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## New Product Announcement

# Get Sensitive with Honeywell's Nanopower Magneto-resistive Sensor ICs Available from Mouser Electronics

May 19, 2014 – [Mouser Electronics](http://www.mouser.com), Inc. is now shipping the new [Magneto-resistive Sensor ICs](#) from [Honeywell](#). These miniature sensors are capable of detecting weak magnetic fields regardless of polarity. These sensor ICs are part of Honeywell's Nanopower Series and consume very little power.

The new [Honeywell Nanopower Series of Magneto-resistive Sensor ICs](#), available from Mouser Electronics, are sensitive enough to detect magnetic fields as weak as 7 Gauss while drawing only 360 nA with a 1.8V supply voltage. This makes these sensor ICs the highest sensitivity and lowest power sensors in their class. Pinout for these 3-pin sensors are power, ground, and output. The supply voltage is flexible and can handle from 1.65 VDC to 5.5 VDC. In the presence of a magnetic field that trips the sensor, the output pin is near the supply voltage. In the absence of a magnetic field, the output pin is close to ground. The push-pull output stage does not require an external pull-up resistor. These Magneto-resistive Sensors are available in the SOT-23 subminiature surface mount package and are only 1.6x2.9mm in size.

These [low power](#) sensors are appropriate for door switches and position detection situations where the sensor is mounted opposite a magnet. Opening a door would remove the magnetic field from the sensor, changing the state of the sensor and possibly triggering an alert in the system. Target systems for these sensors include [industrial applications](#) such as water, electric, and gas [utility meters](#); reed switch replacement for building access control; and industrial smoke detectors. These Nanopower Magneto-resistive Sensor ICs are also appropriate for [medical applications](#) such as hospital beds, medical cabinets, and [infusion pumps](#).

To learn more about Honeywell's Nanopower Series of Magneto-resistive Sensors, visit: <http://www.mouser.com/new/Honeywell/honeywell-nanopower-MR-sensor-ICs/>.

With its broad product line and unsurpassed customer service, Mouser caters to design engineers and buyers by delivering What's Next in advanced technologies. Mouser offers customers 20 global support locations and stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is updated daily and searches more than 10 million products to locate over 4 million orderable part numbers available for easy online purchase. Mouser.com also houses an industry-first interactive catalog, data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

### **About Mouser Electronics**

Mouser Electronics, a subsidiary of TTI, Inc., is part of Warren Buffett's Berkshire Hathaway family of companies. Mouser is an award-winning, authorized semiconductor and electronic component distributor, focused on the rapid introduction of new products and technologies to electronic design engineers and buyers. Mouser.com features more than 4 million products online from more than 500 manufacturers. Mouser publishes multiple catalogs per year providing designers with up-to-date data on the components now available for the next generation of electronic devices. Mouser ships globally to over 400,000 customers in 170 countries from its 492,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit <http://www.mouser.com>.

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