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

PRODUCT CHANGE NOTIFICATION

PCN: PCN182202   **Date:**   June 05, 2018

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

To:

Change Type: Major

Description of Change:
Cypress announces the qualification of Fab 25 in Austin, Texas, USA as an additional wafer fab site for select automotive MCU products. The current products are fabricated at Fujitsu Semiconductor Manufacturing, Inc. Japan (AFSM). 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 an MB prefix to a CY prefix, including a marking change of "F-logo" or "Spansion logo" removal. These changes correspond to Group 2 (GR2-B) in APCN173705C.

Changes	Current	New
Wafer Fab Site	AFSM, 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: 46
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
172504	Fab 25, 180nm Technology (CU80F), MCU with Flash
173908	J-Devices Usuki, LQFP Package
160810	Fab 25, 180nm Technology (CU80F_UL), MCU

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. 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:
This change will be effective 90 days from date of notification or upon customer approval. All shipments in the attached file will be supplied from Fab 25, the package mold material will change to the standard J-Devices EME-G660B mold compound, and the part number will change from an MB prefix to a CY prefix.

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	AFSM Marketing Part Number	Fab 25 Marketing Part Number (New Part Number)	Description
1	MB90F037JBSPMC-GSE1	CY90F037JBSPMC-GS-UJE1	16-bit Proprietary Core Microcontroller
2	MB90F037JDSPMC-GSE1	CY90F037JDSPMC-GS-UJE1	16-bit Proprietary Core Microcontroller
3	MB90F039DBSPMC-GSE1	CY90F039DBSPMC-GS-UJE1	16-bit Proprietary Core Microcontroller
4	MB90F039JBSPMC-GSE1	CY90F039JBSPMC-GS-UJE1	16-bit Proprietary Core Microcontroller
5	MB90F039YBSPMC-GSE1	CY90F039YBSPMC-GS-UJE1	16-bit Proprietary Core Microcontroller
6	MB90F952JDSPMC-GSE1	CY90F952JDSPMC-GS-UJE1	16-bit Proprietary Core Microcontroller
7	MB90F997JBSPMC-GS-N2E1	CY90F997JBSPMC-GS-UJE1	16-bit Proprietary Core Microcontroller
8	MB96F612ABPMC-GS-122E1	CY96F612ABPMC-GS-122UJE1	16-bit Proprietary Core Microcontroller
9	MB96F613ABPMC-GS-131E1	CY96F613ABPMC-GS-131UJE1	16-bit Proprietary Core Microcontroller
10	MB96F613RBPMC-GS-129E2	CY96F613RBPMC-GS-129UJE2	16-bit Proprietary Core Microcontroller
11	MB96F613RBPMC-GS-130E2	CY96F613RBPMC-GS-130UJE2	16-bit Proprietary Core Microcontroller
12	MB96F613RBPMC-GS-132E2	CY96F613RBPMC-GS-132UJE2	16-bit Proprietary Core Microcontroller
13	MB96F635RBPMC-GSAE1	CY96F635RBPMC-GSA-UJE1	16-bit Proprietary Core Microcontroller
14	MB96F635RBPMC-GSE1	CY96F635RBPMC-GS-UJE1	16-bit Proprietary Core Microcontroller
