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PRODUCT CHANGE NOTIFICATION

PCN:PCN201006

Date: March 12, 2020

Subject: Qualification of UMC as an Alternate Wafer Fab Site for Select Industrial-Grade 8Mb MoBL™ SRAM Products

To:

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 1.65V – 3.6V industrial grade 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.

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 $8\mu\text{A}$ for the 3.0V device and from $3\mu\text{A}$ to $9\mu\text{A}$ for the 1.8V device. The updated product datasheets are 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 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: 22

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#193601. 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 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:

None anticipated. Products manufactured at UMC are completely compatible with existing product 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.

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	Sample Order Part Number	Sample Availability
1	CY62157EV18LL-55BVXI	CY62157EV18LL9-55BVXI	Subject to leadtime
2	CY62157EV18LL-55BVXIT	CY62157EV18LL9-55BVXI	Subject to leadtime
3	CY62157EV30LL-45BVXI	CY62157EV30LL9-45BVXI	Available
4	CY62157EV30LL-45BVXIT	CY62157EV30LL9-45BVXI	Available
5	CY62157EV30LL-45ZSXI	CY62157EV30LL9-45ZSXI	Available
6	CY62157EV30LL-45ZSXIT	CY62157EV30LL9-45ZSXI	Available
7	CY62157EV30LL-45ZXI	CY62157EV30LL9-45ZXI	Available
8	CY62157EV30LL-45ZXIT	CY62157EV30LL9-45ZXI	Available
9	CY62158EV30LL-45BVXI	CY62158EV30LL9-45BVXI	Available
10	CY62158EV30LL-45BVXIT	CY62158EV30LL9-45BVXI	Available
11	CY62158EV30LL-45ZSXI	CY62158EV30LL9-45ZSXI	Available
12	CY62158EV30LL-45ZSXIT	CY62158EV30LL9-45ZSXI	Available
13	CG8610AA	CY62157EV30LL9-45BVXI	Available
14	CG8610AAT	CY62157EV30LL9-45BVXI	Available
15	CG8237AAT	CY62157EV30LL9-45BVXI	Available
16	CG8238AA	CY62157EV30LL9-45ZXI	Available
17	CG8888AM	CY62158EV30LL9-45ZSXI	Available
18	CG8888AMT	CY62158EV30LL9-45ZSXI	Available
19	CG8984AM	CY62157EV30LL9-45BVXI	Available
20	CG8984AMT	CY62157EV30LL9-45BVXI	Available
21	CG8985AM	CY62157EV30LL9-45ZSXI	Available
22	CG8985AMT	CY62157EV30LL9-45ZSXI	Available