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PRODUCT CHANGE NOTIFICATION

PCN: PCN145335

Date: September 21, 2014

Subject: Qualification of New Leadframe for 44-Lead TSOP II Automotive Products.

To: PCN ADMIN
CYPRESS
pcn_admin@cypress.com

Change Type: Minor

Description of Change:

Cypress announces the qualification of a new leadframe design for 44-Lead TSOP II Automotive products at Jiangsu Changjiang Electronics Technology Company Limited (JCET), China. The leadframe design is changed from the Donut-type leadframe to 100% Solid-type leadframe. The Solid-type leadframe will improve the package robustness and reliability. This change will not impact the package size, netlist, form, fit, function or datasheet specifications. There will not be any changes to the ordering part numbers. Refer to the attached file for the photos of current and new leadframe designs.

Below are the current and new leadframe design change details:

Item	Current Leadframe	New Leadframe
Leadframe Type	Donut-type	100% Solid-type
Lead Finish	Ni/Pd/Au (Non-Roughened)	Ni/Pd/Au-Ag (Roughened)

Benefit of Change:

The 100% Solid-type leadframe will provide design integrity to improve the reliability and package robustness.

Affected Part Numbers: 12

Affected Parts: See the attached 'Affected Part List' file for the list of part numbers affected by this change.

Qualification Status:

The change in leadframe design from the Donut-type to 100% Solid-type has been qualified through a series of tests identified in the Qualification Test Plan (QTP) Report No. 131001. The QTP report can be found as an attachment to this notification or by visiting www.cypress.com and typing the QTP number in the keyword search window.

Sample Status:

Please review the attached 'Affected Part List' file for the list of affected part numbers with their associated sample ordering part numbers. Some samples are not built ahead of time, will be built to order and are subject to standard lead times. Please contact your local sales representative as soon as possible, but within 30 days of the date of this PCN, to place any sample orders.

Qualification sample orders received after 30 days from the date of this PCN will be subject to lead times.

Approximate Implementation Date:

This change will be implemented 90 days from the date of this notification. Effective 90 days from the date of this notification, all shipments of the affected part numbers will be transitioned to the Solid-type leadframe. During the transition period, customers may receive both types of leadframes in the same shipment.

Anticipated Impact:

Products manufactured with the Solid-type leadframe are completely compatible with existing product from a functional, parametric, and quality performance perspective.

Cypress also 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:

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.

Sincerely,

Cypress PCN Administration