



PCN / EOL Notification

Product Change Notification Number: CC110501

Notification Date*: February 9, 2011

Title: INTRODUCTION OF NEW 128K SERIAL EEPROM			
Product Identification: All Wafers and Packages of the AT24C128B, Industrial Temperature Grade (-40C to +85C) Replacement Part Numbers are shown in Attachment A			
Reason for Change:	<input type="checkbox"/> Material / Composition	<input checked="" type="checkbox"/> Design / Firmware	<input type="checkbox"/> Manufacturing Location
	<input type="checkbox"/> Processing / Manufacturing	<input type="checkbox"/> Logistics	<input type="checkbox"/> Quality / Reliability
Change Description: Atmel is introducing a new, optimized-layout Serial EEPROM: AT24C128C. The NEW AT24C128C (1.7V to 5.5V) will now replace all AT24C128B (1.8V to 5.5V) devices. The new packaged devices offered with the AT24C128C 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 XDFN (ME): ROHS compliant/Lead-Free/Halogen-Free/NiPdAu 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 AT24C128B shall be identified as the AT24C128C.			
Qualification Data:	<input checked="" type="checkbox"/> Available	<input type="checkbox"/> Will be available (mm/dd/yr):	<input type="checkbox"/> Not Applicable
Samples:	<input checked="" type="checkbox"/> Available	<input type="checkbox"/> Will be available (mm/dd/yr):	<input type="checkbox"/> 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.			
Forecasted Availability Date: Now			
Last Time Buy Date:	August 31, 2011		
Last Ship Date:	February 28, 2012		
*All orders placed after the notification date are non-cancellable and non-returnable (NCNR).			
Atmel Contact: pcnadm@atmel.com			
Information provided herein is in connection with Atmel products and this information is provided "AS IS". Atmel assumes no responsibility for any errors that may appear in this document. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Atmel's Terms and Conditions of Sale for such products, Atmel assumes no liability whatsoever, and Atmel disclaims any express or implied warranty, including liability or warranties relating to fitness for a particular purpose, merchantability, or non-infringement of any patent, copyright or other intellectual property right. Atmel products are not intended for use in a product or system intended to support or sustain life which, if it fails, can be reasonably expected to result in significant personal injury. Atmel may make changes to specifications and product descriptions at any time, without notice.			
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. 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:

Location:

Comments:

Attachment A

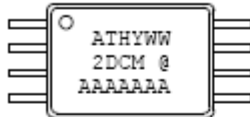
This is the listing for standard datasheet offering, PCN also applies to all (customer specific) special CAN part numbers that are not listed in the table below:

EOL Part Number	Replacement Part Number	Carrier Type
AT24C128B-PU	No replacement	
AT24C128B-TH-B	AT24C128C-XHM-B	Bulk
AT24C128B-TH-T	AT24C128C-XHM-T	T/R
AT24C128BN-SH-B	AT24C128C-SSHM-B	Bulk
AT24C128BN-SH-T	AT24C128C-SSHM-T	T/R
AT24C128BW-SH-B	No replacement	
AT24C128BW-SH-T	No replacement	
AT24C128BY6-YH-T	AT24C128C-MAHM-T	T/R
AT24C128BU2-UU-T	AT24C128C-CUM-T	T/R
AT24C128D3-DH-T	AT24C128C-MEHM-T	T/R
AT24C128B-W-11	AT24C128C-WWU11M	Wafer Form
AT24C128B-W-27	AT24C128C-WWU27M	Wafer Form

Attachment B

8 lead TSSOP

3 Rows
2 of 6 and 1 of 7 Characters



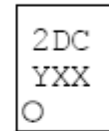
8 lead SOIC

3 Rows of 8 Characters



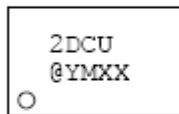
8 lead XDFN - 1.8x2.2mm

2 Rows of 3 Characters



8-ball VFBGA - 2.35x3.73mm

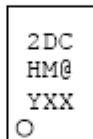
2 Rows
1 of 4 and 1 of 5 Characters



PIN 1

8 lead UDFN - 2.0x3.0mm

3 Rows of 3 Characters




PIN 1

Catalog Number: AT24C128C

Catalog Truncation: 2DC

Date Codes			Voltages
Y = Year	M = Month	WW = Work Week of Assembly	Blank: 2.7v min
0: 2010 4: 2014	A: January	02: Week 2	D: 2.5v min
1: 2011 5: 2015	B: February	04: Week 4	L: 1.8v min
2: 2012 6: 2016	" " " "	" " " "	M: 1.7v min
3: 2013 7: 2017	L: December	52: Week 52	P: 1.5v min
Trace Code			Grade/Lead Finish Material
XX = Trace Code (ATMEL Lot Numbers to Correspond Code) (e.g. XX: AA, AB...YZ, ZZ)			U: Industrial/Matt Tin
Lot Number			H: Industrial/NiPdAu
AAAAAAA = ATMEL Wafer Lot Number			ATMEL Truncation
Country of Assembly			AT: ATMEL
@ = Country of Assembly			ATM: ATMEL
B = PHILIPPINES W = THAILAND Q = MALAYSIA H,Y = CHINA			ATML: ATMEL

12/21/10

 Package Mark Contact: DL-CSO-Assy_eng@atmel.com	TITLE 24C128CSM, AT24C128C Standard Marking Information for Package Offering	DRAWING NO.	REV.
		24C128CSM	A