



Product Change Notification

Product Change Notification Number: NC121201

Notification Date: October 18, 2012

Title: Speed Increase for the AT32UC3A and AT32UCA3 Product Families

Product Identification:

Traceability is operated by ATMEL and revision is identifiable at customer facility. The affected devices are:

Part Number	Part Number	Part Number
AT32UC3A364-ALUR	AT32UC3A364-CTUR	AT32UC3A464-C1UR
AT32UC3A364-ALUT	AT32UC3A364-CTUT	AT32UC3A464-C1UT
AT32UC3A3128-ALUR	AT32UC3A3128-CTUR	AT32UC3A4128-C1UR
AT32UC3A3128-ALUT	AT32UC3A3128-CTUT	AT32UC3A4128-C1UT
AT32UC3A3256-ALUR	AT32UC3A3256-CTUR	AT32UC3A4256-C1UR
AT32UC3A3256-ALUT	AT32UC3A3256-CTUT	AT32UC3A4256-C1UT
AT32UC3A364S-ALUR	AT32UC3A364S-CTUR	AT32UC3A464S-C1UR
AT32UC3A364S-ALUT	AT32UC3A364S-CTUT	AT32UC3A464S-C1UT
AT32UC3A3128S-ALUR	AT32UC3A3128S-CTUR	AT32UC3A4128S-C1UR
AT32UC3A3128S-ALUT	AT32UC3A3128S-CTUT	AT32UC3A4128S-C1UT
AT32UC3A3256S-ALUR	AT32UC3A3256S-CTUR	AT32UC3A4256S-C1UR
AT32UC3A3256S-ALUT	AT32UC3A3256S-CTUT	AT32UC3A4256S-C1UT
AT32UC3A3256AU-ALUT	AT32UCA3128-D	AT32UC3A3256-D
AT32UCA364-D	AT32UCA3128S-D	AT32UC3A3256S-D
AT32UCA364S-D		

Reason for Change:

- ☐ Material / Composition
☐ Processing / Manufacturing

- ☐ Design / Firmware
☐ Logistics

- ☐ Manufacturing Location
☒ Quality / Reliability

Change Description:

The CPNs listed in this PCN are qualified for operation up to 84 MHz at 70° C and up to 66 MHz at 85° C. The increased operating frequency is a result of updated test and quality procedures. The die is unchanged and there are no changes in the electric characteristics.

Identification Method to Distinguish Change:

Logistics: 84 MHz devices are ensured by adding an SL code: catalog P/N + SL940

For example AT32UC3A3128-ALUR-**SL940**

Visual: Devices capable of running 84 MHz are rev H of the silicon and is manufactured in week 33 of 2012 or later. This is seen on the date marking on the top side of the device.

For example: 1233 **H** (where **H** is the design revision)

Qualification Data:

☒ Available

☐ Will be available (mm/dd/yr):

☐ Not Applicable

Samples:	☒ Available	☐ Will be available (mm/dd/yr):	☐ Not Applicable
Quantifiable Impact on Quality & Reliability: No impact			
Proposed First Ship Date*: October 19, 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: Please contact your Atmel Sales Representative or Distributor for additional information (when replying via e-mail please include PCN number in subject line).			
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Company: Name: Title: Date: Email Address: Location: Comments:	