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PRODUCT CHANGE NOTIFICATION

PCN: PCN152502

Date: June 18, 2015

Subject: 36Mb Standard Sync and NoBL SRAM Products: Technology Transition from 90nm to 65nm Process

To: PCN ADMIN
CYPRESS
pcn_admin@cypress.com

Description of Change:

Cypress is pleased to announce the transition of the 36Mb Standard and NoBL series of Synchronous SRAM products the 90nm to the 65nm process technology node at our partner UMC in Taiwan.

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: 49

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 144504. The qualification report can be found as an attachment to this notification or by visiting www.cypress.com and typing the QTP number in the keyword search window.

Sample Status:

Samples are available for the 65nm products. Please contact your Sales Representative as soon as possible within 30 days of the date of this PCN, to place any sample orders.

Other 90nm Standard Sync and NoBL products that are not listed in the attached 'Affected Parts List' file are not affected by this change. Please contact your local Sales Representative if you need additional information.

Approximate Implementation Date:

This change will be implemented from the date of this notification. The 90nm 36M 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 product 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 for the 65nm ordering part numbers as found in the attached spreadsheet.

Cypress also recommends that customers take this opportunity to review the product datasheet and any applicable application notes to their system design and environment conditions to assess any impact to their application.

Method of Identification:

65nm ordering part numbers will include a 'K' next to the base part number. For example, the 65nm replacement of the 90nm part CY7C1440AV33-250BZXI will be the CY7C1440KV33-250BZXI. Please refer to www.cypress.com/products for datasheets and a complete listing of the 65nm 36Mb 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.

Sincerely,

Cypress PCN Administration

Item	Marketing Part Number	Last Time Buy Date	Last Time Ship Date
1	CY7C1440AV25-167BZXC	4/6/2016	10/3/2016
2	CY7C1440AV25-250BZXI	4/6/2016	10/3/2016
3	CY7C1440AV25-250BZXIT	4/6/2016	10/3/2016
4	CY7C1440AV33-167AXC	4/6/2016	10/3/2016
5	CY7C1440AV33-250AXC	4/6/2016	10/3/2016
6	CY7C1440AV33-250AXI	4/6/2016	10/3/2016
7	CY7C1440AV33-250BZXI	4/6/2016	10/3/2016
8	CY7C1441AV25-133BZXI	4/6/2016	10/3/2016
9	CY7C1441AV25-133BZXIT	4/6/2016	10/3/2016
10	CY7C1441AV33-133AXC	4/6/2016	10/3/2016
11	CY7C1441AV33-133AXI	4/6/2016	10/3/2016
12	CY7C1441AV33-133AXIT	4/6/2016	10/3/2016
13	CY7C1441AV33-133BZI	4/6/2016	10/3/2016
14	CY7C1441AV33-133BZXI	4/6/2016	10/3/2016
15	CY7C1444AV33-167AXC	4/6/2016	10/3/2016
16	CY7C1444AV33-250AXI	4/6/2016	10/3/2016
17	CY7C1446AV25-250BGI	4/6/2016	10/3/2016
18	CY7C1460AV25-167AXC	4/6/2016	10/3/2016
19	CY7C1460AV25-167AXCT	4/6/2016	10/3/2016
20	CY7C1460AV25-167BZC	4/6/2016	10/3/2016
21	CY7C1460AV25-167BZCT	4/6/2016	10/3/2016
22	CY7C1460AV25-167BZXI	4/6/2016	10/3/2016
23	CY7C1460AV25-200BZI	4/6/2016	10/3/2016
24	CY7C1460AV25-200BZXC	4/6/2016	10/3/2016
25	CY7C1460AV25-200BZXI	4/6/2016	10/3/2016
26	CY7C1460AV25-250AXC	4/6/2016	10/3/2016
27	CY7C1460AV33-167AXC	4/6/2016	10/3/2016
28	CY7C1460AV33-167AXCT	4/6/2016	10/3/2016
29	CY7C1460AV33-167AXI	4/6/2016	10/3/2016
30	CY7C1460AV33-167BZC	4/6/2016	10/3/2016
31	CY7C1460AV33-1XWI	4/6/2016	10/3/2016
32	CY7C1460AV33-200AXC	4/6/2016	10/3/2016
33	CY7C1460AV33-200AXCT	4/6/2016	10/3/2016
34	CY7C1460AV33-250AXC	4/6/2016	10/3/2016
35	CY7C1460AV33-250AXI	4/6/2016	10/3/2016
36	CY7C1460BV25-250BZXC	4/6/2016	10/3/2016
37	CY7C1461AV33-133AXC	4/6/2016	10/3/2016

