



# Product Change Notification

## 110226- 01

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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 #:** 110226 - 01  
**Change Title:** **Boxed Intel® Core™ i3-530, i3-540 and i5-650 processors, PCN 110226-01, Product Design, C2 to K0 Stepping Conversion, Reason for Revision: Pulling in RTR date for the Intel® Core™ i3-540 and i5-650 Processors to September 28, 2010**  
**Date of Publication:** **September 27, 2010**

## Key Characteristics of the Change:

Product Design

## Forecasted Key Milestones:

	Intel® Core™ i3-530 processor	Intel® Core™ i3-540 and i5-650 processors
<b>Date Customer Must be Ready to Receive Post-Conversion Material</b>	October 16, 2010	September 28, 2010
<b>Date of First Availability of Post-Conversion Material:</b>	October 16, 2010	September 28, 2010

*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:

**Reason for Revision:** Revising the Intel® Core™ i3-540 and i5-650 processors Date Customer Must be Ready to Receive Post-Conversion Material from October 16, 2010 to September 28, 2010.

### From Original PCN:

Intel is initiating a C-2 to K-0 stepping conversion for the Intel® Core™ i3-530, i3-540 and i5-650 processors where they will undergo the following changes::

- . New S-spec and MM numbers for the converting products
- . Extended CPUID will change from 0x00020652 to 0x00020655
- . Host RevID will change from 0x12 to 0x18
- . K0 stepping package is pin compatible with C2 stepping package
- . Adds Processor Context ID (PCID) support

## Customer Impact of Change and Recommended Action:

Intel anticipates no change to customer platforms designed to Intel guidelines. Minimal re-qualification and/or validation are expected for features already supported on the C2 stepping. Intel® Core™ i3-530, i3-540 and i5-650 processors on K0 stepping will require a BIOS update. With the BIOS update implemented both C2 and K0 stepping processors will be supported. For customers implementing their own BIOS, it is necessary to incorporate the latest Microcode Update (MCU) to support the K-0 stepping. Please contact your local Intel representative for further technical questions. Customer should update to the latest Intel Integrated Graphics drivers for K-0 step processors. Customers who want to continue using the Intel® Stable Image Platform Program (Intel® SIPP) drivers with K-0 step processors should confirm BIOS support for Compatibility Rev ID (CRID). Customers should be ready to receive a combination of C2 stepping material and K0 stepping material by the "Date Customer Must be Ready to Receive Post-Conversion Material" as shown in the milestones above.

## Products Affected / Intel Ordering Codes:

Box Intel® Core™ i3-530, i3-540 and i5-650 processors									
Processor #	GHz	Pre Conversion Material				Post Conversion Material			
		Product Code	S-Spec	MM#	Stepping	Product Code	S-Spec	MM#	Stepping
i3-530	2.93	BX80616i3530	S LBLR	904852	C2	BX80616i3530	S LBX7	908510	K0
		BXC80616i3530	SLBLR	904858	C2	BXC80616i3530	S LBX7	908518	K0
i3-540	3.06	BX80616i3540	S LBMQ	904853	C2	BX80616i3540	S LBTJ	908511	K0
		BXC80616i3540	SLBMQ	904859	C2	BXC80616i3540	SLBTD	908519	K0
i5-650	3.20	BX80616i5650	S LBLK	904854	C2	BX80616i5650	S LBTJ	908512	K0
		BXC80616i5650	SLBLK	904860	C2	BXC80616i5650	SLBTJ	908520	K0

## Reference Documents / Attachments:

Document:

Location #:

## PCN Revision History:

Date of Revision: Revision Number: Reason:

Sept 16, 2010

00

Originally Published PCN

Sept 28, 2010

01

Revised RTR date of i3-540 and i5-650 processors