



Cypress Semiconductor Corporation – An Infineon Technologies Company
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PRODUCT CHANGE NOTIFICATION

PCN: PCN205104A

Date: February 11, 2021

Subject: Addendum to PCN205104 - Qualification of UMC as an Additional Wafer Fab Site for Select Automotive Grade-3 8Mb MoBL® SRAM Products

Change Type: Major

Description of Change:

The purpose of this addendum is to update the address of UMC's wafer fab site and to issue a clarification on the marking changes in the "Method of Identification" section in PCN205104. This addendum additionally announces an update in the manufacturing sites and Bill of Materials (BOM) for the alternative 65nm products from UMC.

Cypress announced the qualification of UMC's 65nm (No. 18, Nanke 2nd Rd., Tainan Science Park, Xinshi Dist., Tainan City 74147, Taiwan, R.O.C.) as an alternate wafer fab site for select 90nm 2.2V – 3.6V Automotive Grade-3 8Mb MoBL® products. The 65nm products are drop-in replacement parts and form, fit, and function compatible with the 90nm 8Mb Async MoBL SRAM products manufactured at Skywater, Minnesota. The changes to the manufacturing sites and BOM for the qualified 65nm products have been documented in the attachment to this notification.

There are some updates to certain DC specifications, including a revision in the V_{CC} operating supply current at $f = 1\text{MHz}$ (I_{CC}) at 85°C from 3mA to 7mA and data retention current (I_{CCDR}) at 85°C from $5\mu\text{A}$ to $8\mu\text{A}$. The updated product datasheet is attached to this notification and can be downloaded from the Cypress Website (www.cypress.com). There is no change to the existing marketing part numbers.

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: 8

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 wafer fab site has been qualified through a series of tests documented in the Qualification Test Plan QTP#193506. 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 UMC 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 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 UMC or other approved wafer fabrication sites.

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

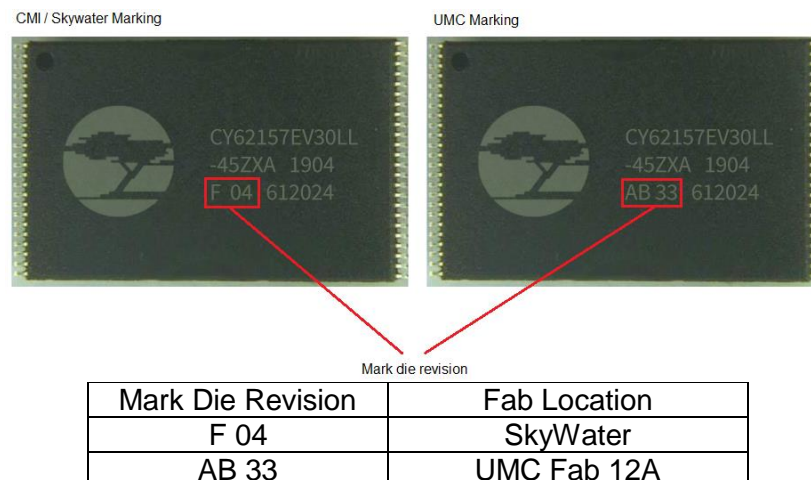
Anticipated Impact:

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.



The product marking images shown are for illustration purposes only and may not be an exact representation of the product.

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

- 1 CY62157EV30LL-45BVXA
- 2 CY62157EV30LL-45BVXAT
- 3 CY62157EV30LL-45ZSXA
- 4 CY62157EV30LL-45ZSXAT
- 5 CY62157EV30LL-45ZXAX
- 6 CY62157EV30LL-45ZXAT
- 7 CS7978AA
- 8 CS7978AAT