



# Product Change Notification

## 105458 - 00

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Should you have any issues with the timeline or content of this change, please contact the Intel Representative(s) for your geographic location listed below. No response from customers will be deemed as acceptance of the change and the change will be implemented pursuant to the key milestones set forth in this attached PCN.

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# Product Change Notification

**Change Notification #:** 105458 - 00  
**Change Title:** 64Mb Intel StrataFlash® Memory (J3)  
180nm, PCN 105458-00, FFF, Lithography  
conversion  
**Date of Publication:** September 16, 2005

**Type of Change Notification:**  
FFF - (Form-Fit-Function)

**Key Characteristics of the Change:**  
Process

## Forecasted Key Milestones:

<b>Date of Samples Availability:</b>	Oct 21, 2005
<b>Date of Qualification Data Availability:</b>	Dec 05, 2005
<b>Date Customer Must be Ready to Receive Post-Conversion Material:</b>	Dec 20, 2005
<b>Date of First Availability of Post-Conversion Material:</b>	Dec 20, 2005

*The date of "First Availability of Post-Conversion Material" is the projected date that a customer may expect to receive the Post-Conversion Materials. This date is determined by the projected depletion of inventory at the time of the PCN publication. The depletion of inventory may be impacted by fluctuating supply and demand, therefore, although customers should be prepared to receive the Post-Converted Materials on this date, Intel will continue to ship and customers may continue to receive the pre-converted materials until the inventory has been depleted.*

## Description of Change to the Customer:

Intel is converting the 64Mb Intel StrataFlash® Memory (J3) products on 180 nm process lithography to 130nm process lithography. The product name on the 130 nm lithography will be 64Mb Intel® Embedded Flash Memory(J3 v. D).

For TSOP packages, the marking will change from an Ink Mark to a Laser Mark. This is consistent with the marking methodology for all other package types. easyBGA packages were previously laser marked and will continue to be laser marked.

## Customer Impact of Change and Recommended Action:

Intel does not anticipate any impact to customer applications. The 64Mb Intel® Embedded Flash Memory (J3 v. D) on 130 nm process lithography will meet Intel's quality and reliability standards and is backward compatible with the 64 Mb Intel StrataFlash® Memory (J3) products on 180 nm process lithography. There will be no change to silicon functionality, package ballout, pitch, size or package dimensions.

Intel will be introducing new part numbers and ordering codes for the 130nm lithography product so customers can differentiate the 180nm from the 130nm lithography products. The table below reflects the current (180nm) and equivalent new (130nm) part numbers and ordering codes. In order to aid visual identification of the 130nm lithography product, the portion of the package mark previously denoted as '28F640J3C' will change to '28F640J3D'.

**Note:**

*All customers should expect to receive post-conversion material on date of first availability of post-conversion material. Pre-conversion material inventory is expected to be depleted by the date of first availability of post-conversion material.*

Recommended action: It is recommended that the customer order samples now and conduct a validation test.

For further detail, please go to [www.intel.com/design/flash](http://www.intel.com/design/flash) and click on "Documentation" from the left navigation for the most current version of the documents listed below:

- o Intel® Embedded Flash Memory (J3 v. D) Datasheet  
URL: <http://www.intel.com/design/flcomp/datashts/308551.htm>
- o AP-835, Intel StrataFlash® Memory (J3) to Intel® Embedded Flash Memory (J3 v. D) Conversion Guide  
URL: <http://www.intel.com/design/flcomp/aplnots/308555.htm>

**Products Affected / Intel Ordering Codes:**

**64Mb TSOP**

Pre-Conversion Product Code	Pre-Conversion Spec/ROM	Pre-Conversion MM#	Post-Conversion Product Code	Post-Conversion Spec/ROM	Post-Conversion MM#
TE28F640J3C115 S L7GY	S L7GY	860771	TE28F640J3D75 872333		872333
TE28F640J3C115 S L7GZ	S L7GZ	860773	TE28F640J3D75 S B48	S B48	872332
TE28F640J3C115 S L7HA	S L7HA	860794	TE28F640J3D75 S B93	S B93	872330
TE28F640J3C120 853315		853315	TE28F640J3D75 872333		872333
TE28F640J3C120 S B48	S B48	853420	TE28F640J3D75 S B48	S B48	872332
TE28F640J3C120 S B93	S B93	853438	TE28F640J3D75 S B93	S B93	872330

**64Mb TSOP Lead Free**

Pre-Conversion Product Code	Pre-Conversion Spec/ROM	Pre-Conversion MM#	Post-Conversion Product Code	Post-Conversion Spec/ROM	Post-Conversion MM#
JS28F640J3C115 867064		867064	JS28F640J3D75 872336		872336
JS28F640J3C115 S B48	S B48	867066	JS28F640J3D75 S B48	S B93	872338
JS28F640J3C115 S B93	S B93	867065	JS28F640J3D75 S B93	S B93	872340

**64Mb easyBGA**

Pre-Conversion Product Code	Pre-Conversion Spec/ROM	Pre-Conversion MM#	Post-Conversion Product Code	Post-Conversion Spec/ROM	Post-Conversion MM#
RC28F640J3C115 853419		853419	RC28F640J3D75 875775		875775
RC28F640J3C115 S L7H4	S L7H4	860772	RC28F640J3D75 875775		875775
RC28F640J3C115 S L7H5	S L7H5	860774	RC28F640J3D75 S B93	S B93	872342
RC28F640J3C120 853314		853314	RC28F640J3D75 875775		875775
RC28F640J3C120 S B48	S B48	853415	RC28F640J3D75 S B48	S B48	872380
RC28F640J3C120 S B93	S B93	853331	RC28F640J3D75 S B93	S B93	872342

**64Mb easyBGA Lead Free**

Pre-Conversion Product Code	Pre-Conversion Spec/ROM	Pre-Conversion MM#	Post-Conversion Product Code	Post-Conversion Spec/ROM	Post-Conversion MM#
PC28F640J3C115 863023		863023	PC28F640J3D75 875776		875776
PC28F640J3C115 S B48	S B48	863025	PC28F640J3D75 S B48	S B48	876042
PC28F640J3C115 S B93	S B93	863026	PC28F640J3D75 S B93	S B93	875777

**Samples**

Sample Product Code	Sample Spec/ROM	Sample MM#	Description
JS28F640J3D75 Q DK5	Q DK5	876048	TSOP LF 96pc tray
JS28F640J3D75 Q DK6	Q DK6	876078	TSOP LF 2pc tube
JS28F640J3D75 Q DK7	Q DK7	876080	TSOP LF 100pc reel
PC28F640J3D75 Q DL1	Q DL1	876085	easyBGA LF 144pc tray
PC28F640J3D75 Q DL2	Q DL2	876083	easyBGA LF 2pc tube
PC28F640J3D75 Q DL3	Q DL3	876084	easyBGA LF 100pc reel
RC28F640J3D75 Q DK8	Q DK8	875944	easyBGA 144pc tray
RC28F640J3D75 Q DK9	Q DK9	875990	easyBGA 2pc tube
RC28F640J3D75 Q DL0	Q DL0	875991	easyBGA 100pc reel
TE28F640J3D75 Q DK2	Q DK2	875772	TSOP 96pc tray
TE28F640J3D75 Q DK3	Q DK3	875773	TSOP 2pc tube
TE28F640J3D75 Q DK4	Q DK4	875774	TSOP 100pc reel

**Reference Documents / Attachments:**

Document:

Location #:

**PCN Revision History:**

Date of Revision:

September 16, 2005

Revision Number:

00

Reason:

Originally Published PCN

