



PCN / EOL Notification

PCN Number: CC132503

Notification Date: July 9, 2013

Title: 4-Kbit/8-Kbit 2-wire interface Automotive Grade (-40C to +125C) Serial EEPROM (AT24C04B/AT24C08B) Process Geometric Shrink and Device Enhancements

Product Identification:

All Packages of the Automotive Temperature Grade (-40C to +125C) AT24C04B/AT24C08B

Reason for Change:

- ☒ Material / Composition
☒ Processing / Manufacturing

- ☒ Design / Firmware
☐ Logistics

- ☐ Manufacturing Location
☐ Quality / Reliability

Change Description:

Atmel has performed a process geometry shrink of the Serial EEPROM Automotive Temperature Grade AT24C04B/AT24C08B devices (2-wire interface, 4-Kbit/8-K-bit densities) from 0.35µm to 0.25µm. The catalog part number AT24C04B /24C08B will be replaced by AT24C04C/24C08C (see Table 1). The new devices are pin-to-pin and functionally backward compatible with the current AT24C04B/24C08B devices.

Delivery Options

To further stream line the shipping and handling process, Atmel is eliminating bulk delivery options. The new AT24C04C/24C08C devices will be offered in Tape and Reel only.

Table 1.

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	Package	Carrier Type
AT24C04BN-SP25-B ¹	AT24C04C-SSPD-T ²	SOIC	T/R, 4K per reel
AT24C04BN-SP25-T	AT24C04C-SSPD-T ²	SOIC	T/R, 4K per reel
AT24C04B-TP25-B ¹	AT24C04C-XPD-T ²	TSSOP	T/R, 5K per reel
AT24C04B-TP25-T	AT24C04C-XPD-T ²	TSSOP	T/R, 5K per reel

Notes:

1. Bulk will no longer be an ordering option, Tape and Reel ordering only offered
2. Please reference qualification pack for further details

EOL Part Number	Replacement Part Number	Package	Carrier Type
AT24C08BN-SP25-B ¹	AT24C08C-SSPD-T ²	SOIC	T/R, 4K per reel
AT24C08BN-SP25-T	AT24C08C-SSPD-T ²	SOIC	T/R, 4K per reel
AT24C08B-TP25-B ¹	AT24C08C-XPD-T ²	TSSOP	T/R, 5K per reel
AT24C08B-TP25-T	AT24C08C-XPD-T ²	TSSOP	T/R, 5K per reel

Notes:

1. Bulk will no longer be an ordering option, Tape and Reel ordering only offered
2. Please reference qualification pack for further details

Qualification Data:

☒ Available

☐ Will be available (mm/dd/yr):

☐ Not Applicable

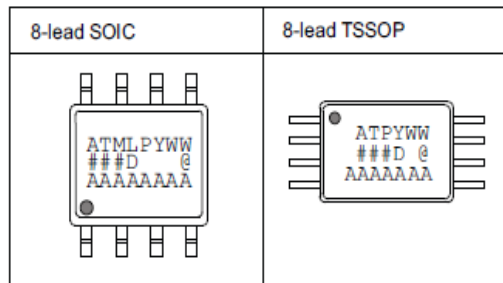
ATMEL Colorado Springs • 1150 E, Cheyenne Mtn, Blvd Colorado Springs • CO 80906 USA

Samples:	☒ Available	☐ Will be available (mm/dd/yr):	☐ Not Applicable
Quantifiable Impact on Quality & Reliability: None			
Forecasted Availability Date: Now Last Time Buy Date: January 9, 2014 Last Ship Date: July 9, 2014 <i>*All orders placed after the notification date are non-cancellable and non-returnable (NCNR).</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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CUSTOMER ACKNOWLEDGEMENT OF RECEIPT: Atmel requests you acknowledge receipt of this PCN / EOL. Please complete and email to 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.	
Company: Name: Title: Date: Email Address: Location: Comments:	

Attachment A

AT24C01C, AT24C02C, AT24C04C and AT24C08C: Package Marking Information



Note 1: ⦿ designates pin 1

Note 2: Package drawings are not to scale

Catalog Number Truncation

AT24C01C	Truncation Code ###: 01C
AT24C02C	Truncation Code ###: 02C
AT24C04C	Truncation Code ###: 04C
AT24C08C	Truncation Code ###: 08C

Date Codes

Y = Year	WW = Work Week of Assembly
2: 2012 6: 2016	02: Week 2
3: 2013 7: 2017	04: Week 4
4: 2014 8: 2018	...
5: 2015 9: 2019	52: Week 52

Voltages

% = Minimum Voltage
D: 2.5V min

Country of Assembly

@ = Country of Assembly

Lot Number

AAA...A = Atmel Wafer Lot Number

Grade/Lead Finish Material

P: Automotive/NiPdAu

Atmel Truncation

AT: Atmel
ATM: Atmel
ATML: Atmel

11/13/12



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

TITLE

24C01-02-04-08CAM, AT24C01C, AT24C02C, AT24C04C, and
AT24C08C Automotive Package Marking Information

DRAWING NO.

24C01-02-04-08CAM

REV.

B