PCN / EOL Notification

Product Change Notification Number: CC114201 **Notification Date*:** October 27, 2011

Title: Introduction of New Three-Wire 2K-bit and 4K-bit Industrial Temperature Grade (-40°C to +85°C) Serial EEPROM Family of Products

Product Identification:
All Wafers and Packages of the AT93C56A / AT93C66A, 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
AT93C56A-10PU-1.8	No replacement	
AT93C56A-10PU-2.7	No replacement	
AT93C56A-10SU-1.8	AT93C56B-SSHM-B	Bulk
AT93C56A-10SU-1.8 SL383	AT93C56B-SSHM-T	T/R
AT93C56A-10SU-2.7	AT93C56B-SSHM-B	Bulk
AT93C56A-10SU-2.7 SL383	AT93C56B-SSHM-T	T/R
AT93C56AW-10SU-1.8	No replacement	
AT93C56AW-10SU-2.7	No replacement	
AT93C56A-10TU-1.8	AT93C56B-XHM-B	Bulk
AT93C56A-10TU-1.8 SL383	AT93C56B-XHM-T	T/R
AT93C56A-10TU-2.7	AT93C56B-XHM-B	Bulk
AT93C56A-10TU-2.7 SL383	AT93C56B-XHM-T	T/R
AT93C56AY6-10YH-1.8	AT93C56B-MAHM-T	T/R
AT93C56AD3-10DH-1.8	AT93C56B-MEHM-T	T/R
AT93C56AU3-10UU-1.8	AT93C56B-CUM-T	T/R
AT93C56A-W1.8-11	AT93C56B-WWU11M	Wafer Form
AT93C66A-10PU-1.8	No replacement	
AT93C66A-10PU-2.7	No replacement	
AT93C66A-10SU-1.8	AT93C66B-SSHM-B	Bulk
AT93C66A-10SU-1.8 SL383	AT93C66B-SSHM-T	T/R
AT93C66A-10SU-2.7	AT93C66B-SSHM-B	Bulk
AT93C66A-10SU-2.7 SL383	AT93C66B-SSHM-T	T/R
AT93C66AW-10SU-1.8	No replacement	
AT93C66AW-10SU-2.7	No replacement	
AT93C66A-10TU-1.8	AT93C66B-XHM-B	Bulk
AT93C66A-10TU-1.8 SL383	AT93C66B-XHM-T	T/R
AT93C66A-10TU-2.7	AT93C66B-XHM-B	Bulk
AT93C66A-10TU-2.7 SL383	AT93C66B-XHM-T	T/R
AT93C66AY6-10YH-1.8	AT93C66B-MAHM-T	T/R
AT93C66AD3-10DH-1.8	AT93C66B-MEHM-T	T/R
AT93C66AU3-10UU-1.8	AT93C66B-CUM-T	T/R
AT93C66A-W1.8-11	AT93C66B-WWU11M	Wafer Form

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: AT93C56**B** / AT93C66**B**.

The NEW AT93C56**B** / AT93C66**B** (1.7V to 5.5V) will now replace all AT93C56A / AT93C66A (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 AT93C56**B** / AT93C66**B** 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 “B” to the suffix of the catalogue part number:
The AT93C56A and AT93C66A shall be identified as the AT93C56**B** and AT93C66**B** 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 30, 2012

Last Ship Date: October 30, 2012

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

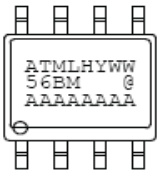
Atmel Contact: pcnadm@atmel.com

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:	

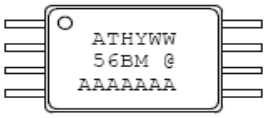
Attachment A

Atmel AT93C56B

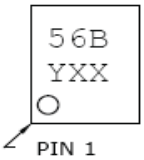
8 lead SOIC
3 Rows of 8 Characters



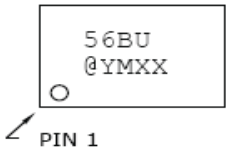
8 lead TSSOP
3 Rows
2 of 6 and 1 of 7 Characters



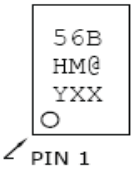
8 lead XDFN - 1.8x2.2mm
2 Rows of 3 Characters



8-ball VFBGA - 2.35x3.73mm
2 Rows
1 of 4 and 1 of 5 Characters



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



Catalog Number: AT93C56B Catalog Truncation: 56B

Date Codes

Y = Year	M = Month	WW = Work Week of Assembly
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

XX = Trace Code (ATMEL Lot Numbers to Correspond to Code)
(e.g. XX: AA, AB...YZ, ZZ)

Lot Number

AAAAAAA = ATMEL Wafer Lot Number

Country of Assembly

@ = Country of Assembly
B = PHILIPPINES W = THAILAND Q = MALAYSIA H,Y = CHINA

Voltages

Blank: 2.7v min
D: 2.5v min
L: 1.8v min
M: 1.7v min
P: 1.5v min

Grade/Lead Finish Material

U: Industrial/Matt Tin
H: Industrial/NiPdAu

ATMEL Truncation

AT: ATMEL
ATM: ATMEL
ATML: ATMEL

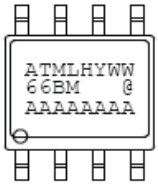
1/12/11

Package Mark Contact: DL-CSO-Assy_eng@atmel.com	TITLE **93C56BSM**, AT93C56B Standard Marking Information for Package Offering	DRAWING NO. 93C56BSM	REV. A

Atmel AT93C66B

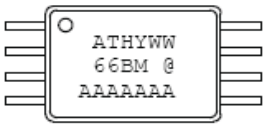
8 lead SOIC

3 Rows of 8 Characters



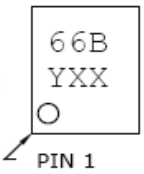
8 lead TSSOP

3 Rows
2 of 6 and 1 of 7 Characters



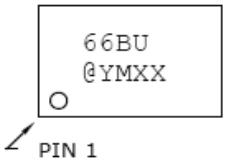
8 lead XDFN - 1.8x2.2mm

2 Rows of 3 Characters



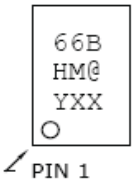
8-ball VFBGA - 2.35x3.73mm

2 Rows
1 of 4 and 1 of 5 Characters



8 lead UDFN - 2.0x3.0mm

3 Rows of 3 Characters



Catalog Number: AT93C66B Catalog Truncation: 66B

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 to Code) (e.g. XX: AA, AB...YZ, ZZ)			U: Industrial/Matt Tin H: Industrial/NiPdAu
Lot Number			
AAAAAAA = ATMEL Wafer Lot Number			
Country of Assembly			**ATMEL Truncation**
@ = Country of Assembly B = PHILIPPINES W = THAILAND Q = MALAYSIA H,Y = CHINA			AT: ATMEL ATM: ATMEL ATML: ATMEL

1/12/11

Package Mark Contact: DL-CSO-Assy_eng@atmel.com	TITLE **93C66BSM**, AT93C66B Standard Marking Information for Package Offering	DRAWING NO. 93C66BSM	REV. A