



Product Change Notification

PCN Number: WC143502

Notification Date: September 11, 2014

Title: Change in Package Marking for Selected AVR XMEGA D4/D3/A4U Microcontrollers			
Product Identification:			
Part numbers XMEGA D4	Part numbers XMEGA D3	Part numbers XMEGA A4U	
ATxmega16D4-AU	ATxmega64D3-AU	ATxmega64A4U-AU	
ATxmega16D4-AUR	ATxmega64D3-AUR	ATxmega64A4U-AUR	
ATxmega16D4-MH	ATxmega64D3-MH	ATxmega64A4U-MH	
ATxmega16D4-MHR	ATxmega64D3-MHR	ATxmega64A4U-MHR	
ATxmega16D4-CU	ATxmega128D3-AU	ATxmega64A4U-CU	
ATxmega16D4-CUR	ATxmega128D3-AUR	ATxmega64A4U-CUR	
ATxmega32D4-AU	ATxmega128D3-MH		
ATxmega32D4-AUR	ATxmega128D3-MHR		
ATxmega32D4-MH	ATxmega192D3-AU		
ATxmega32D4-MHR	ATxmega192D3-AUR		
ATxmega32D4-CU	ATxmega192D3-MH		
ATxmega32D4-CUR	ATxmega192D3-MHR		
	ATxmega256D3-AU		
	ATxmega256D3-AUR		
	ATxmega256D3-MH		
	ATxmega256D3-MHR		
<p>Please note: There will be products offered from Atmel and our sales channel with both current/old and new package markings for a time until transition to the latest die revision of the listed products is fully completed.</p> <p>The new die revisions of the listed products were introduced in 2013 – please refer to the following PCNs for further details: WC131404, WC131403, WC131402A, WC131401, WC130901, WC124802, WC124804A, WC124803B.</p>			
Reason for Change:	<input type="checkbox"/> Material / Composition <input checked="" type="checkbox"/> Processing / Manufacturing <input type="checkbox"/> Design / Firmware <input type="checkbox"/> Datasheet		<input type="checkbox"/> Manufacturing Location <input type="checkbox"/> Quality / Reliability <input type="checkbox"/> Logistics <input type="checkbox"/> Other:
Change Description:			
<p>Please refer to Appendix 1 for details on XMEGA D4 changes. Please refer to Appendix 2 for details on XMEGA D3 changes. Please refer to Appendix 3 for details on XMEGA A4U changes.</p>			

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Identification Method to Distinguish Change: Package markings are different than the other die revisions.			
Qualification Data:	<input type="checkbox"/> Available	<input type="checkbox"/> Will be available (mm/dd/yr):	<input checked="" type="checkbox"/> Not Applicable
Samples:	<input type="checkbox"/> Available	<input type="checkbox"/> Will be available (mm/dd/yr):	<input checked="" type="checkbox"/> Not Applicable
Quantifiable Impact on Quality & Reliability: None.			
Proposed First Ship Date*: Available now <i>*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.</i>			
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.			
CUSTOMER ACKNOWLEDGEMENT OF RECEIPT: Atmel requests you acknowledge receipt of this PCN. 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: <input type="checkbox"/> <u>Approved</u> <input type="checkbox"/> <u>Rejected (Please state reason for rejection):</u>			
Company: Name: Title: Date: Email Address: Location: Comments:			

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APPENDIX 1: Change Description Details ATXMEGA D4

<p>Old revision marking for ATxmega16D4-AU/AUR and ATxmega32D4-AU/AUR:</p>	<p>New revision marking for ATxmega16D4-AU/AUR and ATxmega32D4-AU/AUR:</p>
<div style="border: 1px solid black; padding: 10px; margin-bottom: 10px;"> <p>Top Mark</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>Atmel Logo CPN AU YYWW</p> </div> <p>AU = Package type and plating material YYWW = Year/Week</p> </div> <div style="border: 1px solid black; padding: 10px;"> <p>Bottom</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>Assy Lot No. DDDDDR Country of Assy</p> </div> <p>DDDDD = Die ID R = Revision letter</p> </div>	<div style="border: 1px solid black; padding: 10px; margin-bottom: 10px;"> <p>Top Mark</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>Atmel Logo CPN -X YYWWR CC Assy Lot No.</p> </div> <p>-X = Package plating material YYWW = Year/Week R = Revision letter CC = Country of Assy.</p> </div> <div style="border: 1px solid black; padding: 10px;"> <p>Bottom</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>BLANK</p> </div> </div>

Table 1.

