



PCN / EOL Notification

Product Change Notification Number: CC084205C (REVISED 08/07/09)
Remove PDIP Package Offering

Date*: November 4, 2008

Title: AT25080A and AT25160A DIE SHRINK

Product Identification:

All Wafers and Packages of the AT25080A and AT25160A, 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 AT25080A and AT25160A. The new version devices will be manufactured utilizing the .25u process versus the .35u process for the current AT25080A and the AT25160A. The NEW part numbers will be created by adding a "B" to the suffix of the part identifier: AT25080B and AT25160B.

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. 8-pin PDIP will not be supported in the shrink.

The new packaged devices offered with the AT25080B and the AT25160B are as the following:

8-ball VFBGA (dBG2):	ROHS compliant/Lead-Free/Halogen-Free/NiPdAu plating.
8-lead JEDEC 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 AT25080A and AT25160A will now be AT25080B and AT25160B 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:

December 1, 2008

Last Time Buy Date:

June 1, 2010

Last Ship Date:

January 1, 2011

** 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.

Information provided herein is in connection with Atmel products. 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.

Attachment A

EOL Part Number	Replacement Part Number	Carrier Type
AT25080A-10PU-1.8	No Replacement	Bulk
AT25080A-10PU-2.7	No Replacement	Bulk
AT25080A-10TU-1.8	AT25080B-XHL-B	Bulk
AT25080A-10TU-1.8 SL383	AT25080B-XHL-T	T/R
AT25080A-10TU-2.7	AT25080B-XHL-B	Bulk
AT25080A-10TU-2.7 SL383	AT25080B-XHL-T	T/R
AT25080AN-10SU-1.8	AT25080B-SSHL-B	Bulk
AT25080AN-10SU-1.8 SL383	AT25080B-SSHL-T	T/R
AT25080AN-10SU-2.7	AT25080B-SSHL-B	Bulk
AT25080AN-10SU-2.7 SL383	AT25080B-SSHL-T	T/R
AT25080AY1-10YU-1.8	No replacement	
AT25080AY5-10YU-1.8 SL383	AT25080B-MAHL-T	T/R
AT25080AY6-10YH-1.8	AT25080B-MAHL-T	T/R
New Part #	AT25080B-MEHL-T	T/R
New Part #	AT25080B-CUL-T	T/R
AT25080A-W1.8-11	AT25080B-WWU11L	Waffle Pack, T/R and Inkless Wafer (SL788)
AT25080A-W1.8-27	AT25080B-WWU27L	Waffle Pack, T/R and Inkless Wafer (SL788)
AT25080A-TU27BR	Please contact local sales office	
AT25080AY6-YH18X6		
AT25080A-WU1.8-7		
AT25080A-WU1811L2		
AT25080A-WU2.7-11		
AT25080A-WU2711E7		
AT25080A-WU2711L2		
AT25080A-WU2727G3		
AT25160A-10PU-1.8	No Replacement	Bulk
AT25160A-10PU-2.7	No Replacement	Bulk
AT25160A-10TU-1.8	AT25160B-XHL-B	Bulk
AT25160A-10TU-1.8 SL383	AT25160B-XHL-T	T/R
AT25160A-10TU-2.7	AT25160B-XHL-B	Bulk
AT25160A-10TU-2.7 SL383	AT25160B-XHL-T	T/R
AT25160AD3-10DH-1.8	AT25160B-MEHL-T	T/R
AT25160AN-10SU-1.8	AT25160B-SSHL-B	Bulk
AT25160AN-10SU-1.8 SL383	AT25160B-SSHL-T	T/R
AT25160AN-10SU-2.7	AT25160B-SSHL-B	Bulk
AT25160AN-10SU-2.7 SL383	AT25160B-SSHL-T	T/R
AT25160AY1-10YU-1.8	no replacement	
AT25160AY6-10YH-1.8	AT25160B-MAHL-T	T/R
New Part #	AT25160B-CUL-T	T/R
AT25160A-W1.8-11	AT25160B-WWU11L	Waffle Pack, T/R and Inkless Wafer (SL788)
AT25160A-W1.8-27	AT25160B-WWU27L	Waffle Pack, T/R and Inkless Wafer (SL788)
AT25160AD3-DH18Y8	Please contact local sales office	
AT25160A-TU27BS		
AT25160A-WU187R1		

Attachment B

Top Side Marking

AT25080B-CUL-T

TOP MARK

```

|---|---|---|---|
 5   8   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

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)

AT25080B-SSHL-T/B

TOP MARK

```

Seal Year
| Seal Week
| | |
|---|---|---|---|---|---|---|---|
 A   T   M   L   H   Y   W   W
|---|---|---|---|---|---|---|---|
 5   8   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

AT25080B-MAHL-T

TOP MARK

```

|---|---|---|
 5   8   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

AT25080B-MEHL-T

TOP MARK

```

|---|---|---|
 5   8   B
|---|---|---|
 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

AT25080B-XHL-T/B

TOP MARK

Pin 1 Indicator (Dot)

```

|
|---|---|---|---|---|---|
*  A   T   H   Y   W   W
|---|---|---|---|---|---|
   5   8   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

:: : :::: ::

50 = Week 50

52 = Week 52

@ = Country of Assembly

No Bottom Mark

Attachment C

Top Side Marking

AT25160B-CUL-T

TOP MARK

```

|---|---|---|---|
 5   A   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

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)

AT25160B-SSHL-T/B

TOP MARK

```

Seal Year
| Seal Week
| | |
|---|---|---|---|---|---|---|---|
 A   T   M   L   H   Y   W   W
|---|---|---|---|---|---|---|---|
 5   A   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

AT25160B-MAHL-T

TOP MARK

```

|---|---|---|
 5   A   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

AT25160B-XHL-T/B

TOP MARK

```

Pin 1 Indicator (Dot)
|
| |---|---|---|---|---|---|
 *   A   T   H   Y   W   W
|---|---|---|---|---|---|
 5   A   B   L               @
|---|---|---|---|---|---|
 ATMEL LOT NUMBER
|---|---|---|---|---|---|

```

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

AT25160B-MEHL-T

TOP MARK

```
|---|---|---|
  5   A   B
|---|---|---|
  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