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PRODUCT INFORMATION NOTIFICATION

PIN: PIN181004

Date: March 15, 2018

Subject: Qualification of Cypress Bangkok as an Additional Test and Finish Site for Select 165 Ball Grid Array (BGA) Synchronous SRAM Products

To: TOKYO ELECTRON DEVICE

Change Type: Minor

Description of Change:

Cypress announces the qualification of Cypress Bangkok as an additional test and finish site for select 165 Ball Grid Array (BGA) Synchronous SRAM products. Cypress Bangkok is a world-class assembly facility, qualified to build standard grade as well as automotive grade products consistent with AEC-Q100. Cypress Bangkok is certified to several international quality standards, including ISO/TS16949, OHSAS18001 and ANSI/ESD S20.20. The qualification of this facility will enable Cypress to have turnkey process solutions to meet our customers' stringent quality and reliability requirements in our effort to continually provide world-class service.

There are no changes to ordering part numbers. Product datasheets remain the same and can be downloaded from the Cypress Website (www.cypress.com).

Benefit of Change:

This qualification is part of Cypress's continuous improvement in our flexible manufacturing initiative providing Cypress with the added capability to meet upside market demand, reduce business continuity risk, and ensure consistent and reliable delivery to customers in dynamic, changing market conditions.

Part Numbers Affected: 340

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 PIN will include all changes outlined in this PIN.

Qualification Status:

This change has been qualified through a series of tests documented in the Qualification Test Plan (QTP) #171011 for test process and (QTP) #171804 for finish process. These qualification reports can be found as an attachment to this PIN.

Approximate Implementation Date:

This change will be implemented effective with the date of this notification.

Anticipated Impact:

Products manufactured are completely compatible with existing product from a 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:

This is an information only announcement. 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