



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

## PRODUCT INFORMATION NOTIFICATION

**PIN:** PIN145345

**Date:** December 05, 2014

**Subject:** Copper Alloy Change on TQFP Leadframe Packages at Amkor Technology Korea

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

**Change Type:** Minor

### Product Information:

Cypress announces a change of the copper alloy material on TQFP packages built at Amkor Technology Korea. This is due to a copper alloy shortage for the current C151 leadframe material. The new C194 copper alloy material has been widely used on these packages at other Cypress assembly sites, including Cypress Philippines, for many years. It is a newer version of copper alloy material for leadframes which is compatible with different package applications.

Material	New Bill of Materials (Amkor Korea)	Current Bill of Materials (Amkor Korea)
Leadframe Copper Alloy	C194	C151
Lead Finish	Pure Sn	Pure Sn
Die Attach	Ablestick 3230	Ablestick 3230
Bond Wire	Au	Au
Mold Compound	Sumitomo G700L	Sumitomo G700L

The new leadframe copper alloy material has passed a series of reliability tests and been qualified internally by Amkor Technology Korea.

**Affected Part Numbers:** 55

**Affected Parts:** Please refer to the attached affected part list

### Approximate Implementation Date:

Effective with the date of this notification, Cypress will transition to shipments of the affected part numbers with the new leadframe copper alloy material.

### Anticipated Impact:

None anticipated. Products manufactured at Amkor Technology Korea with the new copper alloy material are completely compatible with existing product from a functional and parametric performance perspective; with the same level of quality and reliability.

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 and assembly location, through the lot number marked on the package. There will be no changes to the ordering codes or marking on production material shipped after the change implementation date.

**Response Required:**

This is an information only announcement. 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