HMC1053 Advance Information

## **3-AXIS MAGNETIC SENSOR**

## Features

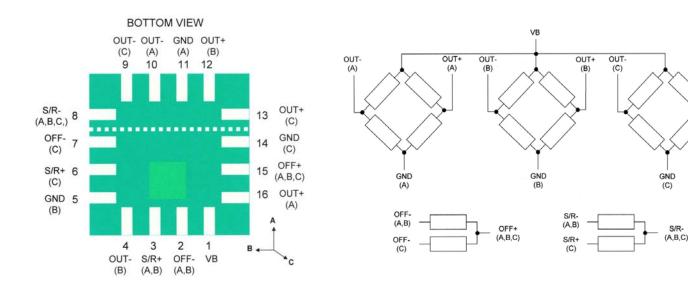
- Miniature 16-Pin LCC Package (7.4 x 7.4 x 2.5mm)
- Three AMR Bridges in One Package
- Wide Field Range of +/- 6 Gauss
- 1.0 mV/V/gauss Sensitivity
- High Accuracy Compassing
- Low Profile for Tight Space Constraints
- Patented On-chip Set/Reset Straps

## **Product Description**

The Honeywell HMC1053 is a high performance magnetoresistive sensor design in a single package. The advantages of this design are magnetoresistive chips positioned for orthogonal three-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



HMC1053 Pinout

HMC1053 Circuit Diagram

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