

PCN Number: RC140304A (Revised 02/26/14) Notification Date*: February 19, 2014
See Below Correction in Blue Text

Title: Migration to Marketing Revision Level B of the AT91SAM7X512																		
Product Identification:																		
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Current Part Number</th> <th style="width: 50%;">New Part Number</th> </tr> </thead> <tbody> <tr> <td>AT91SAM7X512-AU</td> <td>AT91SAM7X512B-AU</td> </tr> <tr> <td style="color: blue;">AT91SAM7X512-AU-999</td> <td>AT91SAM7X512B-AUR</td> </tr> <tr> <td>AT91SAM7X512-CU</td> <td>AT91SAM7X512B-CU</td> </tr> </tbody> </table>		Current Part Number	New Part Number	AT91SAM7X512-AU	AT91SAM7X512B-AU	AT91SAM7X512-AU-999	AT91SAM7X512B-AUR	AT91SAM7X512-CU	AT91SAM7X512B-CU							
Current Part Number	New Part Number																	
AT91SAM7X512-AU	AT91SAM7X512B-AU																	
AT91SAM7X512-AU-999	AT91SAM7X512B-AUR																	
AT91SAM7X512-CU	AT91SAM7X512B-CU																	
Reason for Change:	<input type="checkbox"/> Material / Composition <input checked="" type="checkbox"/> Processing / Manufacturing <input checked="" type="checkbox"/> Design / Firmware <input checked="" type="checkbox"/> Datasheet	<input type="checkbox"/> Manufacturing Location <input type="checkbox"/> Quality / Reliability <input type="checkbox"/> Logistics <input type="checkbox"/> Other:																
Change Description:																		
<p>A complete list of differences between the marketing revision level (MRL) A and B can be found in chapter 41.2 of the AT91SAM7X series datasheet with Atmel document reference 6120K.</p> <p>The ChipID has been incremented to:</p> <p style="padding-left: 40px;">AT91SAM7X512 Revision B chip ID is 0x275C 0A41</p> <p>The Flash memory access time has been reduced as per the below table:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 25%;">Flash Wait State</th> <th style="width: 25%;">Read Operations</th> <th style="width: 50%;">Maximum Operating Frequency (MHz)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">1 cycle</td> <td style="text-align: center;">16</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">2 cycles</td> <td style="text-align: center;">32</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">3 cycles</td> <td style="text-align: center;">48</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">4 cycles</td> <td style="text-align: center;">55</td> </tr> </tbody> </table> <p>Samples are available in Atmel Sample Center: https://samples.atmel.com/scripts/samplecenter.dll?atmel?cmd=menu</p>				Flash Wait State	Read Operations	Maximum Operating Frequency (MHz)	0	1 cycle	16	1	2 cycles	32	2	3 cycles	48	3	4 cycles	55
Flash Wait State	Read Operations	Maximum Operating Frequency (MHz)																
0	1 cycle	16																
1	2 cycles	32																
2	3 cycles	48																
3	4 cycles	55																
Identification Method to Distinguish Change:																		
Marketing Revision Level (MRL) has been incremented on the top side marking to B .																		
Qualification Data:	<input checked="" type="checkbox"/> Available	<input type="checkbox"/> Will be available (mm/dd/yr):	<input type="checkbox"/> Not Applicable															
Samples:	<input checked="" type="checkbox"/> Available	<input type="checkbox"/> Will be available (mm/dd/yr):	<input type="checkbox"/> Not Applicable															
Quantifiable Impact on Quality & Reliability:																		
None																		

Forecasted Availability Date: February 20, 2014

Last Time Buy Date: May 20, 2014

Last Ship Date: February 20, 2015

**All orders placed after the notification date are non-cancellable and non-returnable (NCNR).*

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.

Attention Distributors: Product(s) identified in this notification will become obsolete and as such this EOL notification will act as the official written notification. All obsolete products will be listed in the next published quarterly distributor price book, following an PCN/EOL change, and listed on the obsolescence form which accompanies said price book. Within thirty (30) days from the published date of the price book, Distributor shall notify Atmel in writing of Distributor's then current inventory of the obsolete product

CUSTOMER ACKNOWLEDGEMENT OF RECEIPT: Atmel requests you acknowledge receipt of this PCN / EOL. 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: