



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

## PRODUCT CHANGE NOTIFICATION

**PCN:** PCN201303

**Date:** March 26, 2020

**Subject:** Qualification of Amkor Technology Japan Kumamoto as an Assembly Site and Die Attach Material Change for Select MCU Products

**Change Type:** Major

### Description of Change:

Cypress announces the qualification of Amkor Technology Japan Kumamoto (ATJ, 272-10, Takaono, Ozu-machi, Kikuchi-gun, Kumamoto 869-1232, Japan) as an assembly site for select MCU products. The current products are processed at Amkor Technology Japan Kitsuki (ATJ, 2820-2, Minami-Kitsuki, Kitsuki-shi, Oita 873-0002, Japan). This change is driven by Amkor Technology's notification for site closure of their Kitsuki factory in December 2020. The change corresponds to Category (BGA Kumamoto) in APCN194303.

Amkor Technology Japan Kumamoto is certified by international quality standards, ISO 9001 and IATF16949. Amkor Technology Japan certificates can be viewed on their corporate web site: <https://amkor.com/quality-management/>.

Among the affected part numbers, material change of die attach will be also applied for 4 marketing part numbers due to EOL of the materials.

Marketing part number	Current DA Material	New DA Material
CY9AF003ABGL-GE1	Hitachi DAF DF402	Hitachi DA Epoxy EN4900
CY9BF112NBGL-GE1	Hitachi DAF DF402	Hitachi DAF HR9050
CY9BF114NBGL-GE1	Hitachi DAF DF402	Hitachi DAF HR9050
CY9BF114NBGL-G-F4E1	Hitachi DAF DF402	Hitachi DAF HR9050

### Benefit of Change:

Cypress will have the added capability to meet varying market demand, and to ensure consistent and reliable delivery performance to customers.

### Part Numbers Affected: 110

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:**

This assembly site has been qualified through a series of tests documented in Qualification Test Plan QTP#002-29750. The qualification report can be found as an attachment to this PCN or by visiting [www.cypress.com](http://www.cypress.com) and typing the QTP number in the keyword search window.

QTP Number	Qualification
002-29750	BGA Package Qualification at New Assembly Site (Amkor Technology Japan – Kumamoto Site)

**Sample Status:**

Qualification samples may not be 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 Amkor Technology Japan Kumamoto sample ordering part numbers. Samples are available now unless there is an indication that the sample ordering part numbers are subject to lead times. If you require qualification samples, please contact your local Cypress sales representative as soon as possible, but no later than 30 days from the date of this PCN, to place any sample orders.

**Approximate Implementation Date:**

Old marketing part numbers listed in attached file will be supported according to the Last Time Buy (LTB) and Last Time Ship (LTS) dates provided. Your Cypress Sales rep will be in touch with you during the LTB phase to manage the backlog transition from Kitsuki marketing part number to new (Kumamoto) marketing part number, depending on inventory depletion levels.

**Anticipated Impact:**

Products assembled at the new site are completely compatible with existing products from form, fit, functional, parametric and quality performance perspectives.

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

Marketing Part Number	Replacement Part Number	Last Time Buy Date for Old MPN	Last Time Ship Date for Old MPN
CY9AF003ABGL-GE1	CY9AF003ABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF009ABGL-GE1	CY9AF009ABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF009BBGL-GE1	CY9AF009BBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF111NABGL-GE1	CY9AF111NABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF112NABGL-GE1	CY9AF112NABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF112NBGL-GE1	CY9AF112NBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF114NABGL-GE1	CY9AF114NABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF114NBGL-GE1	CY9AF114NBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF115NABGL-GE1	CY9AF115NABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF116NABGL-GE1	CY9AF116NABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF141MABGL-GE1	CY9AF141MABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF141MBBGL-GE1	CY9AF141MBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF141NABGL-GE1	CY9AF141NABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF141NBBGL-GE1	CY9AF141NBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF142MABGL-GE1	CY9AF142MABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF142MBBGL-GE1	CY9AF142MBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF142NABGL-GE1	CY9AF142NABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF142NBBGL-GE1	CY9AF142NBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF144MABGL-GE1	CY9AF144MABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF144MBBGL-GE1	CY9AF144MBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF144NBGL-GE1	CY9AF144NBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF144NBBGL-GE1	CY9AF144NBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF154MABGL-GE1	CY9AF154MABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF154MBBGL-GE1	CY9AF154MBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF154MBGL-GE1	CY9AF154MBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF154NABGL-GE1	CY9AF154NABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF154NBBGL-GE1	CY9AF154NBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF154NBGL-GE1	CY9AF154NBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF155MABGL-GE1	CY9AF155MABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF155MBBGL-GE1	CY9AF155MBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF155MBGL-GE1	CY9AF155MBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF155NABGL-GE1	CY9AF155NABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF155NBBGL-GE1	CY9AF155NBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF155NBGL-GE1	CY9AF155NBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF156MABGL-GCGE1	CY9AF156MABGL-GCGK9E1	10-Sep-20	10-Mar-21
CY9AF156MBBGL-GE1	CY9AF156MBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF156NABGL-GE1	CY9AF156NABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF156NBBGL-GE1	CY9AF156NBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF156NBGL-GE1	CY9AF156NBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF311NABGL-GE1	CY9AF311NABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF312NABGL-GE1	CY9AF312NABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF314NABGL-GE1	CY9AF314NABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF314NBGL-GE1	CY9AF314NBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF315NABGL-GE1	CY9AF315NABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF316NABGL-GE1	CY9AF316NABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF341MABGL-G-102E1	CY9AF341MABGL-G-102K9E1	10-Sep-20	10-Mar-21
CY9AF341MABGL-GE1	CY9AF341MABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF341MBBGL-GE1	CY9AF341MBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF341NABGL-GE1	CY9AF341NABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF341NBBGL-GE1	CY9AF341NBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF342MABGL-GE1	CY9AF342MABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF342MBBGL-GE1	CY9AF342MBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF342NABGL-GE1	CY9AF342NABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF342NBBGL-GE1	CY9AF342NBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF344MABGL-G-103E1	CY9AF344MABGL-G-103K9E1	10-Sep-20	10-Mar-21
CY9AF344MABGL-GE1	CY9AF344MABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF344MBBGL-GE1	CY9AF344MBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF344NABGL-GE1	CY9AF344NABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AF344NBBGL-GE1	CY9AF344NBBGL-GK9E1	10-Sep-20	10-Mar-21

