



## PCN / EOL Notification

**Product Change Notification Number: RC103203**

**Notification Date\*:** August 20, 2010

**Title:** AT91SAM7S512 MRL B Revision and Ordering Code Change, Adding UMC Manufacturing Location

### Product Identification:

Current Part Number	New Part Number
AT91SAM7S512-AU	AT91SAM7S512B-AU
AT91SAM7S512-AU-999	AT91SAM7S512B-AU-999
AT91SAM7S512-MU	AT91SAM7S512B-MU
AT91SAM7S512-MU-999	AT91SAM7S512B-MU-999

The Ordering code, Marketing Revision Level and top side marking will change.

### Reason for Change:

- Design  Processing  Logistics  
 Manufacturing Location  Quality/Reliability  Material

### Change Description:

Atmel introduces marketing revision level B on the AT91SAM7S512 to improve availability of product. This revision will be manufactured in both LFoundry, previously Atmel Rousset Fab7, and UMC (Taiwan) to ensure an uninterrupted flow of product to meet customer production demands. Both facilities will manufacture the parts to the same specification.

The AT91SAM7S512 MRL B is compatible in form, fit, and function to the MRL A material, which meet all datasheet specifications (6175J-ATARM-07-Dec-09) with the exception of the Flash memory access time. The Flash memory access time has been reduced as per the below table:

**Table 37-24.** Embedded Flash Wait States

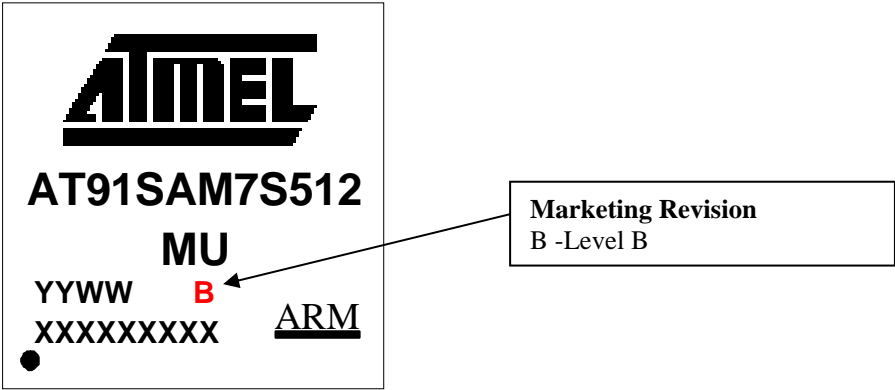
The following maximum operating frequencies apply to the AT91SAM7S512 MRL B

FWS <sup>(1)</sup>	Read Operations	Maximum Operating Frequency (MHz)
0	1 cycle	16
1	2 cycle	32
2	3 cycle	48
3	4 cycle	55

Notes:

1. FWS = Flash Wait States

Identification Method to Distinguish Change:



YYWW = Data Code  
XXXXXXXXXX = Lot Code

<b>Qualification Data:</b>	<input checked="" type="checkbox"/> available	<input type="checkbox"/> will be available in WW__	<input type="checkbox"/> not applicable
<b>Samples:</b>	<input checked="" type="checkbox"/> available	<input type="checkbox"/> will be available in WW__	<input type="checkbox"/> not applicable

**Quantifiable Impact on Quality & Reliability:**  
None

**Forecasted Availability Date:** November 16, 2010 or as soon as customer approves after October 4th, 2010  
**Last Time Buy Date:** June 15, 2011  
**Last Ship Date:** December 15, 2011

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

**Atmel Contact:** [pcnadm@atmel.com](mailto: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 Atmel Contact e-mail address listed above.**

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.