PCN / EOL Notification

Product Change Notification Number: CC070201 **Date:** January 17, 2007

Title: AT24C32A DIE SHRINK

Product Identification:
All Wafers, Packages, and Voltages of the AT24C32A, Industrial Temperature Grade (-40C to +85C): see Attachment A for a complete part number listing.
See Attachment A

Reason for Change:

☐ Design	☐ Processing	☒ Logistics
☐ Manufacturing Location	☐ Quality/Reliability	☐ Material

Change Description:

Atmel has performed a die size reduction of the AT24C32A in the Industrial Temperature (-40 to +85C). The new version device will be manufactured utilizing the .25u process versus the .35u process for the current AT24C32A. A NEW part number will be created by adding a “C” to the suffix of the part identifier for the shrink: AT24C32C.

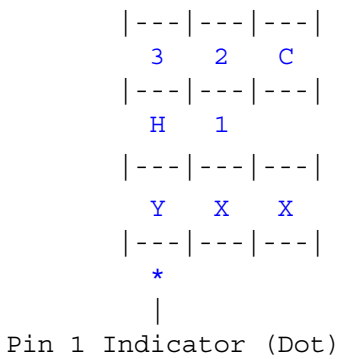
Atmel has also optimized the clock frequency at lower Vcc. The new AT24C32C will operate at 1MHz at 2.5V versus current AT24C32A operation of 400kHz at 2.5V. The new device will be offered only in 1.8V (Vcc from 1.8V to 3.6V).

In addition, to accommodate the growing movement toward Pb-Free products, the new shrink will ONLY be available in Pb-Free (Green) / Halogen-Free packaging. The 8-SOIC, 8-TSSOP, and 8-ULTRA THIN MINI-MAP packages, will consist of NiPdAu Lead Finish, designated by “H” in the catalogue part number. The 8-PDIP, consisting of Matte Tin lead finish, will be designated by “U” in the catalogue part number.

New physical part marking scheme:

8-Ultra Thin Mini MAP

TOP MARK



Y = YEAR OF ASSEMBLY

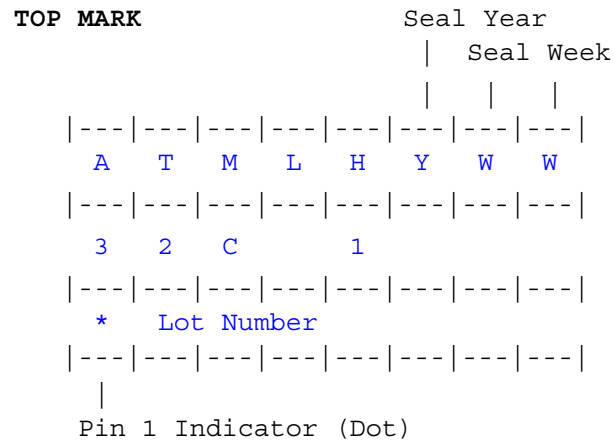
XX = ATMEL LOT NUMBER TO COORESPOND WITH NSEB TRACE CODE LOG BOOK.
(e.g. XX = AA, AB, AC,...AX, AY, AZ)

Y = SEAL YEAR

6: 2006	0: 2010
7: 2007	1: 2011
8: 2008	2: 2012
9: 2009	3: 2013

8-SOIC

TOP MARK



Y = SEAL YEAR

6: 2006 0: 2010
7: 2007 1: 2011
8: 2008 2: 2012
9: 2009 3: 2013

WW = SEAL WEEK

02 = Week 2
04 = Week 4
:: : :::: :
:: : :::: ::
50 = Week 50
52 = Week 52

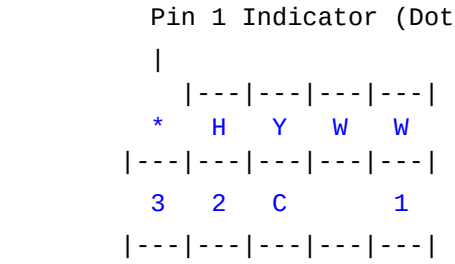
Lot Number to Use ALL Characters in Marking

