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PRODUCT CHANGE NOTIFICATION

PCN: PCN190701

Date: February 19, 2019

Subject: Qualification of Fab 25 as an Additional Wafer Fab Site, EME-G660B Mold Compound and Marketing Part Number Change for Select Automotive MCU Products

Change Type: Major

Description of Change:

Cypress announces the qualification of Fab 25 (5204 East Ben White Boulevard, Austin, TX 78741, USA) as an additional wafer fab site for select automotive MCU products. The current products are fabricated at ON Semiconductor Aizu Co., Ltd. Cypress also announces that the package mold material is changing to the standard J-Devices EME-G660B mold compound. In addition, the part number is changing from a MB prefix to a CY prefix, including a marking change of “F-logo” or “Spansion logo” removal. These changes include parts of Group 2 (GR2-D, GR2-E, GR2-F) in APCN173705C.

Changes	Current	New
Wafer Fab Site	ON Semiconductor Aizu Co., Ltd, Japan	Fab 25, USA
Mold Compound	Hitachi Epoxy CEL-9210H	Sumitomo Epoxy EME-G660B
Part Number	MB***	CY***
Logo Marking	F-logo or Spansion logo	No logo

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: 13

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:

These products have been qualified through a series of tests documented in the Qualification Test Plans summarized in the table below. These qualification reports can be found as attachments to

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

QTP Number	Qualification
QTP#168010	Microcontrollers, 180nm Technology, Fab 25
QTP#172504	Microcontrollers with Flash, 180nmTechnology (CU80F), Fab 25
QTP#173409	LQFP Package, Lead-Free, Cu Wire (CuPdAu), Au Wire, EME-G600B, J-Devices/Fukuoka
QTP#173908	Fab 25, J-Devices Usuki BOM Qual Report

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 Fab 25 sample ordering part numbers. Sample ordering part numbers are subject to leadtime. 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 or upon customer approval, whichever comes first, all shipments of Commercial, Industrial and Automotive non-PPAP part numbers in the attached file will be supplied from Fab 25.

For Automotive PPAP part numbers this change will be effective upon customer approval.

Anticipated Impact:

Products fabricated 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.

Sincerely,

Cypress PCN Administration

Item	Marketing Part Number	New Part Number
1	MB90F035PMC-GSE1	CY90F035PMC-GS-UJE1
2	MB90F036APMC-GSE1	CY90F036APMC-GS-UJE1
3	MB90F931PMC-GS-N2E1	CY90F931PMC-GS-UJE1
4	MB91F037PMC-GSK5E1	CY91F037PMC-GS-UJE1
5	MB96F346RSCPMC-GS-F4E1	CY96F346RSCPMC-GS-UJF4E1
6	MB96F348RWCPMC-GE2	CY96F348RWCPMC-G-UJE2
7	MB96F386RSBPMC-GS-N2E1	CY96F386RSBPMC-GS-UJE1
8	MB96F386RSBPMC-GS-N2E2	CY96F386RSBPMC-GS-UJE2
9	MB96F386RWBPMC-GS-104E2	CY96F386RWBPMC-GS104UJE2
10	MB96F386RWBPMC-GS-105E2	CY96F386RWBPMC-GS105UJE2
11	MB96F386RWBPMC-GSE2	CY96F386RWBPMC-GS-UJE2
12	MB96F386RWBPMC-GS-N2E2	CY96F386RWBPMC-GS-UJE2
13	MB96F387RSBPMC-GS-N2E2	CY96F387RSBPMC-GS-UJE2