Old revision marking for ATxmega16D4-MH/MHR and ATxmega32D4-MH/MHR:	New revision marking for ATxmega16D4-MH/MHR and ATxmega32D4-MH/MHR:
<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p style="text-align: center;">Top Mark</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> ATMEL CPN MHYYWW Country of Assy DDDDDR Assy Lot No. </div> <p> ATMEL = Company Name MH = Package type and plating material YYWW = Year/Week DDDDD = Die ID R = Revision letter </p> </div> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">Bottom</p> <div style="border: 1px solid black; padding: 2px; margin: 5px auto; width: 80px; height: 40px;"> BLANK </div> </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p style="text-align: center;">Top Mark</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> Atmel Logo CPN -X YYWWR CC Assy Lot No. </div> <p> -X = Package plating material YYWW = Year/Week R = Revision letter CC = Country of Assy. </p> </div> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">Bottom</p> <div style="border: 1px solid black; padding: 2px; margin: 5px auto; width: 80px; height: 40px;"> BLANK </div> </div>

Table 2.

Old revision marking for ATxmega16D4-CU/CUR and ATxmega32D4-CU/CUR:	New revision marking for ATxmega16D4-CU/CUR and ATxmega32D4-CU/CUR:
<p style="text-align: center;">Top Mark</p> <div style="border: 1px solid black; padding: 5px; margin: 5px auto; width: fit-content;"> <p>AT YYWWR CPN CU-K Assy Lot No.</p> </div> <p>YYWW = Year/Week R = Revision letter CU = Package type and plating material K = Assembly location Code</p> <hr/> <p style="text-align: center;">Bottom</p> <div style="border: 1px solid black; padding: 5px; margin: 5px auto; width: fit-content;"> <p>BLANK</p> </div>	<p style="text-align: center;">Top Mark</p> <div style="border: 1px solid black; padding: 5px; margin: 5px auto; width: fit-content;"> <p>Atmel Logo CPN -X YYWWR CC Assy Lot No.</p> </div> <p>-X = Package plating material YYWW = Year/Week R = Revision letter CC = Country of Assy.</p> <hr/> <p style="text-align: center;">Bottom</p> <div style="border: 1px solid black; padding: 5px; margin: 5px auto; width: fit-content;"> <p>BLANK</p> </div>

Table 3.

APPENDIX 2: Change Description Details ATXMEGA D3

<p>Old revision marking for ATxmega64D3-AU/AUR, ATxmega128D3-AU/AUR, ATxmega192D3-AU/AUR and ATxmega256D3-AU/AUR</p>	<p>New revision marking for ATxmega64D3-AU/AUR, ATxmega128D3-AU/AUR, ATxmega192D3-AU/AUR and ATxmega256D3-AU/AUR</p>
<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p>Top Mark</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p>Atmel Logo CPN AU YYWW</p> </div> <p>AU = Package type and plating material YYWW = Year/Week</p> </div> <div style="border: 1px solid black; padding: 5px;"> <p>Bottom</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p>Assy Lot No. DDDDDR Country of Assy</p> </div> <p>DDDDD = Die ID R = Revision letter</p> </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p>Top Mark</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p>Atmel Logo CPN -X YYWWR CC Assy Lot No.</p> </div> <p>-X = Package plating material YYWW = Year/Week R = Revision letter CC = Country of Assy.</p> </div> <div style="border: 1px solid black; padding: 5px;"> <p>Bottom</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p>BLANK</p> </div> </div>

Table 4.