BOTTOM MARK

No Bottom Mark

8-TSSOP

TOP MARK



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:: : :::: :
:: : :::: ::
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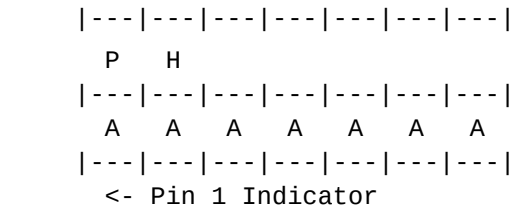
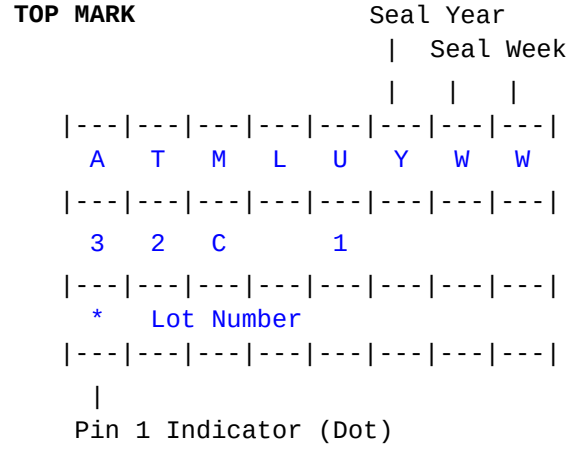
BOTTOM MARK



8-PDIP

TOP MARK



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Lot Number to Use ALL Characters in Marking

BOTTOM MARK

No Bottom Mark

Identification Method to Distinguish Change:

There will be a NEW part number created by adding a “C” to the suffix of the catalogue part number: The AT24C32A will now be AT24C32C.

Qualification Data:	☐ available	☒ will be available in FEB-07	☐ not applicable
Samples:	☒ available	☐ will be available	☐ not applicable

Quantifiable Impact on Quality & Reliability:

The new devices are a form, fit and function equivalent of the current devices, which meet all databook specifications.

Proposed First Ship Date*:	April 10, 2007
Last Time Buy Date:	July 10, 2007
Last Ship Date:	January 10, 2008

**The Estimated Implementation 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.*

Atmel Contact: pcnadm@atmel.com

Atmel will deem this change accepted unless specific conditions of acceptance are provided in writing within 30 days from the date of this notice. All correspondence must be sent to the Quality Contact e-mail address listed above.

Attachment A

Current Part Number	Replacement Part Number
AT24C32A-10PU-1.8	AT24C32C-PU
AT24C32A-10PU-2.7	AT24C32C-PU
AT24C32A-10TU-1.8 BULK	AT24C32C-TH-B
AT24C32A-10TU-1.8 SL383 (T&R)	AT24C32C-TH-T (5k per reel)
AT24C32A-10TU-2.7 BULK	AT24C32C-TH-B
AT24C32A-10TU-2.7 SL383 (T&R)	AT24C32C-TH-T (5k per reel)
AT24C32A-W1.8-11	AT24C32C-W-11
AT24C32A-W1.8-27	AT24C32C-W-11
AT24C32A-W2.7-11	AT24C32C-W-11
AT24C32A-W2.7-7	AT24C32C-W-11
AT24C32A-WB1.8-11	AT24C32C-WU-11 (Green only)
AT24C32A-WU1.8-11	AT24C32C-WU-11
AT24C32AW-10SU-1.8 BULK	AT24C32CN-SH-B (Recommend JEDEC SOIC for replacement)
AT24C32AW-10SU-1.8 SL383 (T&R)	AT24C32CN-SH-T (Recommend JEDEC SOIC for replacement) (4k per reel)
AT24C32AW-10SU-2.7 BULK	AT24C32CN-SH-B (Recommend JEDEC SOIC for replacement)
AT24C32AW-10SU-2.7 SL383 (T&R)	AT24C32CN-SH-T (Recommend JEDEC SOIC for replacement) (4k per reel)
AT24C32AN-10SU-1.8 BULK	AT24C32CN-SH-B
AT24C32AN-10SU-1.8 SL383 (T&R)	AT24C32CN-SH-T (4k per reel)
AT24C32AN-10SU-2.7 BULK	AT24C32CN-SH-B
AT24C32AN-10SU-2.7 SL383 (T&R)	AT24C32CN-SH-T (4k per reel)
AT24C32AY1-10YU-1.8	AT24C32CY6-YH-T (5k per reel)
AT24C32AY1-10YU-2.7	AT24C32CY6-YH-T (5k per reel)
AT24C32AY6-10YH-1.8	AT24C32CY6-YH-T (5k per reel)