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## PRODUCT CHANGE NOTIFICATION

**PIN:** PCN161201

**Date:** March 29, 2016

**Subject:** 18Mb Standard Sync and NoBL SRAM Products: Technology Transition from 90nm to 65nm Process

**To:** General Inbox  
NEWARK  
Productchangenotices@newark.com

**Change Type:** Major

### Description of Change:

Cypress is pleased to announce the transition of the 18Mb Standard and NoBL series of Synchronous SRAM products from 90nm to the 65nm process technology node at our partner fab United Micro Electronics Corporation (UMC) in Tainan, Taiwan. This change is consistent with Cypress's history of line-width reduction.

Cypress will be discontinuing the existing 90nm products. The new 65nm products are drop-in replacement parts and form, fit, and function compatible with the 90nm products. The list of affected part numbers, replacement part numbers, Next best alternatives, Last Time Buy (LTB) and Last Time Ship (LTS) dates are provided in the attached 'Affected Parts List' file.

### Benefit of Change:

The 65nm products offer higher reliability and lower active and standby currents. Refer to the attached pdf file for the basic differences between the 90nm and 65nm products.

**Affected Part Numbers:** 103

**Affected Parts:** Please refer to attached 'Affected Parts List' file.

### Qualification Status:

The 65nm products have been qualified through a series of tests identified in the Qualification Test Plan (QTP) Report 152402. The qualification report can be found in the attachment to this notification or by visiting [www.cypress.com](http://www.cypress.com) and typing the QTP number in the keyword search window.

### Sample Status:

Qualification samples are not built ahead of time for all part numbers affected by this change. Please refer to attached 'Affected Parts List' file for the list of older technology parts and their corresponding 65-nanometer replacement parts. If you require qualification samples, please contact your sales representative as soon as possible, but within 30 days of the date of this PCN.

**Approximate Implementation Date:**

This change will be implemented from the date of this notification. The 90nm 18M Standard Sync and NoBL products listed in attached file are subject to End of Life (EOL) with the Last Time Buy (LTB) and Last Time Ship (LTS) dates.

**Anticipated Impact:**

The 65nm products are completely compatible with existing product from a functional, parametric, quality and reliability performance perspective, however the customer will need to update their ordering process with the new 65nm part numbers as found in the attached spreadsheet.

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:**

65nm ordering part numbers will include a 'KV' next to the base part number. For example, the 65nm replacement of the 90nm part CY7C1370D-167AXI will be the CY7C1370KV33-167AXI. Please refer to [www.cypress.com/products](http://www.cypress.com/products) for datasheets and a complete listing of the 65nm 18Mb Standard Sync and NoBL products.

Cypress maintains traceability of product to the wafer level, including wafer fabrication location, through the lot number marked on the package.

**Response Required:**

No response is required. Customers are encouraged to take note of the LTB and LTS dates indicated in the attachment, and plan to convert to the 65nm products prior to the obsolescence of the 90nm products.

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