



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

PRODUCT CHANGE NOTIFICATION

PCN: PCN162802

Date: July 15, 2016

Subject: Transfer of Assembly Site from Amkor Korea 1 to Amkor Philippines 1 for 120-Lead TQFP Products

To:
DIGIKEY

Change Type: Major

Description of Changes:

Cypress announces the qualification of assembly manufacturing operations at Amkor Philippines 1 facility for 120-Lead TQFP products that are currently being assembled at Amkor Korea 1 facility. This qualification is due to the planned closure of the Amkor Korea 1 facility.

Products assembled at Amkor Philippines 1 are pin-to-pin compatible with existing product from a functional, parametric, datasheet and quality performance perspective. Amkor Philippines 1 will manufacture the products in the above package by using the following shaded bill of materials (BOM):

Material	Amkor Korea 1	Amkor Philippines 1
Mold Compound	Sumitomo EME-G700L	Sumitomo EME-G631HQ
Die Attach Epoxy	Ablestik 3230	Trubond AP4200
Bond Wire	Au	CuPd
Lead Finish	Pure Sn	Pure Sn

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: 3

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:

Amkor Philippines 1 has been qualified through a series of tests documented in the Qualification Test Plan (QTP) 153009. This qualification 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:

Qualification samples are not built ahead of time for all part numbers affect 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:

Products assembled at Amkor Philippines 1 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. 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	CY7C0831AV-133AXI	CY7C0831AV-133AXIKP
2	CY7C0832AV-133AXI	CY7C0832AV-133AXIKP
3	CY7C0832AV-167AXC	Available to order, subject to lead time