



Product Change Notification

105153 - 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 #: 105153 - 00
Change Title: 128 Mb Intel StrataFlash® Memory (J3)
180nm, lithography conversion, PCN 105153-00, FFF
Date of Publication: July 6, 2005
Type of Change Notification:
FFF - (Form-Fit-Function)
Key Characteristics of the Change:

Process

Forecasted Key Milestones:

	Package Type	TSOP Pb, Pb-Free, & easyBGA Pb	easyBGA Pb-Free
Date of Samples Availability:		Jul 29, 2005	Aug 12, 2005
Date of Qualification Data Availability:		Oct 07, 2005	Oct 17, 2005
Date Customer Must be Ready to Receive Post-Conversion Material:		Oct 07, 2005	Oct 17, 2005
Date of First Availability of Post-Conversion Material:		Oct 07, 2005	Oct 17, 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 128 Mb Intel StrataFlash® Memory (J3) products on 180 nm process lithography to 130nm process lithography. The product name on the 130 nm lithography will be 128 Mb Intel® Embedded Flash Memory (28F128J3D).

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 128 Mb Intel® Embedded Flash Memory (28F128J3D) on 130 nm process lithography will meet Intel's quality and reliability standards and is backward compatible with the 128 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 '28F128J3C' will change to '28F128J3D'.

Customers must be positioned to accept and use the 130 nm lithography product interchangeably with current 180 nm lithography product, based on the Key Milestone dates noted above.

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

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

- Intel® Embedded Flash Memory (28FxxxJ3D) Datasheet
- AP-835, Intel StrataFlash® Memory (J3) to Intel® Embedded Flash Memory (28FxxxJ3D) Conversion Guide

Products Affected / Intel Ordering Codes:

easyBGA Pb

Pre-Conversion Product Code	Pre-Conversion Spec/ROM	Pre-Conversion MM#	Post-Conversion Product Code	Post-Conversion Spec/ROM	Post-Conversion MM#
RC28F128J3C120 853306		853306	RC28F128J3D75 872765		872765
RC28F128J3C120 S L75B	S L75B	854772	RC28F128J3D75 872765		872765
RC28F128J3C120 S L75C	S L75C	854773	RC28F128J3D75 S B93	S B93	872761
RC28F128J3C120 S L75D	S L75D	854776	RC28F128J3D75 S B48	S B48	872763
RC28F128J3C120 S L7HC	S L7HC	860796	RC28F128J3D75 S B93	S B93	872761
RC28F128J3C120 S L7JS	S L7JS	861002	RC28F128J3D75 872765		872765
RC28F128J3C120 S L7JT	S L7JT	861003	RC28F128J3D75 S B48	S B48	872763
RC28F128J3C150 848536		848536	RC28F128J3D75 872765		872765
RC28F128J3C150 S B48	S B48	848537	RC28F128J3D75 S B48	S B48	872763
RC28F128J3C150 S B93	S B93	848535	RC28F128J3D75 S B93	S B93	872761
RC28F128J3C150 S L755	S L755	854763	RC28F128J3D75 872765		872765
RC28F128J3C150 S L756	S L756	854762	RC28F128J3D75 S B93	S B93	872761
RC28F128J3C150 S L757	S L757	854764	RC28F128J3D75 S B48	S B48	872763
RC28F128J3C150 S L8RQ	S L8RQ	873315	RC28F128J3D75 872765		872765

easyBGA Pb Free

Pre-Conversion Product Code	Pre-Conversion Spec/ROM	Pre-Conversion MM#	Post-Conversion Product Code	Post-Conversion Spec/ROM	Post-Conversion MM#
PC28F128J3C120 861863		861863	PC28F128J3D75 872865		872865
PC28F128J3C120 S B48	S B48	861850	PC28F128J3D75 S B48	S B48	872768
PC28F128J3C120 S B93	S B93	861851	PC28F128J3D75 S B93	S B93	872775

