

CYPRESS SEMICONDUCTOR

PRODUCT CHANGE NOTIFICATION

PCN: 012949

DATE: July 27, 2001

Subject: SRAM, 4 Meg, 1.8V, Slow Asynchronous Die Change

To:

Description of change:

The part numbers listed below have been qualified to be transferred from R5.2D, 0.25 μ CMOS process, to R7-18, a 0.15 μ CMOS process in Cypress's Bloomington, MN, Fab 4. This will result in a die shrink. The new die revision is A and is marked on the device after the date code.

Data Sheet Changes:

- 1.- The ordering part number has been revised to contain the letter 'C' to designate the new die. (I.e.- CY62147CV18LL-70BAI, CY62147CV18LL-70BAIT, CY62147CV18LL-55BAI).
- 2.-Some electrical parameter limits have changed as described in the "Benefits of Change" section at the bottom of this page. Parameter limits were improved on ICC, ISB2 and ICCDR

New datasheets have been issued to reflect these changes and can be downloaded from the following link:

<http://www.cypress.com/sram/datasheets.html#MoBL™>

No other changes have been made that affect form, fit, or function. Qualification report QTP#012801 is attached.

Cypress part numbers affected:

CY62146BV18*, CY62145BV18*, and CY62147BV18*.

Customer part numbers affected:

Benefit of change:

This new die rev, R7, has been optimized for 55ns and 70ns operation between the voltage range of 1.65V to 1.95V. The active current, standby current, and data retention current values have improved compared to those for the R5.2D process.

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Qualification status:

Complete. Qualification Report #012801 is attached.

Sample status:

Samples are available by contacting our local sales office.

Approximate Implementation Date:

Production release of the new product will be phased in WW0138 or as agreed per your contract terms and conditions.

We encourage conversion to the new revision product as quickly as possible. The old revision product has been discontinued and is available in limited quantities only. Please contact your local sales representative for availability information.

Response Required:

PCN Sent to:

Company:

For any additional information regarding this change, contact your local sales representative.

Sincerely,

Michael Burke
Director of Quality

Kim-Ngan Nguyen
PCN Process Manager