



PCN / EOL Notification

Product Change Notification Number: CC114101A (REVISED 11/04/11) **Notification Date*:** September 30, 2011
See Change in Blue Font Below

Title: Introduction of New Two-Wire 4K-bit and 8K-bit Industrial Temperature Grade (-40°C to +85°C) Serial EEPROM family of products

Product Identification:

All Wafers and Packages of the AT24C04B / AT24C08B, Industrial Temperature Grade (-40°C to +85°C)

This is the listing for standard datasheet offering, PCN also applies to all (customer specific) special CAN part numbers that are not listed in the table below:

EOL Part Number	Replacement Part Number	Carrier Type
AT24C04B-PU	AT24C04C-PUM	
AT24C04B-TH-B	AT24C04C-XHM-B	Bulk
AT24C04B-TH-T	AT24C04C-XHM-T	T/R
AT24C04BN-SH-B	AT24C04C-SSHM-B	Bulk
AT24C04BN-SH-T	AT24C04C-SSHM-T	T/R
AT24C04BY6-YH-T	AT24C04C-MAHM-T	T/R
AT24C04BU3-UU-T	AT24C04C-CUM-T	T/R
AT24C04B-TSU-T	AT24C04C-STUM-T	T/R
AT24C04B-W-11	AT24C04C-WWU11M	Wafer Form
AT24C04B-W-27	AT24C04C-WWU27M	Wafer Form
AT24C08B-PU	AT24C08C-PUM	
AT24C08B-TH-B	AT24C08C-XHM-B	Bulk
AT24C08B-TH-T	AT24C08C-XHM-T	T/R
AT24C08BN-SH-B	AT24C08C-SSHM-B	Bulk
AT24C08BN-SH-T	AT24C08C-SSHM-T	T/R
AT24C08BY6-YH-T	AT24C08C-MAHM-T	T/R
AT24C08BU3-UU-T	AT24C08C-CUM-T	T/R
AT24C08B-TSU-T	AT24C08C-STUM-T	T/R
AT24C08B-W-11	AT24C08C-WWU11M	Wafer Form
AT24C08B-W-27	AT24C08C-WWU27M	Wafer Form
AT24C08B-CWU-T	AT24C08C-CWU-T	T/R

Reason for Change:

☐ Material / Composition

☒ Design / Firmware

☐ Manufacturing Location

☐ Processing / Manufacturing

☐ Logistics

☐ Quality / Reliability

Change Description:

Atmel is introducing new, optimized-layout Industrial Temperature Grade (-40°C to +85°C) Serial EEPROM: AT24C04C / AT24C08C.

The NEW AT24C04C / AT24C08C (1.7V to 5.5V) will now replace all AT24C04B / AT24C08B (1.8V to 5.5V) devices.

In order to increase manufacturing flexibility and ensuring long term continuity of supply, Atmel will also manufacture SOIC and TSSOP packages using both Au and Cu bond wire.

Atmel reserves the right to ship devices with either Au or Cu.

The new packaged devices offered with the AT24C04C / AT24C08C are as the following:

8-lead JEDEC SOIC (SS):	ROHS compliant/Lead-Free/Halogen-Free/NiPdAu plating.
8-lead TSSOP (X):	ROHS compliant/Lead-Free/Halogen-Free/NiPdAu plating.
8-lead UDFN (MA):	ROHS compliant/Lead-Free/Halogen-Free/NiPdAu plating.
8-lead PDIP (P):	ROHS compliant/Lead-Free/Halogen-Free/Matte Tin plating
5-lead SOT23 (ST):	ROHS compliant/Lead-Free/Halogen-Free/Matte Tin plating.
8-ball VFBGA (C):	ROHS compliant/Lead-Free/Halogen-Free/SnAgCu balls.

Atmel will also support die sales shipment in Wafer Form, Tape and Reel and Bumped Wafers

Identification Method to Distinguish Change:

NEW part numbers have been created by adding a "C" to the suffix of the catalogue part number:

The AT24C04B and AT24C08B shall be identified as the AT24C04C and AT24C08C respectively.

