

**PCN Number: RC144402**

**Notification Date:** November 25, 2014

<b>Title:</b> Introduction of SAM9XE Marketing Revision (MRL) B																	
<b>Product Identification:</b> Ordering code and top side marking contains MRL B																	
<b>Reason for Change:</b>	<input type="checkbox"/> Material / Composition	<input checked="" type="checkbox"/> Manufacturing Location															
	<input type="checkbox"/> Processing / Manufacturing	<input type="checkbox"/> Quality / Reliability															
	<input type="checkbox"/> Design / Firmware	<input type="checkbox"/> Logistics															
	<input type="checkbox"/> Datasheet	<input type="checkbox"/> Other:															
<b>Change Description:</b> 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.																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">EOL Ordering Code (MRL A)</th> <th style="width: 50%;">New Ordering Code (MRL B)</th> </tr> </thead> <tbody> <tr> <td>AT91SAM9XE512-CU</td> <td>AT91SAM9XE512B-CU</td> </tr> <tr> <td>AT91SAM9XE256-CU</td> <td>AT91SAM9XE256B-CU</td> </tr> <tr> <td>AT91SAM9XE128-CU</td> <td>AT91SAM9XE256B-CU</td> </tr> <tr> <td>AT91SAM9XE512-QU</td> <td>AT91SAM9XE512B-QU</td> </tr> <tr> <td>AT91SAM9XE256-QU</td> <td>AT91SAM9XE512B-QU</td> </tr> <tr> <td>AT91SAM9XE128-QU</td> <td>AT91SAM9XE512B-QU</td> </tr> </tbody> </table>				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
EOL Ordering Code (MRL A)	New Ordering Code (MRL B)																
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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.																	
<b>Identification Method to Distinguish Change:</b> Ordering code on top side marking.																	
<b>Qualification Data:</b>	<input checked="" type="checkbox"/> Available	<input type="checkbox"/> Will be available (mm/dd/yr):	<input type="checkbox"/> Not Applicable														
<b>Samples:</b>	<input checked="" type="checkbox"/> Available for Gold bonding	<input checked="" type="checkbox"/> Will be available for copper bonding by 12/15/14	<input type="checkbox"/> Not Applicable														
<b>Quantifiable Impact on Quality &amp; Reliability:</b> None																	
<b>Proposed First Ship Date*:</b> 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).

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**To be completed by customer:**

Approved

Rejected (Please state reason for rejection):

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