



PCN / EOL Notification

Product Change Notification Number: CC124801

Notification Date: December 21, 2012

Title: AT24C1024B, 1-Mbit I²C (2-wire) Interface, Industrial Temperature Grade (-40C to 85C) Serial EEPROM Layout Optimization and Device Enhancement

Product Identification:

AT24C1024B – All package options of the Industrial Temperature Grade (-40C to +85C) version

Reason for Change:

Material / Composition
 Processing / Manufacturing

Design / Firmware
 Logistics

Manufacturing Location
 Quality / Reliability

Change Description:

Atmel has optimized the layout of the 1-Mbit AT24C1024B Industrial Temperature Grade Serial EEPROM. The catalog part number AT24C1024B will be replaced by **AT24CM01** (see Table 1). The new devices are pin-to-pin and functionally backward compatible with the current AT24C1024B devices with the following exception and enhancement.

Copper (Cu) bond wire usage

In order to increase manufacturing flexibility and to ensure a long-term continuity of supply, Atmel will manufacture all package options using both gold (Au) and copper bond (Cu) wires. Atmel reserves the right to ship devices with either gold or copper bond wires.

Identification Method to Distinguish Change:

Catalog part numbers of the AT24C1024B change to the new **AT24CM01**. Please refer to Attachment A for the part marking scheme.

Table 1

The following table lists the standard datasheet offerings. This PCN also applies to all customer specific special CAN part numbers that are not listed in the table below:

EOL Part Number	Replace Part Number	Package	Carrier Type
AT24C1024B-PU	No Replacement	PDIP	
AT24C1024B-PU25	No Replacement	PDIP	
AT24C1024BN-SH-B	AT24CM01-SSHM-B	JEDEC SOIC	Bulk
AT24C1024BN-SH-T	AT24CM01-SSHM-T	JEDEC SOIC	T/R, 4K per reel
AT24C1024BN-SH25-B	AT24CM01-SSHD-B	JEDEC SOIC	Bulk
AT24C1024BN-SH25-T	AT24CM01-SSHD-T	JEDEC SOIC	T/R, 4K per reel
AT24C1024BW-SH-B	AT24CM01-SHM-B	EIAJ SOIC	Bulk
AT24C1024BW-SH-T	AT24CM01-SHM-T	EIAJ SOIC	T/R, 2K per reel
AT24C1024BW-SH25-B	AT24CM01-SHD-B	EIAJ SOIC	Bulk
AT24C1024BW-SH25-T	AT24CM01-SHD-T	EIAJ SOIC	T/R, 2K per reel
AT24C1024B-TH-B	AT24CM01-XHM-B	TSSOP	Bulk
AT24C1024B-TH-T	AT24CM01-XHM-T	TSSOP	T/R, 5K per reel
AT24C1024B-TH25-B	AT24CM01-XHD-B	TSSOP	Bulk
AT24C1024B-TH25-T	AT24CM01-XHD-T	TSSOP	T/R, 5K per reel
AT24C1024BY7-YH-T	No Replacement	DFN	
AT24C1024BY7-YH25-T	No Replacement	DFN	
AT24C1024BU4-UU-T	No Replacement	VFBGA ¹	
AT24C1024B-W-11	24CM01-WWU11M	Wafer Sales	

Notes:

1. VFBGA is not presently offered in the shrink, but please contact Marketing for further details on WLCSP options

Qualification Data:	<input checked="" type="checkbox"/> Available	<input type="checkbox"/> Will be available (mm/dd/yr):	<input type="checkbox"/> Not Applicable
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Samples:	<input checked="" type="checkbox"/> Available	<input type="checkbox"/> Will be available (mm/dd/yr):	<input type="checkbox"/> Not Applicable
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Quantifiable Impact on Quality & Reliability:

None

Forecasted Availability Date: Available now**Last Time Buy Date:** May 30, 2013**Last Ship Date:** November 30, 2013

**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.*

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).

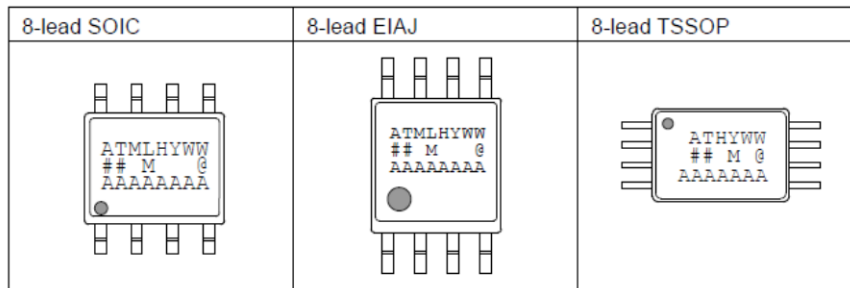
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CUSTOMER ACKNOWLEDGEMENT OF RECEIPT: Atmel requests you acknowledge receipt of this PCN / EOL. Please complete and email to pcnadm@atmel.com and the Atmel Contact listed above. In your acknowledgement, you can grant approval or request additional information. **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:	
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Attachment A

AT24CM01: Package Marking Information



Note 1: ● designates pin 1
Note 2: Package drawings are not to scale

Catalog Number Truncation			
AT24CM01		Truncation Code ##: 2G	
Date Codes			Voltages
Y = Year	M = Month	WW = Work Week of Assembly	M: 1.7V min D: 2.5V min
2: 2012 6: 2016	A: January	02: Week 2	
3: 2013 7: 2017	B: February	04: Week 4	
4: 2014 8: 2018	
5: 2015 9: 2019	L: December	52: Week 52	
Country of Assembly		Lot Number	Grade/Lead Finish Material
@ = Country of Assembly		AAA...A = Atmel Wafer Lot Number	H: Industrial/NiPdAu
Trace Code			Atmel Truncation
XX = Trace Code (Atmel Lot Numbers Correspond to Code) Example: AA, AB.... YZ, ZZ			AT: Atmel ATM: Atmel ATML: Atmel

5/8/12

Package Mark Contact: DL-CSO-Assy_eng@atmel.com	TITLE	DRAWING NO.	REV.
	24CM01SM, AT24CM01 Package Marking Information	24CM01SM	A