Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!
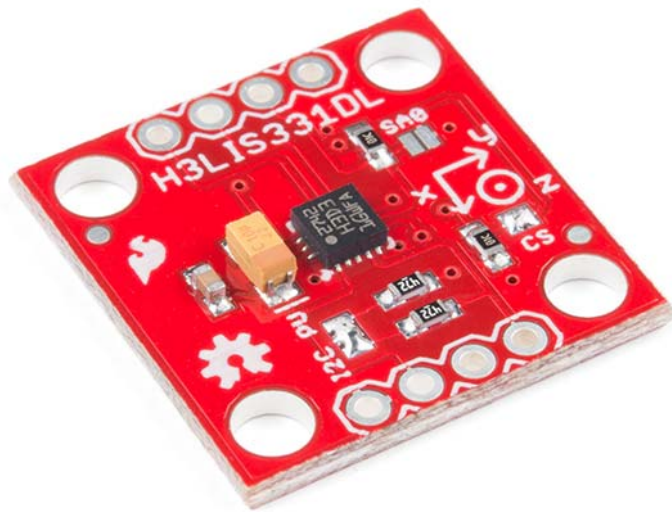
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SparkFun Triple Axis Accelerometer Breakout - H3LIS331DL

SEN-14480 RoHS Open Source Hardware

The SparkFun H3LIS331DL Triple Axis Accelerometer Breakout is a low-power, high-g accelerometer with I²C and SPI interface options. Though not necessarily good at detecting minute changes, the H3LIS331DL is great for grueling conditions that normal accelerometers aren't suited for. With a shock survivability of 10000g and a handy sleep-to-wake function, the H3LIS331DL breakout makes the perfect board for shock and collision detection as well as impact recognition and logging.

This breakout offers an adjustable output range of 100, 200 or 400g, and an adjustable data rate of 0.5kHz to 1kHz. While normally operating at 2.16V–3.6V, the SparkFun H3LIS331DL Triple Axis Accelerometer Breakout does feature a pretty impressive low-power mode with low-voltage compatible IOs at 1.8V with a power consumption rate of 10µA. Each pin has been broken out into breadboard-friendly 0.1" pins, and we've also added convenient mounting holes that allow you to attach the breakout to whatever ingenious project you can think up.

Features

- Wide supply voltage, 2.16V to 3.6V
- Low-voltage compatible IOs, 1.8V
- Ultra-low power consumption down to 10µA in low-power mode
- ±100g/±200g/±400g dynamically selectable full scales
- I²C & SPI digital output interface
- 16-bit data output
- Sleep-to-wake function
- 10000g high-shock survivability

https://www.sparkfun.com/products/14480 12-28-17