

PCN Number: RC131302A (Revised 02/20/15)
See Changes in Blue Text

Notification Date*: April 9, 2013

Title: Migration of ATSAM3S1 from Revision A to Revision B			
Product Identification:			
EOL ordering code	New ordering code		
ATSAM3S1AA-AU	ATSAM3S1AB-AU		
ATSAM3S1AA-MU	ATSAM3S1AB-MU		
ATSAM3S1BA-AU	ATSAM3S1BB-AU		
ATSAM3S1BA-MU	ATSAM3S1BB-MU		
ATSAM3S1CA-AU	ATSAM3S1CB-AU		
ATSAM3S1CA-CU	ATSAM3S1CB-CU		
ATSAM3S1AA-AUR	ATSAM3S1AB-AUR		
ATSAM3S1AA-MUR	ATSAM3S1AB-MUR		
ATSAM3S1BA-AUR	ATSAM3S1BB-AUR		
ATSAM3S1BA-MUR	ATSAM3S1BB-MUR		
ATSAM3S1CA-AUR	ATSAM3S1CB-AUR		
ATSAM3S1CA-CUR	ATSAM3S1CB-CUR		
Devices in Tape & Reel will be also available in revision B. (now listed in the table above)			
Reason for Change:	<input type="checkbox"/> Material / Composition	<input checked="" type="checkbox"/> Design / Firmware	<input checked="" type="checkbox"/> Manufacturing Location
	<input checked="" type="checkbox"/> Processing / Manufacturing	<input type="checkbox"/> Logistics	<input type="checkbox"/> Quality / Reliability
Change Description:			
A detailed description of the differences between the marketing revision level (MRL) A and B can be found in the data sheet.			
In summary, changes are limited to the correction of the following errata:			
<ul style="list-style-type: none"> - Correction of Flash problems : <ul style="list-style-type: none"> o 45.2.1.1 FLASH: Flash Reading in 64-bit mode o 45.2.1.3 FLASH: Flash Programming o 45.2.1.4 FLASH: Fetching Error after Reading the Unique Identifier - Correction ADC problems : <ul style="list-style-type: none"> o 45.2.2.1 ADC: Comparison Window, High Threshold Value o 45.2.2.2 ADC: End of Conversion (EOC) Flag o 45.2.2.3 ADC: Trigger Launch Only One Conversion o 45.2.2.4 ADC: Wrong First Conversions - Correction SAMBA problem: <ul style="list-style-type: none"> o 45.2.4.1 SAM-BA Boot: Start-up Issue when Using No Clock on XIN - Jtag ID updated . 			
The rev B is manufactured at UMC wafer fabrication facility.			
Identification Method to Distinguish Change:			
Marketing Revision Level (MRL) has been incremented on 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 type="checkbox"/> Available	<input checked="" type="checkbox"/> Will be available (mm/dd/yr): April 10 th 2013	<input type="checkbox"/> Not Applicable
Quantifiable Impact on Quality & Reliability: No			
Forecasted Availability Date: Delivery of Volume MRL B Product : June 1st, 2013 Last Time Buy Date: September 25th, 2013 Last Ship Date: March 25th, 2014 <i>*All orders placed after the notification date are non-cancellable and non-returnable (NCNR).</i>			
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