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:

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

Forecasted Availability Date: Now

Last Time Buy Date: April 20, 2012

Last Ship Date: October 20, 2012

**All orders placed after the notification date are non-cancellable and non-returnable (NCNR).*

Atmel Contact: pcnadm@atmel.com

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Attention Distributors: Product(s) identified in this notification will become obsolete and as such this EOL notification will act as the official written notification. All obsolete products will be listed in the next published quarterly distributor price book, following an PCN/EOL change, and listed on the obsolescence form which accompanies said price book. Within thirty (30) days from the published date of the price book, Distributor shall notify Atmel in writing of Distributor's then current inventory of the obsolete product

CUSTOMER ACKNOWLEDGEMENT OF RECEIPT: Atmel requests you acknowledge receipt of this PCN / EOL. 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:

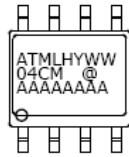
Date:

Email Address:

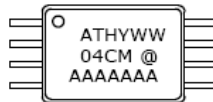
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Comments:

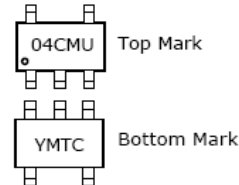
8 lead SOIC
3 Rows of 8 Characters



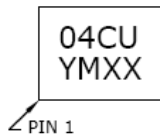
8 lead TSSOP
3 Rows
2 of 6 and 1 of 7 Characters



5 lead SOT-23
2 Rows
1 of 5 and 1 of 4 Characters



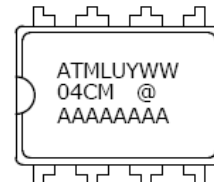
8-ball VFBGA - 1.5x2.0mm
2 Rows of 4 Characters



8 lead UDFN - 2.0x3.0mm
3 Rows of 3 Characters



8 lead PDIP
3 Rows of 8 Characters



Catalog Number: AT24C04C

Catalog Truncation: 04C

Date Codes			Voltages
Y = Year	M = Month	WW = Work Week of Assembly	M: 1.7v min
0: 2010 4: 2014	A: January	02: Week 2	
1: 2011 5: 2015	B: February	04: Week 4	
2: 2012 6: 2016	" " "	" " "	
3: 2013 7: 2017	L: December	52: Week 52	
Trace Code			Grade/Lead Finish Material
XX = Trace Code (ATMEL Lot Numbers to Correspond to Code) (e.g. XX: AA, AB...YZ, ZZ)			U: Industrial/Matt Tin H: Industrial/NiPdAu
Lot Number			ATMEL Truncation
AAAAAAA = ATMEL Wafer Lot Number			
Location of Assembly			
@ = Location of Assembly			AT: ATMEL ATM: ATMEL ATML: ATMEL

3/28/11



Package Mark Contact:
DL-CSO-Assy_eng@atmel.com

TITLE
24C04CSM, AT24C04C Standard Marking Information
for Package Offering

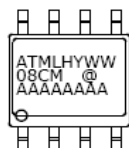
DRAWING NO.

24C04CSM

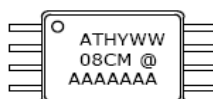
REV.

A

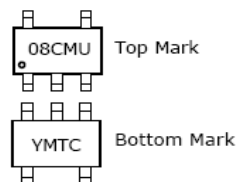
8 lead SOIC
3 Rows of 8 Characters



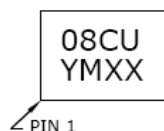
8 lead TSSOP
3 Rows
2 of 6 and 1 of 7 Characters



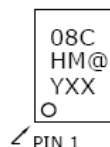
5 lead SOT-23
2 Rows
1 of 5 and 1 of 4 Characters



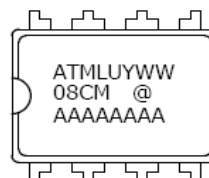
8-ball VFBGA - 1.5x2.0mm
2 Rows of 4 Characters



8 lead UDFN - 2.0x3.0mm
3 Rows of 3 Characters



8 lead PDIP
3 Rows of 8 Characters



Catalog Number: AT24C08C

Catalog Truncation: 08C

Date Codes			Voltages
Y = Year	M = Month	WW = Work Week of Assembly	M: 1.7v min
0: 2010 4: 2014	A: January	02: Week 2	
1: 2011 5: 2015	B: February	04: Week 4	
2: 2012 6: 2016	" " "	" " "	
3: 2013 7: 2017	L: December	52: Week 52	
Trace Code			Grade/Lead Finish Material
XX = Trace Code (ATMEL Lot Numbers to Correspond to Code) (e.g. XX: AA, AB...YZ, ZZ)			U: Industrial/Matt Tin H: Industrial/NiPdAu
Lot Number			ATMEL Truncation
AAAAAAA = ATMEL Wafer Lot Number			
Location of Assembly			
@ = Location of Assembly			AT: ATMEL ATM: ATMEL ATML: ATMEL

3/28/11



Package Mark Contact:
DL-CSO-Assy_eng@atmel.com

TITLE
24C08CSM, AT24C08C Standard Marking Information
for Package Offering

DRAWING NO.
24C08CSM

REV.
A