



Cypress Semiconductor Corporation, 198 Champion Court, San Jose, CA 95134. Tel: (408) 943-6200

## PRODUCT CHANGE NOTIFICATION

**PCN:**PCN195005

**Date:** December 11, 2019

**Subject:** Qualification of UMC as an Alternate Wafer Fab Site for Select Industrial-Grade 64Mb MoBL SRAM Products

### **Description of Change:**

Cypress announces the qualification of UMC's 65nm (No. 3, Li-Hsin 2nd Rd., Hsinchu Science Park, Hsinchu, Taiwan, R.O.C.) as an alternate wafer fab site for select 90nm 2.2V - 3.6V industrial grade 64Mb MoBL™ product. The 65nm products are drop-in replacement parts and form, fit, and function compatible with the 90nm 64Mb Async MoBL SRAM products manufactured at Skywater, Minnesota.

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 9mA to 38mA and the corresponding current at 25°C from 7.5mA to 15mA. The updated product datasheet is attached to this notification and can be downloaded from the Cypress Website ([www.cypress.com](http://www.cypress.com)). There is no change to the existing marketing part numbers.

### **Benefit of Change:**

Qualification of alternate manufacturing sites and technologies is part of Cypress' ongoing flexible manufacturing initiative. 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: 4**

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 technology has been qualified through a series of tests documented in the Qualification Test Plan QTP#192901. This qualification report can be found as an attachment to this PCN or by visiting [www.cypress.com](http://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 sample ordering part numbers. 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 will be fabricated at either SkyWater or UMC.

**Anticipated Impact:**

Products fabricated at UMC are completely compatible with the existing product from a form, fit, function, quality, performance and parametric 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**

- 1 CY62187EV30LL-55BAXI
- 2 CY62187EV30LL-55BAXIT
- 3 CG8953AM
- 4 CG8953AMT