



PCN / EOL Notification

Product Change Notification Number: CC092302

Date*: August 6, 2009

Title: AT25128A and AT25256A DIE SHRINK

Product Identification:

All Wafers and Packages of the AT25128A and AT25256A, Industrial Temperature Grade (-40C to +85C)
See Attachment A

Reason for Change:

☐ Design

☐ Manufacturing Location

☒ Processing

☐ Quality/Reliability

☐ Logistics

☐ Material

Change Description:

Atmel has performed a die size reduction for the industrial (-40C to 85C) grade AT25128A and AT25256A. The new version devices will be manufactured utilizing the .25u process versus the .35u process for the current AT25128A and the AT25256A. The NEW part numbers will be created by adding a "B" to the suffix of the part identifier: AT25128B and AT25256B.

Atmel has also consolidated the part numbers by offering one single device that covers a wide voltage range from 1.8V to 5.5V. This will simplify customers' inventory management as well as increase system design flexibility.

The new packaged devices offered with the AT25128B and the AT25256B are as the following:

8-ball VFBGA (dBG2):	ROHS compliant/Lead-Free/Halogen-Free/Matte Tin plating.
8-lead JEDEC PDIP:	ROHS compliant/Lead-Free/Halogen-Free/Matte Tin plating.
8-lead JEDEC SOIC:	ROHS compliant/Lead-Free/Halogen-Free/NiPdAu plating.
8-lead EIAJ SOIC:	ROHS compliant/Lead-Free/Halogen-Free/NiPdAu plating.
8-lead TSSOP:	ROHS compliant/Lead-Free/Halogen-Free/NiPdAu plating.
8-lead UDFN (Mini-MAP):	ROHS compliant/Lead-Free/Halogen-Free/NiPdAu plating.

Atmel will also support die sales shipment in Wafer Form, Tape and Reel and Bumped Wafers.

Identification Method to Distinguish Change:

There will be NEW part numbers created by adding a "B" to the suffix of the catalogue part number: The AT25128A and AT25256A will now be AT25128B and AT25256B respectively.

Qualification Data:

☒ available

☐ will be available

☐ not applicable

Samples:

☒ available

☐ will be available

☐ 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.

Estimated Availability Date: Available now

Last Time Buy Date: February 6, 2010

Last Ship Date: August 6, 2010

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

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

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
AT25128A-10PU-1.8	AT25128B-PUL	Bulk
AT25128A-10PU-2.7	AT25128B-PUL	Bulk
AT25128A-10TU-1.8	AT25128B-XHL-B	Bulk
AT25128A-10TU-1.8 SL383	AT25128B-XHL-T	T/R
AT25128A-10TU-2.7	AT25128B-XHL-B	Bulk
AT25128A-10TU-2.7 SL383	AT25128B-XHL-T	T/R
AT25128AN-10SU-1.8	AT25128B-SSHL-B	Bulk
AT25128AN-10SU-1.8 SL383	AT25128B-SSHL-T	T/R
AT25128AN-10SU-2.7	AT25128B-SSHL-B	Bulk
AT25128AN-10SU-2.7 SL383	AT25128B-SSHL-T	T/R
AT25128AW-10SU-1.8	AT25128B-SHL-B	Bulk
AT25128AW-10SU-1.8 SL383	AT25128B-SHL-T	T/R
AT25128AW-10SU-2.7	AT25128B-SHL-B	Bulk
AT25128AW-10SU-2.7 SL383	AT25128B-SHL-T	T/R
AT25128AY7-10YH-1.8	*AT25128B-MAHL-T	T/R
AT25128AU2-10UU-1.8	AT25128B-CUL-T	T/R
AT25128A-W1.8-11	AT25128B-WWU11L	
AT25128A-W1811F1	Please contact local sales office	
AT25256A-10PU-1.8	AT25256B-PUL	Bulk
AT25256A-10PU-2.7	AT25256B-PUL	Bulk
AT25256A-10TU-1.8	AT25256B-XHL-B	Bulk
AT25256A-10TU-1.8 SL383	AT25256B-XHL-T	T/R
AT25256A-10TU-2.7	AT25256B-XHL-B	Bulk
AT25256A-10TU-2.7 SL383	AT25256B-XHL-T	T/R
AT25256AN-10SU-1.8	AT25256B-SSHL-B	Bulk
AT25256AN-10SU-1.8 SL383	AT25256B-SSHL-T	T/R
AT25256AN-10SU-2.7	AT25256B-SSHL-B	Bulk
AT25256AN-10SU-2.7 SL383	AT25256B-SSHL-T	T/R
AT25256AW-10SU-1.8	AT25256B-SHL-B	Bulk
AT25256AW-10SU-1.8 SL383	AT25256B-SHL-T	T/R
AT25256AW-10SU-2.7	AT25256B-SHL-B	Bulk
AT25256AW-10SU-2.7 SL383	AT25256B-SHL-T	T/R
AT25256AN-SU18M2	Contact local sales	Bulk
AT25256AN-SU18G2	Contact local sales	Bulk
AT25256AY1-10UU-1.8	*AT25256B-MAHL-T	T/R
AT25256AY7-10YH-1.8	*AT25256B-MAHL-T	T/R
New Part #	AT25256B-CUL-T	T/R
AT25256A-W1.8-7	AT25256B-WWU7L	
AT25256A-W1.8-11	AT25256B-WWU11L	
AT25256A-W1.8-27	AT25256B-WWU27L	