TSOP Pb

Pre-Conversion Product Code	Pre-Conversion Spec/ROM	Pre-Conversion MM#	Post-Conversion Product Code	Post-Conversion Spec/ROM	Post-Conversion MM#
TE28F128J3C120 853313		853313	TE28F128J3D75 872764		872764
TE28F128J3C120 S B48	S B48	853293	TE28F128J3D75 S B48	S B48	872762
TE28F128J3C120 S B93	S B93	853292	TE28F128J3D75 S B93	S B93	872760
TE28F128J3C120 S L75F	S L75F	854777	TE28F128J3D75 872764		872764
TE28F128J3C120 S L75G	S L75G	854778	TE28F128J3D75 S B93	S B93	872760
TE28F128J3C120 S L75H	S L75H	854779	TE28F128J3D75 S B48	S B48	872762
TE28F128J3C120 S L7GP	S L7GP	860760	TE28F128J3D75 872764		872764
TE28F128J3C120 S L7GT	S L7GT	860761	TE28F128J3D75 S B48	S B48	872762
TE28F128J3C120 S L7HB	S L7HB	860795	TE28F128J3D75 S B93	S B93	872760
TE28F128J3C150 848539		848539	TE28F128J3D75 872764		872764
TE28F128J3C150 S B93	S B93	848538	TE28F128J3D75 S B93	S B93	872760
TE28F128J3C150 S L758	S L758	854767	TE28F128J3D75 872764		872764
TE28F128J3C150 S L759	S L759	854768	TE28F128J3D75 S B93	S B93	872760
TE28F128J3C150 S L75A	S L75A	854771	TE28F128J3D75 S B48	S B48	872762
TE28F128J3C150 S L8RP	S L8RP	873314	TE28F128J3D75 872764		872764

TSOP Pb Free

Pre-Conversion Product Code	Pre-Conversion Spec/ROM	Pre-Conversion MM#	Post-Conversion Product Code	Post-Conversion Spec/ROM	Post-Conversion MM#
JS28F128J3C120 865676		865676	JS28F128J3D75 872766		872766
JS28F128J3C120 Q CP3	Q CP3	868829	JS28F128J3D75 S B93	S B93	872776
JS28F128J3C120 S B48	S B48	865711	JS28F128J3D75 S B48	S B48	872767
JS28F128J3C120 S B93	S B93	865677	JS28F128J3D75 S B93	S B93	872776

Samples

Sample Product Code	Sample Spec/ROM	Sample MM#	Package	Pb/Pb-Free	Media
RC28F128J3D75 Q DS9	Q DS9	871824	EasyBGA	Pb	2 pc tube
RC28F128J3D75 Q DT0	Q DT0	871825	EasyBGA	Pb	144 pc tray
RC28F128J3D75 Q DT1	Q DT1	871826	EasyBGA	Pb	200 pc reel
PC28F128J3D75 Q DT2	Q DT2	872028	EasyBGA	Pb-Free	2 pc tube
PC28F128J3D75 Q EE5	Q EE5	872030	EasyBGA	Pb-Free	144 pc tray
PC28F128J3D75 Q EE6	Q EE6	872032	EasyBGA	Pb-Free	200 pc reel
TE28F128J3D75 Q DS3	Q DS3	871696	TSOP	Pb	2 pc tube
TE28F128J3D75 Q DS4	Q DS4	871697	TSOP	Pb	96 pc tray
TE28F128J3D75 Q DS5	Q DS5	871698	TSOP	Pb	200 pc reel
JS28F128J3D75 Q DS6	Q DS6	872027	TSOP	Pb-Free	2 pc tube
JS28F128J3D75 Q DS7	Q DS7	872029	TSOP	Pb-Free	96 pc tray
JS28F128J3D75 Q DS8	Q DS8	872031	TSOP	Pb-Free	200 pc reel

Reference Documents / Attachments:

Document:

Location #:

PCN Revision History:

Date of Revision:

June 29, 2005

Revision Number:

00

Reason:

Originally Published PCN