15	MB96F635RBPMC-GSE2	CY96F635RBPMC-GS-UJE2	16-bit Proprietary Core Microcontroller
16	MB96F635RBPMC-GS-N2E1	CY96F635RBPMC-GS-UJE1	16-bit Proprietary Core Microcontroller
17	MB96F636RBPMC-GSE1	CY96F636RBPMC-GS-UJE1	16-bit Proprietary Core Microcontroller
18	MB96F636RBPMC-GSE2	CY96F636RBPMC-GS-UJE2	16-bit Proprietary Core Microcontroller
19	MB96F636RBPMC-GS-F4E1	CY96F636RBPMC-GS-UJF4E1	16-bit Proprietary Core Microcontroller
20	MB96F636RBPMC-GS-N2E1	CY96F636RBPMC-GS-UJE1	16-bit Proprietary Core Microcontroller
21	MB96F636RBPMC-GS-N2E2	CY96F636RBPMC-GS-UJE2	16-bit Proprietary Core Microcontroller
22	MB96F637RBPMC-GSE1	CY96F637RBPMC-GS-UJE1	16-bit Proprietary Core Microcontroller
23	MB96F637RBPMC-GS-F4E1	CY96F637RBPMC-GS-UJF4E1	16-bit Proprietary Core Microcontroller
24	MB96F643ABPMC-GS-102E1	CY96F643ABPMC-GS-102UJE1	16-bit Proprietary Core Microcontroller
25	MB96F643ABPMC-GSE1	CY96F643ABPMC-GS-UJE1	16-bit Proprietary Core Microcontroller
26	MB96F643RBPMC-GSE1	CY96F643RBPMC-GS-UJE1	16-bit Proprietary Core Microcontroller
27	MB96F645ABPMC-GS-JAE2	CY96F645ABPMC-GS-UJE2	16-bit Proprietary Core Microcontroller
28	MB96F646RBPMC-GS-103JAE2	CY96F646RBPMC-GS-103UJE2	16-bit Proprietary Core Microcontroller
29	MB96F646RBPMC-GS-104JAE2	CY96F646RBPMC-GS-104UJE2	16-bit Proprietary Core Microcontroller
30	MB96F646RBPMC-GS-105JAE2	CY96F646RBPMC-GS-105UJE2	16-bit Proprietary Core Microcontroller
31	MB96F646RBPMC-GS-106JAE2	CY96F646RBPMC-GS-106UJE2	16-bit Proprietary Core Microcontroller
32	MB96F646RBPMC-GSAE1	CY96F646RBPMC-GSA-UJE1	16-bit Proprietary Core Microcontroller
33	MB96F646RBPMC-GSE1	CY96F646RBPMC-GS-UJE1	16-bit Proprietary Core Microcontroller
34	MB96F646RBPMC-GS-F4E1	CY96F646RBPMC-GS-UJF4E1	16-bit Proprietary Core Microcontroller
35	MB96F646RBPMC-GS-JAE2	CY96F646RBPMC-GS-UJE2	16-bit Proprietary Core Microcontroller
36	MB96F646RBPMC-GS-N2E1	CY96F646RBPMC-GS-UJE1	16-bit Proprietary Core Microcontroller
37	MB96F647RBPMC-GSAE1	CY96F647RBPMC-GSA-UJE1	16-bit Proprietary Core Microcontroller
38	MB96F647RBPMC-GSE1	CY96F647RBPMC-GS-UJE1	16-bit Proprietary Core Microcontroller
39	MB96F647RBPMC-GSE2	CY96F647RBPMC-GS-UJE2	16-bit Proprietary Core Microcontroller
40	MB96F647RBPMC-GS-F4E1	CY96F647RBPMC-GS-UJF4E1	16-bit Proprietary Core Microcontroller
41	MB96F647RBPMC-GS-N2E2	CY96F647RBPMC-GS-UJE2	16-bit Proprietary Core Microcontroller
42	MB96F683ABPMC-GS-121JAE1	CY96F683ABPMC-GS-121UJE1	16-bit Proprietary Core Microcontroller
43	MB96F683ABPMC-GS-122JAE1	CY96F683ABPMC-GS-122UJE1	16-bit Proprietary Core Microcontroller
44	MB96F683ABPMC-GS-123JAE1	CY96F683ABPMC-GS-123UJE1	16-bit Proprietary Core Microcontroller
45	MB96F693ABPMC-GS-114E2	CY96F693ABPMC-GS-114UJE2	16-bit Proprietary Core Microcontroller
46	MB96F6C6RBPMC-GS-115E1	CY96F6C6RBPMC-GS-115UJE1	16-bit Proprietary Core Microcontroller