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PRODUCT CHANGE NOTIFICATION

PCN: PCN181202

Date: March 21, 2018

Subject: Qualification of SMIC as an Additional Wafer Fab Site for FM3 Series 32-bit ARM Core Microcontroller Products and Changing Marketing Part Numbers from MB Prefix to CY Prefix

To:

Change Type: Major

Description of Change:

Cypress announces the qualification of Semiconductor Manufacturing International Corp. (SMIC) in Beijing, China as an additional wafer foundry site for the fabrication of FM3 Series 32-bit ARM Core Microcontroller products that are currently fabricated at MIE Fujitsu Semiconductor, Ltd. Japan (MIFS).

This change corresponds to GR11-A in APCN173705*B.

Datasheets can be downloaded in www.cypress.com using this link:

<http://www.cypress.com/file/252161/download> , <http://www.cypress.com/file/252171/download>

Replacement of MIFS and SMIC parts number can be referenced with affected parts list.

Benefit of Change:

Qualification of alternate manufacturing sites is part of the ongoing flexible manufacturing initiative announced by Cypress. The goal of the flexible manufacturing initiative is to provide the means for Cypress to continue to meet delivery commitments through dynamic, changing market conditions.

Part Numbers Affected: 10

See the attached 'Affected Parts List' file for a list of all part numbers affected by this change. These part numbers will change from an MB prefix to a CY prefix. This will include removal of the "F-logo" or "Spansion-logo" from the marking on the package.

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 wafer foundry site has been qualified through a series of tests documented in the Qualification Test Plan QTP#174602. This qualification report can be found as an attachment to

this PCN or by visiting www.cypress.com and typing the QTP number in the keyword search window.

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 SMIC 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, preferably 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, all shipments of the affected part numbers in the attached file will be supplied from SMIC in Beijing, China or other approved wafer fabrication sites.

Anticipated Impact:

Products wafer processed at the new site are completely compatible with existing products from a 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.

Sincerely,

Cypress PCN Administration

Item	Marketing Part Number	SMIC Marketing Part Number (New Part Number)
1	MB9AF115MAPMC-G-JNE2	CY9AF115MAPMC-G-MNE2
2	MB9AF115NAPMC-G-JNE2	CY9AF115NAPMC-G-MNE2
3	MB9AF116MAPMC-G-JNE2	CY9AF116MAPMC-G-MNE2
4	MB9AF116MPMC-G-JNE1	CY9AF116MPMC-G-MNE1
5	MB9AF116NAPMC-G-JNE2	CY9AF116NAPMC-G-MNE2
6	MB9AF116NPMC-G-JNE1	CY9AF116NPMC-G-MNE1
7	MB9AF315MAPMC-G-JNE2	CY9AF315MAPMC-G-MNE2
8	MB9AF315NAPMC-G-JNE2	CY9AF315NAPMC-G-MNE2
9	MB9AF316MAPMC-G-JNE2	CY9AF316MAPMC-G-MNE2
10	MB9AF316NAPMC-G-JNE2	CY9AF316NAPMC-G-MNE2