

FINAL PRODUCT CHANGE NOTIFICATION**PCN:** PCN030017**DATE:** April 22, 2003**Subject:** SRAM, 18 Meg Sync Process Technology Changed to RAM7FT-3R**To:****Description of Change:**

The part numbers listed below have been qualified to be transferred from TSMC, 0.15u process to RAM7FD-3R, a 0.15u process in Cypress's Bloomington, MN, Fab 4. This will result in a die shrink.

The marketing part number will be revised to contain the letter "C" after the part number. E.g CY7C1370B-167AC change to CY7C1370C-167AC.

Datasheets for both the old and new part numbers can be downloaded from the Cypress web site.

The major changes are as follows:

1) CY7C1371/CY7C1373/CY7C1381/CY7C1383

* tCHZ(max) for 133 MHz is 4.0ns from 3.8ns.

* tEOHZ(max) for 133MHz is 4.0ns from 3.8ns.

2) All part numbers-

* Output leakage current increased to +/- 5 uA from +/- 2 uA

* ISB1 for Pipeline- 225MHz/200MHz/167MHz going from 100/90/80 to 110/100/90

* ISB1 for Flowthrough- 117MHz/100MHz/83MHz going from 100/90/80 to 110/100/90

Form, fit, and function has remained the same. Qualification report QTP# 030311 is attached.

Benefit of Change: This change will increase the number of good die per wafer resulting in shorter leadtimes and improved availability.

Part Numbers Affected:**Affected Parts: 186**

Affected Part	Description
CY7C1370BV25-167AI	
CY7C1370BV25-167AIT	

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CY7C1372BV25-133AC	
CY7C1370BV25-167BGC	
CY7C1372BV25-133ACT	
CY7C1370BV25-167BGCT	
CY7C1372BV25-133AI	
CY7C1370BV25-167BGI	
CY7C1372BV25-133AIT	
CY7C1372BV25-150AC	
CY7C1370BV25-167BGIT	
CY7C1370BV25-167BZC	
CY7C1372BV25-150ACT	
CY7C1370BV25-200AC	
CY7C1372BV25-167AC	
CY7C1370BV25-200ACT	
CY7C1372BV25-167ACT	
CY7C1370BV25-200BGC	
CY7C1372BV25-167AI	
CY7C1372BV25-167AIT	
CY7C1372BV25-167BGC	
CY7C1381B-100BGI	
CY7C1372BV25-167BGCT	
CY7C1381B-100BGIT	
CY7C1372BV25-167BGI	
CY7C1381B-100BZC	
CY7C1372BV25-167BZC	
CY7C1381B-100BZI	
CY7C1372BV25-200AC	
CY7C1372B-167BGCT	
CY7C1381B-117AC	
CY7C1372B-167BGI	
CY7C1372B-167BGIT	
CY7C1372B-200AC	
CY7C1372B-200ACT	
CY7C1372BV25-200ACT	
CY7C1381B-117ACT	
CY7C1372BV25-200BGC	
CY7C1381B-117BGC	
CY7C1372BV25-200BGCT	
CY7C1381B-117BGCT	
CY7C1372B-133AC	
CY7C1381B-83AC	

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CY7C1372B-133ACT	
CY7C1372B-200BGC	
CY7C1381B-83ACT	
CY7C1372B-200BGCT	
CY7C1371B-100AC	
CY7C1371B-100ACT	
CY7C1371B-100AI	
CY7C1372B-133BGC	
CY7C1381B-100AC	
CY7C1381BV25-100AC	
CY7C1372B-133BGCT	
CY7C1381BV25-100ACT	
CY7C1372B-133BZC	
CY7C1381BV25-100AI	
CY7C1372B-150AC	
CY7C1381BV25-100AIT	
CY7C1372B-150ACT	
CY7C1371B-100AIT	
CY7C1381BV25-117AC	
CY7C1371B-100BGC	
CY7C1371B-100BGCT	
CY7C1371B-100BZC	
CY7C1371B-100BZI	
CY7C1381B-100ACT	
CY7C1381B-100AI	
CY7C1381B-100AIT	
CY7C1381B-100BGC	
CY7C1372B-167AC	
CY7C1381B-100BGCT	
CY7C1381BV25-117ACT	
CY7C1372B-167ACT	
CY7C1380B-167BGI	
CY7C1372B-167AI	
CY7C1380B-167BGIT	
CY7C1372B-167AIT	
CY7C1372B-167BGC	
CY7C1380B-133AC	
CY7C1371B-100BZIT	
CY7C1370B-133AC	
CY7C1380B-133ACT	
CY7C1371B-117AC	

