



# Product Change Notification

**Product Change Notification Number:** SC050803

**Date:** February 28, 2005

**Title:** AT89S52, AT89LS52 Die Revision Change

**Product Identification:**

AT89S52, AT89LS52 (all package types)

**Reason for Change:**

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

**Change Description:**

Die Revision change to improve test yield, reduce input transition current, and lower Flash Voltage erase / programming.

**Identification Method to Distinguish Change:**

A marketing revision level suffix (“A”) will be added to the topside date code. For example, the changed product date code will be in the format of YYWWA (where YY indicates the last two digits of the year, WW indicates the workweek, and “A” indicates the changed product).

**Qualification Data:**

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

**Samples:**

- |                                    |  |   |
|------------------------------------|--|---|
| <input type="checkbox"/> available | <input checked="" type="checkbox"/> will be available in WW 18 | <input type="checkbox"/> not applicable |
|------------------------------------|--|---|

**Quantifiable Impact on Quality & Reliability:**

No impact. No change to process or test program.

**Estimated Implementation Date\*:** May 25, 2005

\*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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