*Suggested Replacement, please refer to datasheet for detailed specification.

Attachment B

Top Side Marking

AT25128B-CUL-T

TOP MARK

```

|---|---|---|---|
 5   D   B   U
|---|---|---|---|
 Y   M   X   X
|---|---|---|---|

```

|<-- Pin 1 This Corner

Y = ONE DIGIT YEAR CODE

8: 2008 1: 2011

9: 2009 2: 2012

1: 2011 3: 2013

M = SEAL MONTH (USE ALPHA DESIGNATOR A-L)

A = JANUARY

B = FEBRUARY

" " " " " " " " " "

J = OCTOBER

K = NOVEMBER

L = DECEMBER

XX = TRACE CODE (ATMEL LOT

NUMBERS TO CORRESPOND

WITH TRACE CODE LOG BOOK)

(e.g. XX = AA, AB...YZ, ZZ)

AT25128B-MAHL-T

TOP MARK

```

|---|---|---|
 5   D   B
|---|---|---|
 H   L   @
|---|---|---|
 Y   X   X
|---|---|---|

```

*

Pin 1 Indicator (Dot)

Y = YEAR OF ASSEMBLY

XX = TRACE CODE (ATMEL LOT

NUMBERS TO CORRESPOND

WITH TRACE CODE LOG BOOK)

(e.g. XX = AA, AB...YZ, ZZ)

Y = SEAL YEAR

8: 2008 0: 2012

9: 2007 1: 2013

0: 2010 2: 2014

1: 2011 3: 2015

@ = Country of
Assembly

AT25128B-PUL

TOP MARK

Seal Year

| Seal Week

```

|---|---|---|---|---|---|---|---|
 A   T   M   L   U   Y   W   W
|---|---|---|---|---|---|---|---|
 5   D   B   L                               @
|---|---|---|---|---|---|---|---|
 *   Lot Number
|---|---|---|---|---|---|---|---|

```

Pin 1 Indicator (Dot)

Y = SEAL YEAR

8: 2008 2: 2012

9: 2009 3: 2013

0: 2010 4: 2014

1: 2011 5: 2015

WW = SEAL WEEK

02 = Week 2

04 = Week 4

:: : :::: :

:: : :::: ::

50 = Week 50

52 = Week 52

@ = Country of Assembly
No Bottom Mark

AT25128B-SSHL-T/B

TOP MARK

Seal Year

| Seal Week

```

|---|---|---|---|---|---|---|---|
 A   T   M   L   H   Y   W   W
|---|---|---|---|---|---|---|---|
 5   D   B   L                               @
|---|---|---|---|---|---|---|---|
 *   Lot Number
|---|---|---|---|---|---|---|---|

```

Pin 1 Indicator (Dot)

Y = SEAL YEAR

8: 2008 2: 2012

9: 2009 3: 2013

0: 2010 4: 2014

1: 2011 5: 2015

WW = SEAL WEEK

02 = Week 2

04 = Week 4

:: : :::: :

