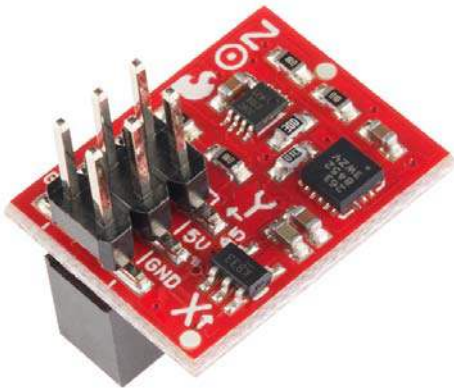




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## SparkFun RedBot Sensor - Accelerometer

SEN-12589 ROHS ✓ ✱



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**Description:** The Accelerometer sensor is an add-on for your RedBot that provides bump and motion detection. The sensor works by measuring acceleration forces on the x, y, and z axis. By measuring the amount of acceleration (or lack there of) your robot can get a better understanding of its movements.

The sensor has two 2x3 headers (one male and one female) which connect directly to the RedBot Mainboard giving you the ability to stack another I<sup>2</sup>C sensor. Just use the included RedBot library to detect bumps and motion.

Check out the entire RedBot family of products!



**Dimensions:** 0.45 x 0.69 " (11.53 x 17.72 mm)

**Features:**

- 5VDC Operating Voltage
- Triple Axis
- $\pm 2g/\pm 4g/\pm 8g$  Selectable Full Scale
- 12 bits of resolution
- Orientation (Portrait/Landscape) Detection