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## PRODUCT CHANGE NOTIFICATION

**PCN:** PCN155374

**Date:** August 06, 2015

**Subject:** Transfer of Assembly Site from Amkor Technology Korea to Advanced Semiconductor Engineering Taiwan for 24-Lead QFN Products

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

**Change Type:** Major

### Description of Changes:

Cypress announces the qualification of assembly manufacturing operations at Advanced Semiconductor Engineering (ASE-KH) in Kaohsiung, Taiwan for the 24-Lead QFN products that are currently being assembled at Amkor Technology, Korea. ASE-KH will manufacture these packages by using the following bill of materials (BOMs):

Material	ASE-KH BOM	Amkor Korea BOM
Mold Compound	Sumitomo EME G631H	Sumitomo EME G700
Die Attach Epoxy	Hitachi EN-4900F	Henkel Ablebond 8290
Bond Wire	CuPd-0.8mil	Au-1.0mil
Lead Finish	NiPdAu	Pure Sn
Lead Frame	Saw Type	Punch Type
Package Height	0.6mm	1.0mm

Customer ordering part numbers have been changed. Refer to the attached 'Affected Parts List' file for current and replacement part numbers. Current 24-Lead QFN Punch products from Amkor Korea are subject to End of Life (EOL) with the Last Time Buy (LTB) and Last Time Ship (LTS) dates. Replacement parts are created to distinguish between the Saw and Punch leadframe parts. Products assembled at ASE-KH are pin-to-pin compatible with existing product from a functional, parametric, datasheet and quality performance perspective.

ASE is one of the world's largest providers of independent semiconductor manufacturing services in assembly and test. Their assembly and test facility in Kaohsiung, Taiwan is already a qualified site for other Cypress products. This qualification will enable 24-Lead QFN products to be assembled in one subcontractor facility. This qualification will allow Cypress to leverage ASE's manufacturing expertise and quality focus.

**Benefit of Change:**

Qualification of alternate manufacturing sites is part of the ongoing manufacturing initiative announced by Cypress. The goal of the manufacturing initiative is to provide the means for Cypress to continue to meet our customers' requirements and meet our delivery commitments through dynamic, changing market conditions.

**Affected Part Numbers: 35**

**Affected Parts:** Refer to the attached 'Affected Parts List' file for the list of all part numbers affected by this change. Note that any new parts that are introduced after the publication of this PCN will include all changes outlined in this PCN.

**Qualification Status:**

ASE-KH has been qualified through a series of tests documented in the Qualification Test Plan (QTP) 114401. The qualification report can be found as an attachment to this notification or by visiting [www.cypress.com](http://www.cypress.com) and typing the QTP number in the keyword search window.

**Sample Status:**

Qualification samples are not built ahead of time for all part numbers affect by this change. Please review the attached file for a list of affected part numbers. Please contact your Sales Representative as soon as possible, but within 30 days of the date of this PCN, to place any sample orders. Use the replacement part numbers while placing the sample requests.

**Approximate Implementation Date:**

The new products from ASE-KH are available with the date of this notification. The previous 24-Lead QFN Punch products listed under the "Manufacturing Part Number" column in the attached 'Affected Parts List' file are subject to End of Life (EOL) with the Last Time Buy (LTB) and Last Time Ship (LTS) dates.

**Anticipated Impact:**

Products assembled at ASE-KH 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](mailto:pcn_adm@cypress.com).

Sincerely,  
Cypress PCN Administration