<p>Old revision marking for ATxmega64D3-MH/MHR, ATxmega128D3-MH/MHR, ATxmega192D3-MH/MHR and ATxmega256D3-MH/MHR</p>	<p>New revision marking for ATxmega64D3-MH/MHR, ATxmega128D3-MH/MHR, ATxmega192D3-MH/MHR and ATxmega256D3-MH/MHR</p>
<div style="border: 1px solid black; padding: 10px;"> <p style="text-align: center;">Top Mark</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>ATMEL CPN MHYYWW Country of Assy DDDDDR Assy Lot No.</p> </div> <p>ATMEL = Company Name MH = Package type and plating material YYWW = Year/Week DDDDD = Die ID R = Revision letter</p> <hr/> <p style="text-align: center;">Bottom</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>BLANK</p> </div> </div>	<div style="border: 1px solid black; padding: 10px;"> <p style="text-align: center;">Top Mark</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>Atmel Logo CPN -X YYWWR CC Assy Lot No.</p> </div> <p>-X = Package plating material YYWW = Year/Week R = Revision letter CC = Country of Assy.</p> <hr/> <p style="text-align: center;">Bottom</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>BLANK</p> </div> </div>

Table 5.

APPENDIX 3: Change Description Details ATXMEGA A4U

<p>Old revision marking for XMEGA64A4U-AU/AUR</p>	<p>New revision marking for XMEGA64A4U-AU/AUR</p>
<p>Top Mark</p> <div data-bbox="383 478 548 615" style="border: 1px solid black; padding: 5px;"> <p>Atmel Logo CPN -X YYWWR CC Assy Lot No.</p> </div> <p>-X = Package plating material YYWW = Year/Week R = Revision letter CC = Country of Assy.</p> <p>Bottom</p> <div data-bbox="383 800 548 936" style="border: 1px solid black; padding: 5px;"> <p>BLANK</p> </div>	<p>Top Mark</p> <div data-bbox="1032 478 1182 594" style="border: 1px solid black; padding: 5px;"> <p>Atmel Logo CPN AU YYWW</p> </div> <p>AU = Package type and plating material YYWW = Year/Week</p> <p>Bottom</p> <div data-bbox="1032 814 1182 957" style="border: 1px solid black; padding: 5px;"> <p>##### DDDDDR N-A YYWW e3</p> </div> <p>##### = Lot ID DDDDD = Die name R = Revision letter N = Fab location A = Assy location YYWW = Year/Week e3 = Material code</p>

Table 6.

Old revision marking for XMEGA64A4U-MH/MHR	New revision marking for XMEGA64A4U-MH/MHR
<div style="border: 1px solid black; padding: 5px;"> <p>Top Mark</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> Atmel Logo CPN -X YYWWR CC Assy Lot No. </div> <p>-X = Package plating material YYWW = Year/Week R = Revision letter CC = Country of Assy.</p> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>Bottom</p> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> BLANK </div> </div>	<div style="border: 1px solid black; padding: 5px;"> <p>Top Mark</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> ATMEL CPN MHYYWW Country of Assy DDDDDR Assy Lot No. </div> <p>ATMEL = Company Name MH = Package type and plating material YYWW = Year/Week DDDDD = Die ID R = Revision letter</p> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>Bottom</p> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> BLANK </div> </div>

Table 7.

Old revision marking for XMEGA64A4U-CU/CUR	New revision marking for XMEGA64A4U-CU/CUR
<div style="border: 1px solid black; padding: 5px;"> <p>Top Mark</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> Atmel Logo XMEGA CPN-X YYWWR CC Assy Lot No. </div> <p>-X = Package plating material YYWW = Year/Week R = Revision letter CC = Country of Assy.</p> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>Bottom</p> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> BLANK </div> </div>	<div style="border: 1px solid black; padding: 5px;"> <p>Top Mark</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> AT YYWWR CPN CU-K Assy Lot No. </div> <p>YYWW = Year/Week R = Revision letter CU = Package type and plating material K = Assembly location Code</p> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>Bottom</p> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> BLANK </div> </div>

Table 8.