

# Customer Communication Memo



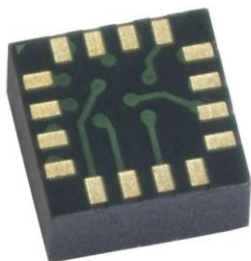
Honeywell International Inc.  
12001 State Highway 55  
Plymouth, MN 55441

<b>Product Name</b>	HMC1043 3-Axis Magnetic Sensor	<b>Ref. Number</b>	CCM12-01
<b>Customer:</b>	All HMC1043 Customers	<b>Initial Issue Date</b>	29 May, 2012
<b>Attention:</b>	Honeywell Valued Customers		
<b>Cord Memo Type</b>	<b>Communication</b>	<b>Originator:</b>	Kate Flores
<b>Status:</b>	OPEN		

**SUBJECT: Customer notification regarding the production of the HMC1043 3-Axis Magnetic Sensor**

## Product Information

The Honeywell HMC1043 is a miniature three-axis surface mount sensor array designed for low field magnetic sensing. By adding the HMC1043 with supporting signal processing, a cost effective and space-efficient three-axis magnetometer or compassing solution is enabled. This ultra-compact, low cost solution is easy to assemble for high volume OEM designs. Applications for the HMC1043 include Compassing, Navigation Systems, Magnetometry, and Current Sensing.



## Scope of Product Affected

This notice is limited to the HMC1043 3-axis magnetic sensor, part numbers HMC1043 and HMC1043-TR.

## Description of Production Delays

Honeywell recently purchased a bridge-buy of the HMC1043 from our current supplier. Quality issues with these parts are forcing us to examine alternate data sheet specifications to deliver them to you with quality consistent with Honeywell's policies and practices. Unexpected failures seen in the qualification results indicate the product is not capable of 260C reflow conditions. Engineering reviews have determined that the product will likely be capable of passing lower reflow temperature conditions.

## System Effects

Delivery of HMC1043 is being delayed until Honeywell can determine an appropriate reflow profile for these parts and can develop a test to screen parts within this profile, if needed. On delivery, these parts may be stated to have a lower recommended reflow temperature profile than was previously listed on the datasheet.

## Pending Actions

Honeywell is re-running our qualification activity for these bridge-buy parts at two lower temperature reflow settings to determine if the parts can be reclassified for a lower reflow temperature and delivered. Re-qualified product is expected to be available by August 1, 2012, and will be accompanied by a Product Change Notice (PCN) as necessary.