# HMC1052L

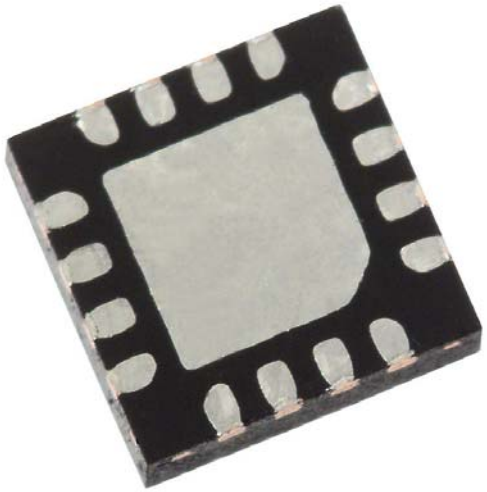
*Advance Information*

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



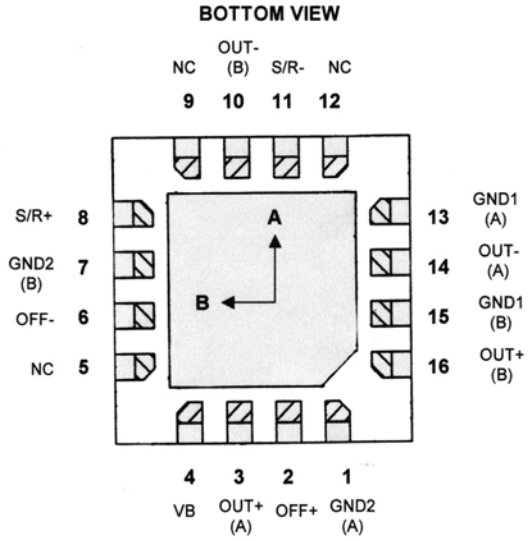
## Product Description

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.

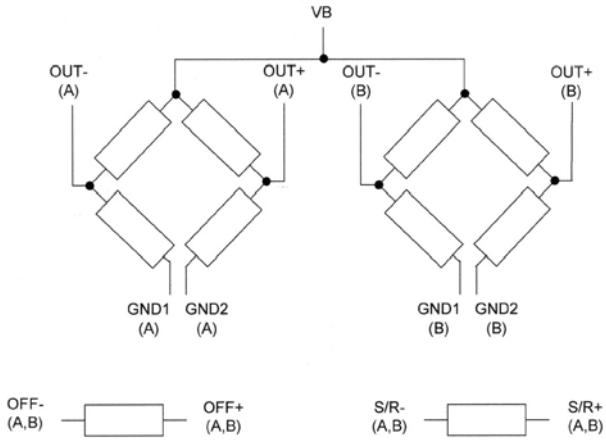
Each of the magnetoresistive sensors are configured as a 4-element wheatstone bridges to convert magnetic fields to differential output voltages. Capable of sensing fields below 0.1 milligauss, this sensor offers a compact, low cost, high sensitivity and highly reliable solution for low field magnetic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

## DIAGRAMS

HMC1052 Pinout




HMC1052 Circuit Diagram

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