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# PCN / EOL Notification

Product Change Notification Number: CC070301A (REVISED)  Date: January 18, 2007  See Bold Red Text on the Part Marking Scheme Below					
Fitle: AT24C02B / AT24HC02B New Catalogue Part Number & Physical Part Marking Schemes					
Product Identification: All Wafers and Packages of See Attachment A	the AT24C02B and AT24HC02B	3, Industrial Temperatur	Э		
Reason for Change:	☐Design ☐Manufacturing Location	☐ Processing ☐ Quality/Reliability	Logistics     Material		

#### **Change Description:**

Atmel is altering all current AT24C02B / AT24HC02B Serial EEPROM industrial part numbers in order to align with our new strategic part numbering scheme and streamlined manufacturing process for all new Serial EEPROM shrinks & devices. This PCN pertains to part number & marking scheme changes only and does not involve a shrink nor process technology change.

Note: PCN CC053301, announcing AT24C02B / AT24HC02B devices, issued in 8/2005, is still valid.

In addition to being fully RoHS compliant, the new AT24C02B / AT24HC02B 8-SOIC and 8-TSSOP packages will consist of NiPdAu Lead Finish, denoted by "H" in the catalogue part number, versus current "U" Matte Tin Lead Finish designator.

The 8-ULTRA THIN MINI-MAP will remain unchanged, retaining "H" designator.

The 8-PDIP, 8-dBGA2, and SOT23 packages will continue to be produced with Matte Tin lead finish, retaining "U" catalogue part number designator.

## New catalogue part number scheme

- -Eliminating "-10"
- -Eliminating voltage designator (designating 1.8v).
- -Adding suffix "-B" to the catalogue part number will denote bulk form.
- -Adding suffix "-T" to the catalogue part number will denote Tape and Reel requirements.

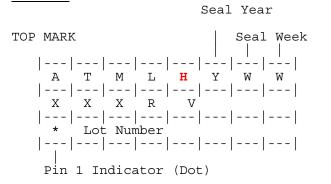
As the new catalogue part number will incorporate Tape and Reel requirements, the need for Tape and Reel SL's will be eliminated.

See Attachment A for part number cross reference table.

### New physical part marking scheme

Physical part marking of the AT24C02B / AT24HC02B will be transferred to the following new scheme:

#### 8-SOIC



#### 8-PDIP

Seal Year TOP MARK Seal Week 

Pin 1 Indicator (Dot)

U = Material Set Y = Seal Year WW = Seal Week

XXX = Device R = Revision (only if applicable)

V = Voltage Indicator \*Lot Number to Use ALL Characters in Marking

BOTTOM MARK

No Bottom Mark

#### 8-TSSOP

TOP MARK

Pin 1 Indicator (Dot) \* H Y W W 'X X X R V '

H = Material Set Y = Seal Year WW = Seal Week XXX = Device

R = Revision (only if applicable)

V = Voltage Indicator

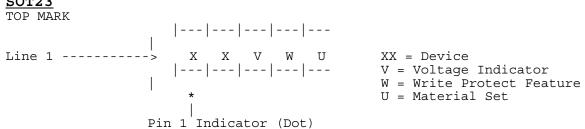
BOTTOM MARK

C O
|---|---|---|---|---|
A A A A A A A A
|---|---|---|---| <- Pin 1 Indicator

Lot Number

CO = Country of Origin AAAAAA = Lot Number

### SOT23



BOTTOM MARK

Y = One Digit Year Code

M = Seal MonthTC = Trace Code

#### ULTRA THIN MINI MAP

TOP MARK

```
|---|---|
X X X
|---|---|
H R V
|---|---|
Y T C
|---|---|
*
| Pin 1 Indicator (Dot)
```

XXX = Device
H = Material Set
R = Revision (only if applicable)
V = Voltage Indicator
Y = Year of Assembly

TC = Trace Code

dBGA2

TOP MARK

 Qualification Data:

 □ available

 □ will be available

 □ not applicable

 Samples:

 □ available

 □ not applicable

# Quantifiable Impact on Quality & Reliability:

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

Proposed First Ship Date\*: April 12, 2007
Last Time Buy Date: July 12, 2007
Last Ship Date: January 12, 2008

\*The Estimated Implementation 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: pcnadm@atmel.com

Atmel will deem this change accepted unless specific conditions of acceptance are provided in writing within 30 days from the date of this notice. All correspondence must be sent to the Quality Contact e-mail address listed above.

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# **Attachment A**

Current Part Number	Replacement Part Number	
AT24C02B-10PU-1.8	AT24C02B-PU (Bulk form only)	
AT24C02B-10TSU-1.8 SL383 (T&R)	AT24C02B-TSU-T (T/R = 5k per reel)	
AT24C02BN-10SU-1.8 SL383 (T&R)	AT24C02BN-SH-T (T/R = 4k per reel)	
AT24C02BN-10SU-1.8 BULK	AT24C02BN-SH-B	
AT24C02B-10TU-1.8 SL383 (T&R)	AT24C02B-TH-T (T/R = 5k per reel)	
AT24C02B-10TU-1.8 BULK	AT24C02B-TH-B	
AT24C02B-W1.8-11	AT24C02B-W-11	
AT24C02B-W1.8-27	AT24C02B-W-11	
AT24C02B-W1.8-7	AT24C02B-W-11	
AT24C02BU3-10UU-1.8 SL383 (T&R)	AT24C02BU3-UU-T (T/R = 5k per reel)	
AT24C02BY1-10YU-1.8 SL383 (T&R)	AT24C02BY6-YH-T (T/R = 5k per reel)	
AT24C02BY6-10YH-1.8 SL383 (T&R)	AT24C02BY6-YH-T (T/R = 5k per reel)	
AT24HC02B-10PU-1.8	AT24HC02B-PU (Bulk form only)	
AT24HC02B-10TU-1.8 SL383 (T&R)	AT24HC02B-TH-T (T/R = 5k per reel)	
AT24HC02B-10TU-1.8 BULK	AT24HC02B-TH-B	
AT24HC02B-W1.8-11	AT24HC02B-W-11	
AT24HC02BN-10SU-1.8 SL383 (T&R)	AT24HC02BN-SH-T (T&R = 4k per reel)	
AT24HC02BN-10SU-1.8 BULK	AT24HC02BN-SH-B	