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CY7C1370B-133ACT	
CY7C1371B-117ACT	
CY7C1370B-133AI	
CY7C1371B-117BGC	
CY7C1370B-133AIT	
CY7C1371B-117BGCT	
CY7C1380B-133AI	
CY7C1380B-133AIT	
CY7C1380B-133BGC	
CY7C1370B-133BGC	
CY7C1380B-133BGCT	
CY7C1371B-83AC	
CY7C1370B-133BGCT	
CY7C1380B-150AC	
CY7C1371B-83ACT	
CY7C1370B-133BGI	
CY7C1371BV25-100AC	
CY7C1370B-133BGIT	
CY7C1371BV25-100ACT	
CY7C1370B-133BZC	
CY7C1371BV25-100AI	
CY7C1380B-150ACT	
CY7C1380B-150AI	
CY7C1380B-150AIT	
CY7C1370B-150AC	
CY7C1380B-150BGC	
CY7C1371BV25-100AIT	
CY7C1370B-150ACT	
CY7C1380B-150BGCT	
CY7C1371BV25-100BGC	
CY7C1370B-150BGC	
CY7C1371BV25-100BGCT	
CY7C1370B-150BGCT	
CY7C1371BV25-100BGI	
CY7C1370B-167AC	
CY7C1371BV25-100BGIT	
CY7C1380B-167AC	
CY7C1380B-167ACT	
CY7C1380B-167BGC	
CY7C1370B-167ACT	
CY7C1380B-167BGCT	

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CY7C1370B-167AI	
CY7C1371BV25-117AC	
CY7C1380B-200AC	
CY7C1370B-167AIT	
CY7C1371BV25-117ACT	
CY7C1373B-100AC	
CY7C1370B-167BGC	
CY7C1371BV25-83BGI	
CY7C1373B-100ACT	
CY7C1370B-167BGCT	
CY7C1371BV25-83BGIT	
CY7C1373B-100AI	
CY7C1370B-WAF	
CY7C1373B-100AIT	
CY7C1373B-100BGC	
CY7C1380B-200ACT	
CY7C1380B-200BGC	
CY7C1380B-200BGCT	
CY7C1370B-167BGI	
CY7C1380BV25-133AC	
CY7C1370B-167BGIT	
CY7C1380BV25-133ACT	
CY7C1373B-100BGCT	
CY7C1370B-167BZC	
CY7C1373B-100BGI	
CY7C1370B-200AC	
CY7C1373B-100BGIT	
CY7C1370B-200ACT	
CY7C1373B-100BZC	
CY7C1373B-100BZI	
CY7C1380BV25-167AC	
CY7C1380BV25-167ACT	
CY7C1380BV25-167AI	
CY7C1370B-200BGC	
CY7C1380BV25-167AIT	
CY7C1370B-200BGCT	
CY7C1380BV25-167BGI	
CY7C1373B-117AC	
CY7C1370BV25-133AC	
CY7C1373B-117ACT	
CY7C1370BV25-133ACT	

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CY7C1373B-117BGC	
CY7C1370BV25-133BGC	
CY7C1373B-117BGCT	
CY7C1373BV25-100AC	
CY7C1370BV25-200BGCT	
CY7C1380BV25-167BGIT	
CY7C1380BV25-200AC	
CY7C1380BV25-200ACT	
CY7C1370BV25-133BGCT	
CY7C1380BV25-200BGC	
CY7C1370BV25-150AC	
CY7C1380BV25-200BGCT	
CY7C1373BV25-100ACT	
CY7C1370BV25-150ACT	
CY7C1373BV25-100BGC	
CY7C1370BV25-167AC	
CY7C1373BV25-100BGCT	
CY7C1370BV25-167ACT	
CY7C1373BV25-100BGI	
CY7C1373BV25-100BGIT	

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

Complete. Qualification Report #030311 is attached.

Sample Status:

Samples are available by contacting our local sales office.

Approximate Implementation Date:

Production release of the new material will be phased in immediately or as agreed per your contract terms and conditions.

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

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Sincerely,

Banjie Bautista
PCN Process Manager

John Quist
Director of Quality Systems