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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.

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## SparkFun Humidity Sensor Breakout - HIH-4030

SEN-09569 ROHS ✓

★★★★☆ 1



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**Description:** This is a breakout board for Honeywell's HIH-4030 humidity sensor. The HIH-4030 measures relative humidity (%RH) and delivers it as an analog output voltage. You can connect the output of the sensor directly to an ADC on a microcontroller; and, thanks to the sensor's near linear voltage output, the data is very easy to process.

Voltage applied to the supply pins should be within 4-5.8VDC, and optimally at 5V. The sensor will typically only consume about 200 $\mu$ A.

This product comes as shown in the picture, with the HIH-4030 soldered onto the breakout board. The pins of the 3-pin header are spaced by 0.1".

### Features:

- Near linear, analog output
- 4-5.8VDC voltage supply
- All pins broken out to a 0.1" pitch header
- Laser trimmed interchangeability
- Low power design, typical current draw of only 200 $\mu$ A
- Enhanced accuracy
- Fast response time
- Stable, low drift performance

**Dimensions:** 0.75 x 0.30 " (19.05 x 7.62 mm)