

FINAL PRODUCT CHANGE NOTIFICATION**PCN:** PCN040054**DATE:** June 8, 2004**Subject:** 4Mb, 3V, 0.15 micron, Slow Asynchronous SRAM Technology Conversion and Package Change**To:****Description of Change:**

Technology Conversion:

The 4Mb, 3V, Slow Asynchronous (Micropower) devices are being converted from the RAM7, 0.15 micron, 'C' revision to RAM8, 0.13 micron, 'D' revision. The 'D' revision products have been qualified by Cypress.

Voltage range of the 'D' revision is being extended from the current 2.7V - 3.3V to 2.2V - 3.6V to allow a wider range of applications.

This change is being reflected in the datasheets of the 'D' revision devices which can be downloaded from the Cypress website (www.cypress.com), by typing the part number in the search field and clicking 'Go'.

Package Change:

The 'C' revision was offered in two package styles: A Fine Pitch BGA (7x8.5x1.2mm, 'BA' package code in the Cypress part numbering system) as well as a Very Fine BGA (6x8x1mm, 'BV' package code in the Cypress part numbering system), with identical ball footprints.

The 'D' revision will only be offered in Very Fine BGA.

Part Number Change:

In order to minimize the risk of errors in part number conversion, please see for reference the 'Part Ordering Key', page 3, that can be accessed at www.cypress.com under the 'Product' tab.

The 'Part Numbers Affected' table below provides the replacement part numbers for all current products. Some replacement part numbers reflect only a die revision change from 'C' to 'D' whereas others reflect both a die revision change and a package change from the 'BA' package code for Fine Pitch BGA to the 'BV' package code for Very Fine BGA.

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For example, the CY62147CV30LL-70BAI will be converted to CY62147DV30L(L)-70BVI.

Benefit of Change: Since its foundation, Cypress has been introducing finer line-width CMOS technologies every 18 to 24 months to continue providing cost competitive products. While we recognize the burden to our customers of new qualifications, we believe the continued introduction of new technologies is in their best interest.

Part Numbers Affected:
Affected Parts: 24

Affected Part	Description
CS5854ATT	Contact sales for the new part number
CY62146CV30LL-70BAI	CY62146DV30L(L)-70BVI
CY62148CV30LL-55BAI	CY62148DV30L(L)-55BVI
CY62148CV30LL-70BVI	CY62148DV30L(L)-70BVI
CY62148CV30LL-70BVIT	CY62148DV30L(L)-70BVIT
CY62147CV30-2XWI	CY62147DV30-2XWI
CY62145CV-2XWI	CY62145DV30-2XWI
CY62147CV30LL-55BVI	CY62147DV30L(L)-55BVI
CY62147CV30LL-55BVIT	CY62147DV30L(L)-55BVIT
CY62146CV30LL-70BAIT	CY62146DV30L(L)-70BVIT
CY62148CV30LL-55BAIT	CY62148DV30L(L)-55BVIT
CY62140CV-3XWI	CY62140DV30-3XWI
CY62148CV30LL-55BVI	CY62148DV30L(L)-55BVI
CY621451CV-2XWI	CY621451DV30-2XWI
CY62148CV30LL-55BVIT	CY62148DV30L(L)-55BVIT
CY621452CV-2XWI	CY621452DV30-2XWI
CY62148CV30LL-70BAI	CY62148DV30L(L)-70BVI
CY62148CV30LL-70BAIT	CY62148DV30L(L)-55BVIT
CY62145CVI-2XWI	Contact sales for the new part number
CY62147CV30LL-70BAI	CY62147DV30L(L)-70BVI
CY62147CV30LL-70BAIT	CY62147DV30L(L)-70BVIT
CY62147CV30LL-70BVI	CY62147DV30L(L)-70BVI
CS5854AT	Contact sales for the new part number
CY62147CV30LL-70BVIT	CY62147DV30L(L)-55BVIT

Customer Part Numbers Affected:
Qualification Status:

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The product meets Cypress qualification requirements. Refer to the attached qualification report (file name:QTP041406.pdf) for more details.

Sample Status:

Samples are available. Please contact your local sales representative.

Approximate Implementation Date:

The new 'D' revision is available for shipment in June, 2004. The last date to place an order for the old 'C' revision is August 9, 2004 and the last ship date is November 9, 2004. For last time buys, please contact your local sales representative.

Anticipated Impact:

Customers who need to qualify the new revision are advised to request samples.

Method Of Identification:

The new RAM8 devices will have the designation 'D' for die revision, in place of the current 'C' die revision designation.

Response Required:

Your company does not require written approval.

For additional information regarding this change, contact your local sales representative or by E-mail to pcn_adm@cypress.com

Sincerely,

Mae Abiera
PCN Process Manager