



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

## PRODUCT CHANGE NOTIFICATION

**PCN:** PCN201103

**Date:** March 16, 2020

**Subject:** Qualification of Fab 25 as an Additional Wafer Fab Site 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 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 3 (GR3-C) in APCN173705C.

Changes	Current	New
Wafer Fab Site	ON Semiconductor Aizu Co., Ltd, Japan	Fab 25, USA
Part Number	MB***	CY***
Logo Marking	F-logo or Spansion logo	No logo

### Benefit of Change:

Qualification of alternate manufacturing sites are 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: 12

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](http://www.cypress.com) and typing the QTP number in the keyword search window.

QTP Number	Qualification
172504	Microcontrollers with Flash, 180nmTechnology (CU80F), Fab 25
184406	ATJ(former JD) Usuki Fab 25 Qual Report
002-29698	AECQ100 Qual Report - Fab25 180nm Technology (CU80F) Product, Grade-1 -40 to 125°C, Grade-2 -40 to 105°C

**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 Fab25 sample ordering part numbers. 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:**

The MB part numbers listed in attached file will be supported according to the Last Time Buy (LTB) and Last Time Ship (LTS) dates provided. The new Cypress marketing part number part will be open for order entry after the inventory on the MB part is depleted. Your Cypress Sales Representative will be in touch with you during the LTB phase to manage the backlog transition from MB marketing part number to CY marketing part number, depending on inventory depletion levels.

**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](mailto:pcn_adm@cypress.com).

Sincerely,

Cypress PCN Administration

Item	Marketing Part Number	Sample/Replacement Ordering Part Number	Last Time Buy Date for Old MB MPN	Last Time Ship Date for Old MB MPN
1	MB96F346ASBPQC-GE2	CY96F346ASBPQC-G-UJE2	7-Oct-20	14-Jun-21
2	MB96F346ASBPQC-G-N2E2	CY96F346ASBPQC-G-UJE2	7-Oct-20	14-Jun-21
3	MB96F346RSAPQCR-GSE2	CY96F346RSAPQCR-GS-UJE2	7-Oct-20	14-Jun-21
4	MB96F346RSAPQCR-GS-N2E2	CY96F346RSAPQCR-GS-UJE2	7-Oct-20	14-Jun-21
5	MB96F346RSBPQC-GSE2	CY96F346RSBPQC-GS-UJE2	7-Oct-20	14-Jun-21
6	MB96F346RSBPQC-GS-N2E2	CY96F346RSBPQC-GS-UJE2	7-Oct-20	14-Jun-21
7	MB96F346RWBPQC-GSE2	CY96F346RWBPQC-GS-UJE2	7-Oct-20	14-Jun-21
8	MB96F346RWBPQC-GS-N2E2	CY96F346RWBPQC-GS-UJE2	7-Oct-20	14-Jun-21
9	MB96F347RSAPQCR-GS-ERE2	CY96F347RSAPQCR-GSUJERE2	7-Oct-20	14-Jun-21
10	MB96F348RSBPQC-GSE2	CY96F348RSBPQC-GS-UJE2	7-Oct-20	14-Jun-21
11	MB96F348RSBPQC-GS-N2E2	CY96F348RSBPQC-GS-UJE2	7-Oct-20	14-Jun-21
12	MB96F348RSBPQCR-GS-ERE2	CY96F348RSBPQCR-GSUJERE2	7-Oct-20	14-Jun-21