



198 Champion Court San Jose, CA 95134-1709 (408) 943-2600

## PRODUCT CHANGE NOTIFICATION

**PCN:** PCN135257

**Date:** December 13, 2013

**Subject:** Qualification of Copper Wire Bonds for select Lead Frame Products at Cypress Philippines

**To:** PCN ADMIN  
CYPRESS  
pcn\_adm@cypress.com

**Change Type:** Major

### Description of Change:

Cypress announces the qualification of copper wire bonds for lead frame (LF) products at Cypress Philippines using the Bill of Materials in the attached table. There will be no changes to product datasheets.

### Benefit of Change:

The conversion to copper wire bonds will keep Cypress in alignment with the overall industry trend towards copper wire bonds. This also provides the means for Cypress to continue to meet customers' varied packaging needs as well as delivery commitments in dynamic, changing market conditions.

### Affected Part Numbers:

#### Affected Parts: 464

See the attached file for a list of all part numbers affected by this change. Note that any new lead frame parts that are introduced after the publication of this PCN will also be manufactured with either copper or gold wire bonds.

### Qualification Status:

Copper wire bonds have been qualified through a series of tests documented in the Qualification Test Plan (QTP) reports indicated in the table below. Qualification reports can be found as attachments to this notification or by visiting [www.cypress.com](http://www.cypress.com), typing the QTP number in the search window and clicking on the magnifying glass icon.

### Sample Status:

Qualification samples are not built ahead of time for all part numbers affected by this change. Please review the attached file for a list of affected part numbers with their associated sample ordering part numbers. Note that some of the sample parts may be marked with the sample ordering part number whereas most of the sample parts are marked with the standard part number. Sample requests for products without sample order part numbers are not built ahead of time, will be built to order and subject to standard lead times. Please contact your Sales Representative as soon as possible, but within 30 days of the date of this PCN, to place any sample orders.

**Approximate Implementation Date:**

Effective 90 days from the date of this notification or upon customer approval, whichever comes first, all shipments of the affected part numbers in the attached file will be supplied with either copper wire bonds or gold wire bonds.

**Anticipated Impact:**

Products manufactured with copper wire bonds are completely compatible with existing product from a functional, parametric, and quality performance perspective.

Cypress recommends that customers take this opportunity to review these changes against current application notes, system design considerations and customer environment conditions to assess impact (if any) to their application.

**Method of Identification:**

There will be no changes to the part number. A "C" will be added to the package marking to designate copper wire bonds. Cypress maintains traceability of product to wafer level, including wafer fabrication location, through the lot number marked on the package.

**Response Required:**

No response is required.

For additional information regarding this change, contact your local sales representative or contact the PCN Administrator at [pcn\\_adm@cypress.com](mailto:pcn_adm@cypress.com).

Sincerely,

Cypress PCN Administration