

**FINAL PRODUCT CHANGE NOTIFICATION****PCN:** PCN040056**DATE:** June 16, 2004**Subject:** 4Mb, 3V, 0.25 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 RAM5, 0.25 micron, 'V' revision to RAM8, 0.13 micron, 'D' revision. The 'D' revision products have been qualified by Cypress.

The voltage range of the 'D' revision is being extended from the current 2.7V - 3.6V 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](http://www.cypress.com)), by typing the part number in the search field and clicking 'Go'.

Package Change:

The 'V' revision was offered in 2 packages, SOIC and TSOPII. The 'D' revision will be offered in the same packages, but will be available only in the Pb-Free (lead free) version. The Pb-Free packages are backward compatible with the standard packages in the 'V' revision. They have the same form, fit and function.

Part Number Change:

The package code for TSOPII will change from 'Z' in the 'V' revision to 'ZS' in the 'D' revision.

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. The replacement part numbers reflect a die revision change from 'V' to 'D'. The letter 'X' placed to the right of the package code denotes Pb-Free package. Some of the replacement part numbers also reflect a package code change from 'Z' to

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'ZS' for the TSOPII package.

For example, CY62147VLL-70ZI will be converted to CY62147DV30L(L)-70ZSXI.

**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: 14**

Affected Part	Description
CG6072AT	Contact sales for new part number
CG6072ATT	Contact sales for new part number
CY62148VLL-70SI	CY62148DV30L(L)-70SXI
CY62148VLL-70SIT	CY62148DV30L(L)-70SXIT
CY62147VLL-70ZI	CY62147DV30L(L)-70ZSXI
CY62148VLL-70ZIT	CY62148DV30L(L)-70ZSXIT
CY62148VLL-70ZI	CY62148DV30L(L)-70ZSXI
CY62147VLL-70ZIT	CY62147DV30L(L)-70ZSXIT
CY62148VLL-70ZXI	CY62148DV30L(L)-70ZSXI
CY62148VLL-70ZXIT	CY62148DV30L(L)-70ZSXIT
CY62146VLL-70ZIT	CY62146DV30L(L)-70ZSXIT
CY62146VLL-70ZI	CY62146DV30L(L)-70ZSXI
CY62146VLL-70ZXI	CY62146DV30L(L)-70ZSXI
CY62146VLL-70ZXIT	CY62146DV30L(L)-70ZSXIT

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

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 RAM8 devices are available for shipment in June, 2004. The RAM5 devices are currently under allocation. The availability of allocated parts is governed by Cypress allocation process, which is communicated to all the customers through our sales

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organization. The last day to place an order - based on an allocation award - is August 9, 2004. The last ship date is November 9, 2004. The RAM8 devices are not under allocation.

**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 'V' 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