:: : :::: ::

50 = Week 50

52 = Week 52

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No Bottom Mark

AT25128B-XHL-T/B

TOP MARK

Pin 1 Indicator (Dot)

```

|
|---|---|---|---|---|---|
*  A   T   H   Y   W   W
|---|---|---|---|---|---|
   5   D   B   L       @
|---|---|---|---|---|---|
      ATMEL LOT NUMBER
|---|---|---|---|---|---|

```

Y = SEAL YEAR	WW = SEAL WEEK
8: 2008 2: 2012	02 = Week 2
9: 2009 3: 2013	04 = Week 4
0: 2010 4: 2014	:: : :::: :
1: 2011 5: 2015	52 = Week 52

@ = Country of Assembly
No Bottom Mark

Attachment C

Top Side Marking

AT25256B-CUL-T

TOP MARK

```

|---|---|---|---|
 5   E   B   U
|---|---|---|---|
 Y   M   X   X
|---|---|---|---|
|<-- Pin 1 This Corner

```

Y = ONE DIGIT YEAR CODE

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J = OCTOBER
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L = DECEMBER

XX = TRACE CODE (ATMEL LOT
NUMBERS TO CORRESPOND
WITH TRACE CODE LOG BOOK)
(e.g. XX = AA, AB...YZ, ZZ)

AT25256B-MAHL-T

TOP MARK

```

|---|---|---|
 5   E   B
|---|---|---|
 H   L   @
|---|---|---|
 Y   X   X
|---|---|---|
 *
|
Pin 1 Indicator (Dot)

```

Y = YEAR OF ASSEMBLY

XX = TRACE CODE (ATMEL LOT
NUMBERS TO CORRESPOND
WITH TRACE CODE LOG BOOK)
(e.g. XX = AA, AB...YZ, ZZ)

Y = SEAL YEAR

8: 2008 0: 2012 @ = Country
9: 2007 1: 2013 of Assembly
0: 2010 2: 2014
1: 2011 3: 2015

AT25256B-PUL

```

Seal Year
TOP MARK | Seal Week
|---|---|---|---|---|---|---|
 A   T   M   L   U   Y   W   W
|---|---|---|---|---|---|---|
 5   E   B   L               @
|---|---|---|---|---|---|---|
 *   Lot Number
|---|---|---|---|---|---|---|
|
Pin 1 Indicator (Dot)

```

Y = SEAL YEAR WW = SEAL WEEK
8: 2008 2: 2012 02 = Week 2
9: 2009 3: 2013 04 = Week 4
0: 2010 4: 2014 :: : :::: :
1: 2011 5: 2015 :: : :::: :
50 = Week 50
52 = Week 52

@ = Country of Assembly
No Bottom Mark

AT25256B-SSHL-T/B

```

Seal Year
TOP MARK | Seal Week
|---|---|---|---|---|---|---|
 A   T   M   L   H   Y   W   W
|---|---|---|---|---|---|---|
 5   E   B   L               @
|---|---|---|---|---|---|---|
 *   Lot Number
|---|---|---|---|---|---|---|
|
Pin 1 Indicator (Dot)

```

Y = SEAL YEAR WW = SEAL WEEK
8: 2008 2: 2012 02 = Week 2
9: 2009 3: 2013 04 = Week 4
0: 2010 4: 2014 :: : :::: :
1: 2011 5: 2015 50 = Week 50
52 = Week 52

@ = Country of Assembly
No Bottom Mark

AT25256B-XHL-T/B

TOP MARK

Pin 1 Indicator (Dot)

```

|
|---|---|---|---|---|---|
*  A   T   H   Y   W   W
|---|---|---|---|---|---|
   5   E   B   L           @
|---|---|---|---|---|---|
      ATMEL LOT NUMBER
|---|---|---|---|---|---|

```

Y = SEAL YEAR	WW = SEAL WEEK
8: 2008 2: 2012	02 = Week 2
9: 2009 3: 2013	04 = Week 4
0: 2010 4: 2014	:: : :::: :
1: 2011 5: 2015	52 = Week 52

@ = Country of Assembly
No Bottom Mark