



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:

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).

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:

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

| Item | Marketing Part Number | Sample Order Part Number |
|-------------|------------------------------|--|
| 1 | STK14C88-NF35UTR | STK14C88-NF35UKU |
| 2 | STK14C88-NF35U | STK14C88-NF35UKU |
| 3 | CY14E256LA-SZ45XIT | CY14E256LA-SZ45XIKU |
| 4 | CY14E256LA-SZ45XI | CY14E256LA-SZ45XIKU |
| 5 | CY14E256LA-SZ25XIT | CY14E256LA-SZ25XIKU |
| 6 | CY14E256LA-SZ25XI | CY14E256LA-SZ25XIKU |
| 7 | CY14B256LA-SZ45XIT | CY14B256LA-SZ45XIKU |
| 8 | CY14B256LA-SZ45XI | CY14B256LA-SZ45XIKU |
| 9 | CY14B256LA-SZ25XIT | CY14B256LA-SZ25XIKU |
| 10 | CY14B256LA-SZ25XI | CY14B256LA-SZ25XIKU |
| 11 | CY14B101LA-SZ45XIT | CY14B101LA-SZ45XIKU |
| 12 | CY14B101LA-SZ45XI | CY14B101LA-SZ45XIKU |
| 13 | CY14B101LA-SZ25XIT | CY14B101LA-SZ25XIKU |
| 14 | CY14B101LA-SZ25XI | CY14B101LA-SZ25XIKU |
| 15 | CY14E256LA-SZ45XQT | Available to order; subject to lead time |
| 16 | CY14E256LA-SZ45XQ | Available to order; subject to lead time |
| 17 | CG7956AAT | CG7956KUA |
| 18 | CG7956AA | CG7956KUA |