



Product Change Notification

PCN Number: RC144402

Notification Date: November 25, 2014

Title: Introduction of SAM9XE Marketing Revision (MRL) B

Product Identification:

Ordering code and top side marking contains MRL B

Reason for Change:

- | | |
|---|--|
| ☐ Material / Composition | ☒ Manufacturing Location |
| ☐ Processing / Manufacturing | ☐ Quality / Reliability |
| ☐ Design / Firmware | ☐ Logistics |
| ☐ Datasheet | ☐ Other: |

Change Description:

Introduction of the AT91SAM9XE marketing revision (MRL) B replacing the end of life MRL A. (EOL notice SE133406C)

The following table shows the correspondence between MRL B and MRL A devices. In some cases the replacement device will contain a larger memory.

EOL Ordering Code (MRL A)	New Ordering Code (MRL B)
AT91SAM9XE512-CU	AT91SAM9XE512B-CU
AT91SAM9XE256-CU	AT91SAM9XE256B-CU
AT91SAM9XE128-CU	AT91SAM9XE256B-CU
AT91SAM9XE512-QU	AT91SAM9XE512B-QU
AT91SAM9XE256-QU	AT91SAM9XE512B-QU
AT91SAM9XE128-QU	AT91SAM9XE512B-QU

The MRL A was manufactured by LFoundry and the MRL B is manufactured at UMC. The MRL B is form, fit and function compatible with the MRL A.

To increase manufacturing flexibility and ensure a long-term continuity of supply, Atmel will manufacture the AT91SAM9XE MRL B devices using both gold (Au) and copper bond (Cu) wires. Atmel reserves the right to ship devices with either gold or copper bond wires. The change will not impact reliability, soldering profiles or electrical characteristics.

Identification Method to Distinguish Change:

Ordering code on top side marking.

Qualification Data:

- | | | |
|---|--|---|
| ☒ Available | ☐ Will be available (mm/dd/yr): | ☐ Not Applicable |
|---|--|---|

Samples:

- | | | |
|--|--|---|
| ☒ Available for Gold bonding | ☒ Will be available for copper bonding by 12/15/14 | ☐ Not Applicable |
|--|--|---|

Quantifiable Impact on Quality & Reliability:

None

Proposed First Ship Date*: February 20, 2015

**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.*

Atmel Contact: Please contact your Atmel Sales Representative or Distributor for additional information (when replying via e-mail please include the PCN number in subject line).

Information provided herein is in connection with Atmel products and this information is provided "AS IS". Atmel assumes no responsibility for any errors that may appear in this document. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Atmel's Terms and Conditions of Sale for such products, Atmel assumes no liability whatsoever, and Atmel disclaims any express or implied warranty, including liability or warranties relating to fitness for a particular purpose, merchantability, or non-infringement of any patent, copyright or other intellectual property right. Atmel products are not intended for use in a product or system intended to support or sustain life which, if it fails, can be reasonably expected to result in significant personal injury. Atmel may make changes to specifications and product descriptions at any time, without notice.

CUSTOMER ACKNOWLEDGEMENT OF RECEIPT: Atmel requests you acknowledge receipt of this PCN. Please complete and email to pcnadm@atmel.com and 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.**

To be completed by customer:

☐ Approved

☐ Rejected (Please state reason for rejection):

Company:
Name:
Title:
Date:
Email
Address:
Location:
Comments: