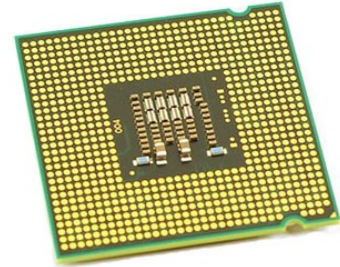


Wide Bandwidth Yaw Rate Gyroscope with SPI

Manufacturers	Analog Devices, Inc
Package/Case	LGA-16
Product Type	Motion & Position Sensors
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADIS16060BCCZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The SPI port provides access to the rate sensor, an internal temperature sensor, and two external analog signals (using internal ADC). The digital data available at the SPI port is proportional to the angular rate about the axis that is normal to the top surface of the package.

An additional output pin provides a precision voltage reference. A digital self-test function electromechanically excites the sensor to test the operation of the sensor and the signal-conditioning circuits.

The ADIS16060 is available in an 8.2 mm × 8.2 mm × 5.2 mm, 16-terminal, peripheral land grid array (LGA) package.

Applications:

Platform stabilization

Image stabilization

Guidance and control

Inertial measurement units

Robotics

Features

Complete angular rate digital gyroscope 14-bit resolution

Scalable measurement range Initial range: $\pm 80^\circ/\text{sec}$ (typical) Increase range with external resistor

Z-axis (yaw rate) response

SPI digital output interface

High vibration rejection over wide frequency

5 V single-supply operation

8.2 mm \times 8.2 mm \times 5.2 mm package

2000 g-powered shock survivability

1 kHz bandwidth Selectable using external capacitor

Externally controlled self-test

Internal temperature sensor output

Dual auxiliary 14-bit ADC inputs

Absolute rate output for precision applications

RoHS compliant

Application

Platform stabilization

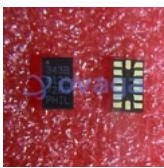
Image stabilization

Guidance and control

Inertial measurement units

Robotics

Related Products



[ADXL343BCCZ](#)

Analog Devices, Inc
LGA-14



[ADXL103CE](#)

Analog Devices, Inc
CLCC-8



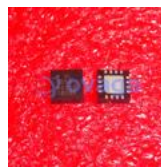
[ADXRS642BBGZ](#)

Analog Devices, Inc
CBGA-32



[ADXL346ACCZ-RL7](#)

Analog Devices, Inc
LGA16



[ADXL335BCPZ-RL7](#)

Analog Devices, Inc
LFCSP16



[ADIS16488BMLZ](#)

Analog Devices, Inc
MSM24



[ADXL357BEZ](#)

Analog Devices, Inc
LCC-14



[ADXL345BCCZ-RL7](#)

Analog Devices, Inc
LGA-14