

**FINAL PRODUCT CHANGE NOTIFICATION****PCN:** PCN040055**DATE:** May 30, 2004**Subject:** 8Mb, 3V and 3.3V, Slow Asynchronous SRAM Technology Conversion and Package Change**To:****Description of Change:**

## Technology Conversion:

The 8Mb, 3V and 3.3V, 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.

The 3V, 'C' revision has a voltage range of 2.7V - 3.3V, while the 3.3V has a voltage range of 3.0 - 3.6V. The 'D' revision has a single voltage range, 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](http://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 (6x10x1.2mm, '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](http://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

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BGA.

For example, the CY62157CV30LL-70BAI will be converted to CY62157DV30L(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: 21**

Affected Part	Description
CG5929AA	CY62157DV30L(L)-70BVI
CG5929AAT	CY62157DV30L(L)-70BVIT
CY62158CV30LL-70BAI	CY62158DV30L(L)-70BVI
CY62158CV30LL-70BAIT	CY62158DV30L(L)-70BVIT
CY621551CV-2XWI	CY621551DV30-2XWI
CY62155CV-2XWI	CY62155DV30-2XWI
CY62157CV30LL-70BAIT	CY62157DV30L(L)-70BVIT
CY62155CV-3XWI	CY62155DV30-3XWI
CY62157CV33LL-55BAI	CY62157DV30L(L)-55BVI
CY62155CVI-2XWI	CY62155DV30-2XWI
CY62157CV33LL-55BAIT	CY62157DV30L(L)-55BVIT
CY62157CV33LL-70BAI	CY62157DV30L(L)-70BVI
CY62150CV-3XWI	CY62150DV30-3XWI
CY62157CV33LL-70BAIT	CY62157DV30L(L)-70BVIT
CG6136AT	Contact sales for the new part number
CY62158CV33LL-55BAI	CY62158DV30L(L)-55BVI
CY62158CV33LL-55BAIT	CY62158DV30L(L)-55BVIT
CY62158CV33LL-70BAI	CY62158DV30L(L)-70BVI
CY62158CV33LL-70BAIT	CY62158DV30L(L)-70BVI
CY62157CV30LL-70BAI	CY62157DV30L(L)-70BVI
CG6136ATT	Contact sales for the new part number

**Customer Part Numbers Affected:**
**Qualification Status:**

The product meets Cypress qualification requirements. Refer to the attached qualification report (file name:QTP041302.pdf) for more details.

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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](mailto:pcn_adm@cypress.com)

Sincerely,

Mae Abiera  
PCN Process Manager