



Cypress Semiconductor Corporation – An Infineon Technologies Company
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PRODUCT CHANGE NOTIFICATION

PCN:PCN203801

Date: September 16, 2020

Subject: Qualification of UMC as an Alternate Wafer Fab Site for Select Industrial Grade 4Mb 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 2.2V – 3.6V and 4.5V – 5.5V industrial grade 4Mb MoBL® products. The 65nm products are drop-in replacement parts and form, fit, and function compatible with the 90nm 4Mb 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.

Part Numbers Affected: 29

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 Qualification Test Plan QTP#192409. 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 or upon customer approval, whichever comes first, all shipments of Commercial, Industrial and Automotive non-PPAP part numbers in the attached file will be fabricated at either SkyWater or UMC.

Anticipated Impact:

None anticipated. Products fabricated at UMC 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:

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	Family	Sample Ordering Part Number	Sample Availability
1	CY62146ELL-45ZSXI	ASync	CY62146ELL9-45ZSXI	Subject to leadtime
2	CY62146ELL-45ZSXIT	ASync	CY62146ELL9-45ZSXI	Subject to leadtime
3	CY62146ESL-45ZSXI	ASync	CY62146ESL9-45ZSXI	Available
4	CY62146ESL-45ZSXIT	ASync	CY62146ESL9-45ZSXI	Available
5	CY62146EV30LL-45BVXI	ASync	CY62146EV30LL9-45BVXI	Subject to leadtime
6	CY62146EV30LL-45BVXIT	ASync	CY62146EV30LL9-45BVXI	Subject to leadtime
7	CY62146EV30LL-45ZSXI	ASync	CY62146EV30LL9-45ZSXI	Available
8	CY62146EV30LL-45ZSXIT	ASync	CY62146EV30LL9-45ZSXI	Available
9	CY621472E30LL-45ZSXI	ASync	CY621472E30LL9-45ZSXI	Subject to leadtime
10	CY621472E30LL-45ZSXIT	ASync	CY621472E30LL9-45ZSXI	Subject to leadtime
11	CY62147EV30LL-45B2XI	ASync	CY62147EV30LL9-45B2XI	Subject to leadtime
12	CY62147EV30LL-45B2XIT	ASync	CY62147EV30LL9-45B2XI	Subject to leadtime
13	CY62147EV30LL-45BVXI	ASync	CY62147EV30LL9-45BVXI	Available
14	CY62147EV30LL-45BVXIT	ASync	CY62147EV30LL9-45BVXI	Available
15	CY62147EV30LL-45ZSXI	ASync	CY62147EV30LL9-45ZSXI	Available
16	CY62147EV30LL-45ZSXIT	ASync	CY62147EV30LL9-45ZSXI	Available
17	CG7689AA	ASync	CY62146EV30LL9-45ZSXI	Available
18	CG7689AAT	ASync	CY62146EV30LL9-45ZSXI	Available
19	CG7690AA	ASync	CY62147EV30LL9-45ZSXI	Available
20	CG7690AAT	ASync	CY62147EV30LL9-45ZSXI	Available
21	CG7780AA	ASync	CY62146EV30LL9-45BVXI	Subject to leadtime
22	CG8187AA	ASync	CY621472E30LL9-45ZSXI	Subject to leadtime
23	CG8187AAT	ASync	CY621472E30LL9-45ZSXI	Subject to leadtime
24	CG8202AA	ASync	CY62147EV30LL9-45BVXI	Available
25	CG8202AAT	ASync	CY62147EV30LL9-45BVXI	Available
26	CG8830AM	ASync	CY62146EV30LL9-45ZSXI	Available
27	CG8830AMT	ASync	CY62146EV30LL9-45ZSXI	Available
28	CG9079AA	ASync	CY62147EV30LL9-45ZSXI	Available
29	CG9079AAT	ASync	CY62147EV30LL9-45ZSXI	Available