



Product Change Notification

Product Change Notification Number: NC123211

Notification Date: August 29, 2012

Title: ATmega16HVB and ATmega32HVB Revision Change from Revision B to Revision E									
Product Identification: ATmega16HVB-8X3 ATmega32HVB-8X3									
Reason for Change:	<input type="checkbox"/> Material / Composition	<input checked="" type="checkbox"/> Design / Firmware	<input type="checkbox"/> Manufacturing Location						
	<input type="checkbox"/> Processing / Manufacturing	<input type="checkbox"/> Logistics	<input checked="" type="checkbox"/> Quality / Reliability						
Change Description:									
<p>1. <i>Change in High Voltage Transistor Layout</i></p> <p>Optimizations have been made in the high voltage transistor layouts to further reduce device current consumption.</p>									
<p>2. <i>Change in Fuse bits</i></p> <p>In revision B Fuse High Byte bit 4 is used for the DUVRDINIT fuse. In revision E this fuse has been removed, and replaced with the CKDIV8 fuse.</p>									
<p>3. <i>Change in OSCSEL fuse default setting</i></p> <p>In revision B the default value for OSCSEL[1..0] is "10"</p> <p>In revision E the default value for OSCSEL[1..0] is "01"</p>									
Identification Method to Distinguish Change:									
The revision letter is identifiable by the last character in the lot number (L) printed on the back-side of the package.									
Back-side marking:									
<table border="1"> <tr><td>LLLLLLLB</td></tr> <tr><td>XXXXX</td></tr> <tr><td>XXXX XX</td></tr> </table>		LLLLLLLB	XXXXX	XXXX XX	<table border="1"> <tr><td>LLLLLLE</td></tr> <tr><td>XXXXX</td></tr> <tr><td>XXXX XX</td></tr> </table>		LLLLLLE	XXXXX	XXXX XX
LLLLLLLB									
XXXXX									
XXXX XX									
LLLLLLE									
XXXXX									
XXXX XX									
Revision B		Revision E							
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
Proposed First Ship Date*: November 29, 2012 <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: pcnadm@atmel.com
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CUSTOMER ACKNOWLEDGEMENT OF RECEIPT: Atmel requests you acknowledge receipt of this PCN. Please complete and email to 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.	
Company: Name: Title: Date: Email Address: Location: Comments:	