



Product Change Notification

Product Change Notification Number: SC054702

Date: December 2, 2005

Title: 16Mbit Flash Technology Migration

Product Identification:

The change applies to all AT49BV160C(T), AT49BV162A(T) and AT49BV163A(T) device series.

Reason for Change:

- | | | |
|--|--|------------------------------------|
| <input checked="" type="checkbox"/> Design | <input checked="" type="checkbox"/> Processing | <input type="checkbox"/> Logistics |
| <input checked="" type="checkbox"/> Manufacturing Location | <input type="checkbox"/> Quality/Reliability | <input type="checkbox"/> Material |

Change Description:

Atmel's 16Mbit Flash has undergone a migration from the current 0.18µm process to the 0.13µm process.

Identification Method to Distinguish Change:

For the 0.13µm devices, the "D" suffix prior to the dash in the part number will replace the "A" and "C" suffixes to distinguish them from the previous versions.

The full listing of part numbers affected by this change and their respective recommended replacements are summarized on the following page. Please note that with the introduction of the 0.13µm shrink part numbers, Atmel will only offer Green packaging options. The Green TSOP package is backward compatible to a Pb-based board mounting process.

As previously announced, in addition to Fab 7 in Rousset France, these 0.13µm products are also being manufactured in an outside foundry.

Qualification Data:

- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> available | <input type="checkbox"/> will be available in _____ | <input type="checkbox"/> not applicable |
|---|---|---|

Samples:

- | | | |
|------------------------------------|---|---|
| <input type="checkbox"/> available | <input checked="" type="checkbox"/> will be available in WW51 | <input type="checkbox"/> not applicable |
|------------------------------------|---|---|

Quantifiable Impact on Quality & Reliability:

None

Estimated Implementation Date*:

Production Date: January 15, 2006
 Last Time Buy Date: April 15, 2006
 Last Delivery Date: July 15, 2006

Please note that all orders placed after December 2, 2005 are non-cancellable and not returnable.

*The Estimated Implementation Date is the forecasted date that a customer may expect to receive changed product. This is determined by the estimated date of inventory depletion on the PCN issue date. This may be affected by fluctuations in supply and demand. Consequently, although customers should be prepared to receive changed product on this date, Atmel will continue to ship pre-changed product until a time in which inventory has been depleted. This may result in pre-changed product being shipped to customers after this forecasted date.

Atmel Contact: pcnadm@atmel.com

Atmel will deem this change accepted unless specific conditions of acceptance are provided in writing within 30 days from the date of this notice. All correspondence must be sent to the Quality Contact e-mail address listed above.

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Part numbers affected by the Product Change Notification Number SC054701:

0.18 μ m Products	0.13 μ m Replacements
AT49BV160C-70CI	AT49BV160D-70CU
AT49BV160C-70TI	AT49BV160D-70TU
AT49BV160C-70TU	AT49BV160D-70TU
AT49BV160C-W	AT49BV160D-W
AT49BV160CT-70CI	AT49BV160DT-70CU
AT49BV160CT-70CU	AT49BV160DT-70CU
AT49BV160CT-70TI	No Replacement Available
AT49BV160CT-70TU	No Replacement Available
AT49BV162A-70CI	AT49BV163D-70CU*
AT49BV162A-70CU	AT49BV163D-70CU*
AT49BV162A-70TI	AT49BV163D-70TU*
AT49BV162A-70TU	AT49BV163D-70TU*
AT49BV162AT-70CI	AT49BV163DT-70CU*
AT49BV162AT-70CU	AT49BV163DT-70CU*
AT49BV162AT-70TI	AT49BV163DT-70TU*
AT49BV162AT-70TU	AT49BV163DT-70TU*
AT49BV163A-55CU	AT49BV163D-70CU
AT49BV163A-70TI	AT49BV163D-70TU
AT49BV163A-70TU	AT49BV163D-70TU
AT49BV163AT-55CI	AT49BV163DT-70CU
AT49BV163AT-55CU	AT49BV163DT-70CU
AT49BV163AT-70TI	AT49BV163DT-70TU
AT49BV163AT-70TU	AT49BV163DT-70TU

***Note:** The AT49BV162A(T) has been replaced by the AT49BV163D(T). The write inhibit feature available on the VPP pin of the AT49BV162A(T) is not available on the AT49BV163D(T).