38	CY7C1461AV33-133AXCT	4/6/2016	10/3/2016
39	CY7C1461AV33-133AXI	4/6/2016	10/3/2016
40	CY7C1462AV25-167BZI	4/6/2016	10/3/2016
41	CY7C1462AV25-200AXC	4/6/2016	10/3/2016
42	CY7C1462AV25-200AXCT	4/6/2016	10/3/2016
43	CY7C1462AV33-167AXC	4/6/2016	10/3/2016
44	CY7C1462AV33-167AXCT	4/6/2016	10/3/2016
45	CY7C1462AV33-200AXI	4/6/2016	10/3/2016
46	CY7C1462BV25-250AXC	4/6/2016	10/3/2016
47	CY7C1462BV25-250BZXC	4/6/2016	10/3/2016
48	CY7C1463AV33-133AXC	4/6/2016	10/3/2016
49	CY7C1463BV33-133AXI	4/6/2016	10/3/2016

Replacement Part Number (65nm)	Next Best Alternative (65nm)
CY7C1440KV25-250BZXI	None
CY7C1440KV25-250BZXI	None
CY7C1440KV25-250BZXIT	None
CY7C1440KV33-250AXC	None
CY7C1440KV33-250AXC	None
None	CY7C1440KV33-250AXC
CY7C1440KV33-250BZXI	None
CY7C1441KV25-133BZXI	None
CY7C1441KV25-133BZXIT	None
CY7C1441KV33-133AXC	None
CY7C1441KV33-133AXI	None
CY7C1441KV33-133AXI	None
None	CY7C1441KV33-133AXI
None	CY7C1441KV33-133AXI
CY7C1444KV33-250AXC	None
None	CY7C1444KV33-250AXC
None	CY7C1440KV25-250BZXI
CY7C1460KV25-167AXC	None
CY7C1460KV25-167AXCT	None
CY7C1460KV25-167BZC	None
CY7C1460KV25-167BZCT	None
CY7C1460KV25-167BZXI	None
CY7C1460KV25-200BZI	None
None	CY7C1460KV25-200BZXI
CY7C1460KV25-200BZXI	None
CY7C1460KV25-250AXC	None
CY7C1460KV33-167AXC	None
CY7C1460KV33-167AXCT	None
CY7C1460KV33-167AXI	None
CY7C1460KV33-167BZC	None
CY7C1460KV33-1XWI	None
CY7C1460KV33-200AXC	None
CY7C1460KV33-200AXCT	None
CY7C1460KV33-250AXI	None
CY7C1460KV33-250AXI	None
None	CY7C1460KV25-200BZXI
CY7C1461KV33-133AXC	None

CY7C1461KV33-133AXCT	None
None	CY7C1461KV33-133AXC
CY7C1462KV25-167BZI	None
CY7C1462KV25-200AXC	None
CY7C1462KV25-200AXCT	None
CY7C1462KV25-200AXC	None
CY7C1462KV25-200AXCT	None
None	CY7C1462KV25-200AXC
None	CY7C1462KV25-200AXC
None	CY7C1462KV25-200AXC
CY7C1463KV33-133AXC	None
None	CY7C1463KV33-133AXC