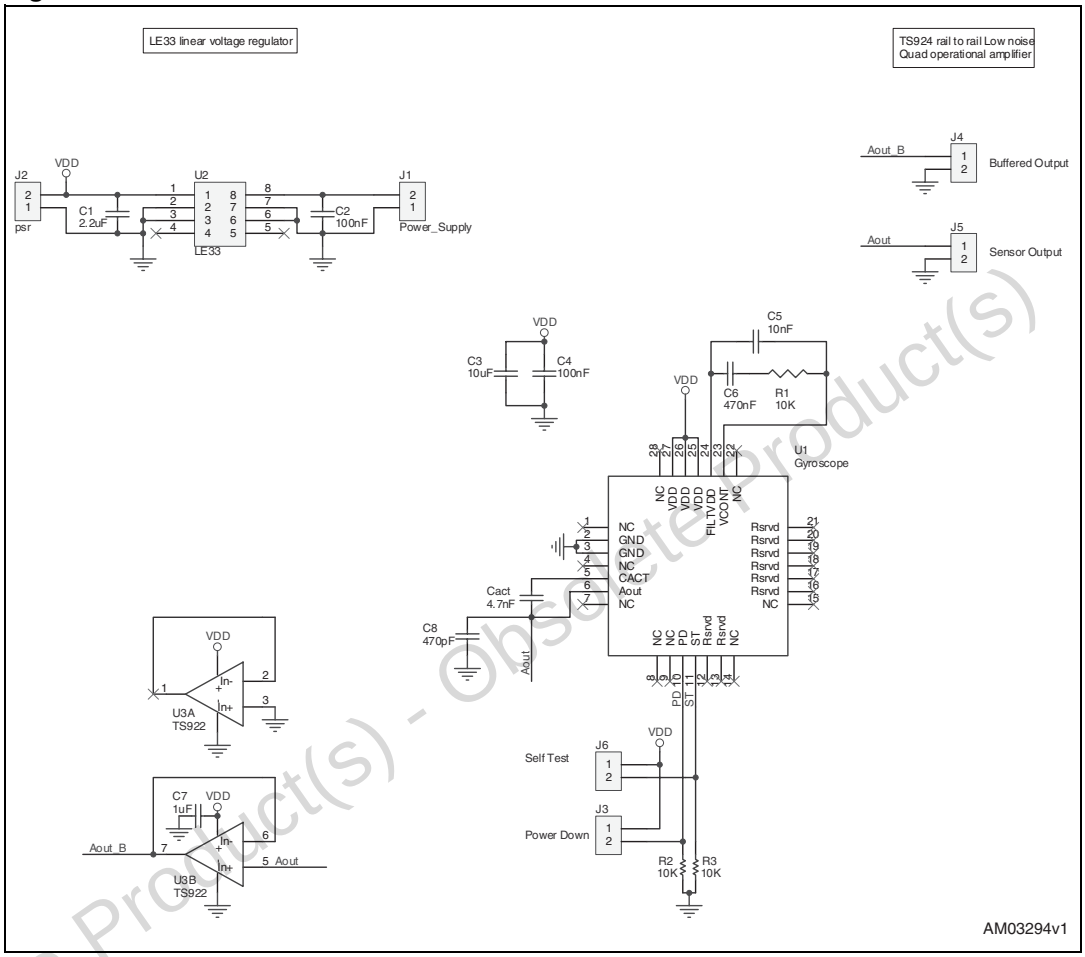
This demonstration board also provides an easy way to control the self-test and power-down pins.

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1 Circuit schematic

Figure 1. Circuit schematic



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2 Revision history

Table 1. Document revision history

Date	Revision	Changes
20-Jan-2009	1	Initial release

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