



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

## PRODUCT CHANGE NOTIFICATION

**PCN:** PCN193806

**Date:** September 17, 2019

**Subject:** Qualification of UMC as an Alternate Wafer Fab Site for Select 16Mb MoBL SRAM Products

**To:** TOKYO ELECTRON DEVICE  
TELDEVICE  
cy-inside@teldevice.co.jp

**Change Type:** Major

### 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 16Mb Async MoBL SRAM products. The 65nm product is form, fit and function compatible with the 90nm 16Mb Async MoBL SRAM products manufactured at Skywater, Minnesota. There will be 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.

### Affected Part Numbers: 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:

LL65 (65nm) technology at UMC was previously qualified through a series of tests identified in the QTP#124902. The new product has been qualified through a series of tests identified in the Qualification Test Plan QTP#181403. The QTP report can be found as attachments to this notification or by visiting [www.cypress.com](http://www.cypress.com), 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, 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