CY9AFA41MABGL-GE1	CY9AFA41MABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AFA41MBBGL-GE1	CY9AFA41MBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AFA41NABGL-GE1	CY9AFA41NABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AFA41NBBGL-GE1	CY9AFA41NBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AFA42MABGL-GE1	CY9AFA42MABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AFA42MBBGL-GE1	CY9AFA42MBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AFA42NABGL-GE1	CY9AFA42NABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AFA42NBBGL-GE1	CY9AFA42NBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AFA44MABGL-GE1	CY9AFA44MABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AFA44MBBGL-GE1	CY9AFA44MBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AFA44NABGL-GE1	CY9AFA44NABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AFA44NBBGL-GE1	CY9AFA44NBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AFB41MABGL-GE1	CY9AFB41MABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AFB41MBBGL-GE1	CY9AFB41MBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AFB41NABGL-GE1	CY9AFB41NABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AFB41NBBGL-GE1	CY9AFB41NBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AFB42MABGL-GE1	CY9AFB42MABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AFB42MBBGL-GE1	CY9AFB42MBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AFB42NABGL-GE1	CY9AFB42NABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AFB42NBBGL-GE1	CY9AFB42NBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AFB44MABGL-GE1	CY9AFB44MABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AFB44MBBGL-GE1	CY9AFB44MBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9AFB44NABGL-GE1	CY9AFB44NABGL-GK9E1	10-Sep-20	10-Mar-21
CY9AFB44NBBGL-GE1	CY9AFB44NBBGL-GK9E1	10-Sep-20	10-Mar-21
CY9BF112NBGL-GE1	CY9BF112NBGL-GK9E1	10-Sep-20	10-Mar-21
CY9BF114NBGL-GE1	CY9BF114NBGL-GK9E1	10-Sep-20	10-Mar-21
CY9BF114NBGL-G-F4E1	CY9BF114NBGL-G-F4K9E1	10-Sep-20	10-Mar-21
CY9BF115NBGL-GE1	CY9BF115NBGL-GK9E1	10-Sep-20	10-Mar-21
CY9BF116NBGL-GE1	CY9BF116NBGL-GK9E1	10-Sep-20	10-Mar-21
CY9BF121MBGL-GE1	CY9BF121MBGL-GK9E1	10-Sep-20	10-Mar-21
CY9BF122MBGL-GE1	CY9BF122MBGL-GK9E1	10-Sep-20	10-Mar-21
CY9BF124MBGL-GE1	CY9BF124MBGL-GK9E1	10-Sep-20	10-Mar-21
CY9BF312NBGL-GE1	CY9BF312NBGL-GK9E1	10-Sep-20	10-Mar-21
CY9BF314NBGL-GE1	CY9BF314NBGL-GK9E1	10-Sep-20	10-Mar-21
CY9BF315NBGL-GE1	CY9BF315NBGL-GK9E1	10-Sep-20	10-Mar-21
CY9BF316NBGL-GE1	CY9BF316NBGL-GK9E1	10-Sep-20	10-Mar-21
CY9BF321MBGL-GE1	CY9BF321MBGL-GK9E1	10-Sep-20	10-Mar-21
CY9BF322MBGL-GE1	CY9BF322MBGL-GK9E1	10-Sep-20	10-Mar-21
CY9BF324MBGL-GE1	CY9BF324MBGL-GK9E1	10-Sep-20	10-Mar-21
CY9BF412NBGL-GE1	CY9BF412NBGL-GK9E1	10-Sep-20	10-Mar-21
CY9BF414NBGL-GE1	CY9BF414NBGL-GK9E1	10-Sep-20	10-Mar-21
CY9BF415NBGL-GE1	CY9BF415NBGL-GK9E1	10-Sep-20	10-Mar-21
CY9BF416NBGL-GE1	CY9BF416NBGL-GK9E1	10-Sep-20	10-Mar-21
CY9BF512NBGL-GE1	CY9BF512NBGL-GK9E1	10-Sep-20	10-Mar-21
CY9BF514NBGL-GE1	CY9BF514NBGL-GK9E1	10-Sep-20	10-Mar-21
CY9BF515NBGL-GE1	CY9BF515NBGL-GK9E1	10-Sep-20	10-Mar-21
CY9BF516NBGL-GE1	CY9BF516NBGL-GK9E1	10-Sep-20	10-Mar-21
CY9BF521MBGL-GE1	CY9BF521MBGL-GK9E1	10-Sep-20	10-Mar-21
CY9BF522MBGL-GE1	CY9BF522MBGL-GK9E1	10-Sep-20	10-Mar-21
CY9BF524MBGL-GE1	CY9BF524MBGL-GK9E1	10-Sep-20	10-Mar-21