# Dual Axis Gyro - LPR503AL - 30 deg/s

COM-09446 ROHS

DESCRIPTION FEATURES DOCUMENTS

This is a low-power dual axis (pitch and roll) MEMS gyro with a ±30°/s maximum range. Options include integrated low pass filters and embedded power down and self-test features. Both x and y outputs are analog, and a 4x amplified output signal is also available for both axes. Comes in an LGA-16 package.

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## Dual Axis Gyro - LPR503AL - 30 deg/s Product Help and Resources

SKILLS NEEDED

### Core Skill: **Soldering**

This skill defines how difficult the soldering is on a particular product. It might be a couple simple solder joints, or require special reflow tools.

**Skill Level: Competent** - You will encounter surface mount components and basic SMD soldering techniques are required.
See all skill levels

### Core Skill: **Programming**

If a board needs code or communicates somehow, you're going to need to know how to program or interface with it. The programming skill is all about communication and code.

**Skill Level: Competent** - The toolchain for programming is a bit more complex and will examples may not be explicitly provided for you. You will be required to have a fundamental knowledge of programming and be required to provide your own code. You may need to modify existing libraries or code to work with your specific hardware. Sensor and hardware interfaces will be SPI or I2C.
See all skill levels

### Core Skill: **Electrical Prototyping**

If it requires power, you need to know how much, what all the pins do, and how to hook it up. You may need to reference datasheets, schematics, and know the ins and outs of electronics.

**Skill Level: Competent** - You will be required to reference a datasheet or schematic to know how to use a component. Your knowledge of a datasheet will only require basic features like power requirements, pinouts, or communications type. Also, you may need a power supply that?s greater than 12V or more than 1A worth of current.
See all skill levels

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In 2003, CU student Nate Seidle blew a power supply in his dorm room and, in lieu of a way to order easy replacements, decided to start his own company. Since then, SparkFun has been committed to sustainably helping our world achieve electronics literacy from our headquarters in Boulder, Colorado.

No matter your vision, SparkFun's products and resources are designed to make the world of electronics more accessible. In addition to over 2,000 open source components and widgets, SparkFun offers curriculum, training and online tutorials designed to help demystify the wonderful world of embedded electronics. We're here to help you start something.

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