Advance Information

SENSOR PRODUCTS

# 2-AXIS MAGNETIC SENSOR

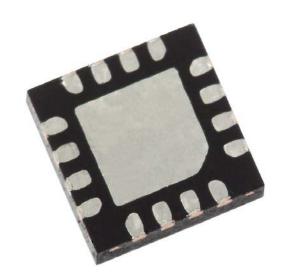
### **Features**

- Miniature 16-Pin LCC Package (3 x 3 x 0.9mm)
- Two AMR Bridges in One Package
- Wide Field Range of +/- 6 Gauss
- 1.0 mV/V/gauss Sensitivity
- High Accuracy Compassing
- Low Profile for Tight Space Constraints
- Patented On-chip Set/Reset Straps

## **Product Description**

The Honeywell HMC1052L is a high performance magnetoresistive sensor design in a single package. The advantages of this design are magnetoresistive chips positioned for orthogonal two-axis sensing, minature size and low height profile in a surface mount package.

Each of the magnetoresistive sensors are configured as a 4-element wheatstone bridges to convert magnetic fields to differential output voltages. Capable of sensing fields below 0.1 milligauss, this sensor offers a compact, low cost, high sensitivity and highly reliable solution for low field magnetic sensing.



# **DIAGRAMS**

## HMC1052 Pinout

### **BOTTOM VIEW** NC S/R-12 GND1 S/R+ 13 (A) OUT-GND2 7 GND1 OFF-6 OUT+ 16 NC 5 2 OUT+ OFF+ GND2

## HMC1052 Circuit Diagram

