



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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ROHM Semiconductor's Multi-Sensor Shield

Second generation ROHM sensor evaluation kit

The SENSORSHLD1-EVK-101 is a shield evaluation platform that integrates multiple ROHM sensor products on a single board. The shield uses standard Arduino shield interface pins, making it possible to connect to any evaluation kit with a shield interface header. The following sensors are included.

New Generation Sensor Shield



Core sensors included in the Sensor Shield

Analog Temperature Sensor (BDE0600G) ROHM

- Features a wide temperature range with excellent linearity

Digital Barometric Pressure Sensor (BM1383GLV) ROHM

- Delivers superior accuracy and temperature characteristics

Hall Switch Sensor (Omnipolar with Polarity Discrimination) (BU52014HFV) ROHM

- Enables waterproof/dustproof panel open/close detection

Geomagnetic Sensor (BM1422GMV) ROHM

- High accuracy design ideal for precision eCompass applications

Digital Color Sensors (BH1745) ROHM

- Capable of high accuracy detection under a variety of light sources

Optical Proximity Sensors and Ambient Light Sensors (RPR-0521) ROHM

- Low power consumption; improves screen visibility

Additional Functions

Digital Microphone

(Knowles SPM0423HD4H-WB)

- Footprint and connection specifically operable with the NXP MCU Lineup (LPCEXpresso)
- Miniature, high performance, low power, top port silicon digital microphone with a single bit PDM output

Accelerometers

(Kionix KX122-1037, KX122-1048)

- Allows for four corner Accelerometer algorithm development
- Applications include individual sensor tap detection or smart card password interfacing
- All 4 Accelerometers are controllable using a single I²C bus connection

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Analog UV Sensor (ML8511) [LAPIS](#)

- Optimized for UV monitoring

Digital Accelerometer (KX122-1037/KX122-1048) [Kionix](#)

- Provides high performance in an ultra-compact form factor

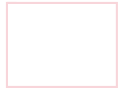
Digital Magnetometer and Accelerometer (KMX62) [Kionix](#)

- Ultra-low-power 6-axis sensor with user-selectable ODR

Digital Gyroscope and Accelerometer (KXG03) [Kionix](#)

- Compact combo sensor strikes an ideal balance between current consumption and noise performance with excellent bias stability over temperature

- Provides high performance in an ultra-compact form factor that allows for four corner Accelerometer algorithm development



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