



PCN / EOL Notification

Product Change Notification Number: RC082201

Date*: May 29, 2008

Title: AT91FR40162S Revision and Ordering Code Change

Product Identification:

Old Part Number	New Part Number
AT91FR40162S-CJ	AT91FR40162SB-CU

Reason for Change:

- Design Processing Logistics
 Manufacturing Location Quality/Reliability Material

Change Description:

Migration to next generation 16Mbit Flash (stacked die) and full Green package.

Impact of changes:

- The AT91FR40162SB-CU is form and fit compatible with the AT91FR40162S-CJ and can be soldered as is on the customer board without any changes to the hardware or the soldering profile.
- The migration from an RoHS package to full green has no consequences on the soldering profile for the customer. It puts the product in-line with the latest world-wide environmental standards.
 - o *New BOM list:*

Wire	Au
Ball	Sn1.0Ag0.5Cu
Die attach	QMI 547
Mold	Kyocera KE-G1250LKDS
Solder mask	AUS308
Substrate	CCL-HL 832 NX
- The AT91FR40162SB-CU does not feature a Vpp pin and has a new Flash Device Code possibly impacting the Flash programming flow.
 - o The Flash ID code changes from 00C0H to 01C0H
 - o The hardware write protection feature provided by Vpp is removed
 - o The double-word write feature is removed
 - o Typical erase cycle time has been improved
 - o The worst case sector erase cycle time for 32k word sectors has been increased from 5 to 6ns.
- The non-compliance of the Common Flash Interface table has been corrected
 - o Erase block information of the 64kbyte and 8kbyte sector addresses have changed and can possibly impact the Flash programming flow.

Full details of the changes are documented in the AT91FR40162SB datasheet with reference 6410.

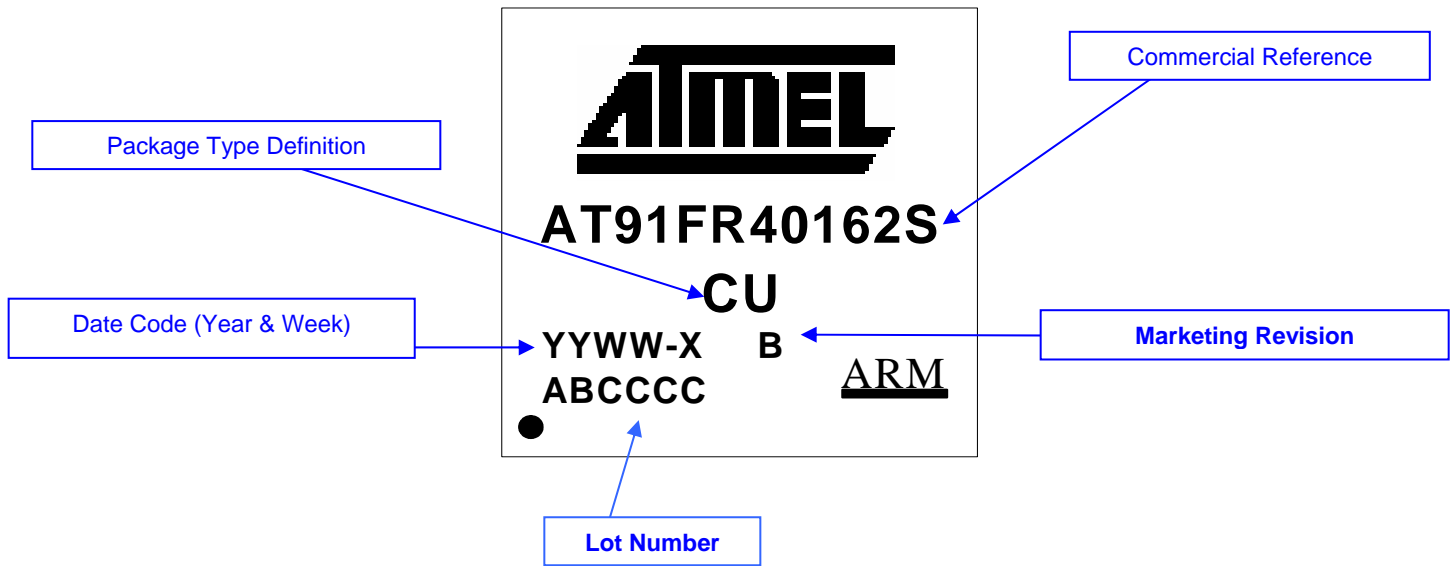
Identification Method to Distinguish Change:

Marketing Revision B ordering code: AT91FR40162SB-CU

Marketing Revision on the topside marking will be incremented to B.

Flash Device-ID: AT91FR40162SB-CU Device ID is: 01C0H

Top side marking:



Qualification Data:	<input type="checkbox"/> available	<input checked="" type="checkbox"/> will be available Aug. 20, 2008	<input type="checkbox"/> not applicable
Samples:	<input type="checkbox"/> available	<input checked="" type="checkbox"/> will be available July 1, 2008	<input type="checkbox"/> not applicable

Quantifiable Impact on Quality & Reliability:

None

Proposed First Ship Date*:	November 20, 2008
Last Time Buy Date:	November 29, 2008 (within the limit of available stock)
Last Ship Date:	May 29, 2009

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

Atmel Contact: 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 Quality Contact e-mail address listed above.

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