



Cypress Semiconductor Corporation, 198 Champion Court, San Jose, CA 95134. Tel: (408) 943-2600

## PRODUCT CHANGE NOTIFICATION

**PCN:** PCN162902

**Date:** July 19, 2016

**Subject:** Transfer of Assembly Site from Amkor Philippines to UTAC Thailand Ltd (UTL) for 32-Lead SOIC Products

**To:** TOKYO ELECTRON DEVICE  
cy-pcn@teldevice.co.jp

**Change Type:** Major

### Description of Change:

Cypress announces the qualification of assembly manufacturing operations at UTAC Thailand Ltd (UTL) facility for the 32-Lead 300 mil SOIC products that are currently being assembled at Amkor Philippines facility. This qualification is due to the planned phasing-out of 32-SOIC package at Amkor Philippines facility. UTL Thailand is already a qualified assembly site for Cypress's SOIC 150 mil packages.

Products assembled at UTL Thailand are pin-to-pin compatible with existing product from a functional, parametric, datasheet and quality performance perspective. UTL Thailand will manufacture the products in the above package by using the following shaded bill of materials (BoM):

Material	UTL Bill of Materials (New Site)	Amkor Bill of Materials (Current Site)
Mold Compound	Sumitomo G712A	Sumitomo G600
Die Attach Epoxy	Ablebond 8600	Ablebond 8290
Bond Wire	1.0 mil Au	1.0 mil Au
Lead frame	Base Cu Lead frame	Base Cu Lead frame
External Lead Finish	Pure Sn	Pure Sn

There are no changes to ordering part numbers. Product datasheets remain the same and can be downloaded from the Cypress Website ([www.cypress.com](http://www.cypress.com)).

**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.

**Part Numbers Affected: 18**

**Affected Parts:** See the attached 'Affected Parts List' file for a 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:**

UTL Thailand has been qualified through a series of tests documented in the Qualification Test Plan (QTP) 153005. This qualification report can be found as an attachment to this notification.

**Sample Status:**

Qualification samples are not built ahead of time for all part numbers affected by this change. Please review the attached 'Affected Parts List' file for a list of affected part numbers with their associated sample ordering part numbers. Sample requests for products without samples 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 from any of the qualified manufacturing sites.

**Anticipated Impact:**

No impact is anticipated. Products manufactured at UTL Thailand 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:**

There will be no changes to the part number. Cypress maintains traceability of product to wafer level, including wafer fabrication location, through the lot number marked on the package.

**Response Required:**

Cypress will assume you accept this change and associated implementation schedule if we do not receive your response in writing within 30 days. The notice, policies and procedures stated here will supersede any previous agreements you may have with Cypress with respect to product change notifications (PCNs). If you wish to request qualification samples, please enter your request within 30 days of this PCN date. If you need to request a restriction to prevent shipment of the changed product, the following policies and procedures will apply: [1] Within 30 days from the date of the PCN, you must notify Cypress that you will require more than 90 days to accept this change. [2] Within 30 days from the date of the PCN, request a restricted part number through your local sales office. Restricted part numbers are temporary and limit shipments to the old location or process. These are considered custom and temporary and subject to additional non-standard terms and conditions. [3] Within 60 days from the PCN date, you must issue a revised purchase

order (PO) to convert your order backlog from the affected part number to the restricted part number. Beginning 90 days from this PCN date, for backlog not converted to the restricted part number, you may receive changed product. [4] Products ordered on restricted part numbers are considered custom and subject to the following additional terms and conditions: [4a] All orders placed on restricted part numbers are non-cancelable, non-returnable, and non-rescheduleable. [4b] Up to 30 percent price premium may apply. [4c] Lead times may be extended from standard product lead times. [4d] Upside demand re-promise may be subject to an expedite charge. [4e] Restricted part numbers are temporary and subject to Last Time Buy (LTB) 180 days from the PCN date; Last Time Ship (LTS) 90 days from LTB date.

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