



# Product Change Notification

PCN Number: QC132701

Notification Date: August 26, 2013

<b>Title:</b> Revision Change for AT42QT1481			
<b>Product Identification:</b> AT42QT1481-AU AT42QT1481-AUR			
<b>Reason for Change:</b>	<input type="checkbox"/> Material / Composition	<input type="checkbox"/> Manufacturing Location	
	<input type="checkbox"/> Processing / Manufacturing	<input checked="" type="checkbox"/> Quality / Reliability	
	<input type="checkbox"/> Design / Firmware	<input type="checkbox"/> Logistics	
	<input type="checkbox"/> Datasheet	<input type="checkbox"/> Other:	
<b>Change Description:</b> This notification is to advise our customers that Atmel will introduce new revisions of the QTouch controller products listed above. The new revisions are package and pin compatible to the existing revisions. They are introduced in order to enhance the product. Actual devices changes are minimal, but for your reference they are listed here together with enhancements that are a pure superset of existing functions.			
<b>Changes</b>			
<ul style="list-style-type: none"> <li>• FMEA <ul style="list-style-type: none"> <li>○ Enhancement; failure flag was set during device initialization.</li> <li>○ Bug fix; Added a specific test of the Vref pin to the FMEA check to ensure the flag is set if the pin is open.</li> <li>○ Bug fix; Changed the IO pin drive to ensure the SMP pin in the FMEA test will show an error if the IO pin is open</li> <li>○ Bug fix: An FMEA test could incorrectly fail on some devices leading to the device locking up.</li> </ul> </li> <li>• Frequency Hopping - added mode which allows quicker setup.</li> <li>• Noise Immunity Improvement - when some buttons are disabled and X7R caps are being used.</li> </ul>			
<b>Identification Method to Distinguish Change:</b> Devices are marked with AT42QT1481-AU(R) 70 where 70 indicate Revision 7.0.			
<b>Qualification Data:</b>	<input type="checkbox"/>	<input type="checkbox"/> Will be available (mm/dd/yr):	<input checked="" type="checkbox"/> Not Applicable
<b>Samples:</b>	<input checked="" type="checkbox"/> Available	<input type="checkbox"/> Will be available (mm/dd/yr):	<input type="checkbox"/> Not Applicable
<b>Quantifiable Impact on Quality &amp; Reliability:</b> Improved Quality and Reliability			
<b>Proposed First Ship Date*:</b> November 23, 2013			
<p><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></p>			

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**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).

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**CUSTOMER ACKNOWLEDGEMENT OF RECEIPT:** Atmel requests you acknowledge receipt of this PCN. Please complete and email to [pcnadm@atmel.com](mailto: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:**

Approved

Rejected (Please state reason for rejection): \_\_\_\_\_

Company: Name: Title: Date: Email Address: Location: Comments:	
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