



Product Change Notification

Product Change Notification Number: SC120608

Notification Date: March 2, 2012

Title: AT89LP51 and AT89LP52 8-bit MCU Design Revision-C

Product Identification:

Product Ordering Code	Product Ordering Code
AT89LP51-20AU	AT89LP52-20AU
AT89LP51-20JU	AT89LP52-20JU
AT89LP51-20MU	AT89LP52-20MU
AT89LP51-20PU	AT89LP52-20PU

Reason for Change: ☐ Material / Composition ☒ Design / Firmware ☐ Manufacturing Location
☐ Processing / Manufacturing ☐ Logistics ☐ Quality / Reliability

Change Description:

1.) To fix a bug when executing MOVX @Ri,A and MOVX A,@Ri instructions from external code memory. MOVX instructions from internal code memory are not affected. Please refer to attached errata extracted from the AT89LP51 and AT89LP52 datasheet. See the attached copy of the AT89LP51/52 / 3709E-MICRO-2/12 Errata sheet.

2.) To improve test yields by centering the distribution of the IOH pull-up current when internal pull-ups are enabled.

Identification Method to Distinguish Change:

Die revision code on the 1st line of the bottom side mark of the PDIP package, the 2nd line of the bottom side mark of the TQFP, PLCC packages, and on the 5th line of the top side mark of the MLF/QFN package will be changed from "B" to "C".

Qualification Data: ☐ Available ☐ Will be available (mm/dd/yr): ☒ Not Applicable

Samples: ☐ Available ☒ Will be available (mm/dd/yr): 05/01/2012 ☐ Not Applicable

Quantifiable Impact on Quality & Reliability:

None

Proposed First Ship Date*: May 15th, 2012

**The Proposed First Ship 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.*

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CUSTOMER ACKNOWLEDGEMENT OF RECEIPT: Atmel requests you acknowledge receipt of this PCN. Please complete and email to the Atmel Contact listed above. In your acknowledgement, you can grant approval or request additional information. **Atmel will deem this change accepted unless specific conditions of acceptance are provided in writing within 30 days from the date of this notice.**

Company:

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Comments: