



# Product Change Notification

## 107094 - 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.

**Americas Contact:** [asmo.pcn@intel.com](mailto:asmo.pcn@intel.com)

**Asia Pacific Contact:** [apacgccb@intel.com](mailto:apacgccb@intel.com)

**Europe Email:** [eccb@intel.com](mailto:eccb@intel.com)

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# Product Change Notification

**Change Notification #:** 107094 - 00  
**Change Title:** Boxed Intel® Pentium® 4 Processors 631, 641 and 651, PCN 107094-00, Product Design, C-1 to D-0 Stepping Conversion  
**Date of Publication:** December 14, 2006

## Key Characteristics of the Change:

Product Design

## Forecasted Key Milestones:

<b>Date Customer Must be Ready to Receive Post-Conversion Material:</b>	Jan 26, 2007
<b>Date of First Availability of Post-Conversion Material:</b>	Jan 26, 2007

*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.*

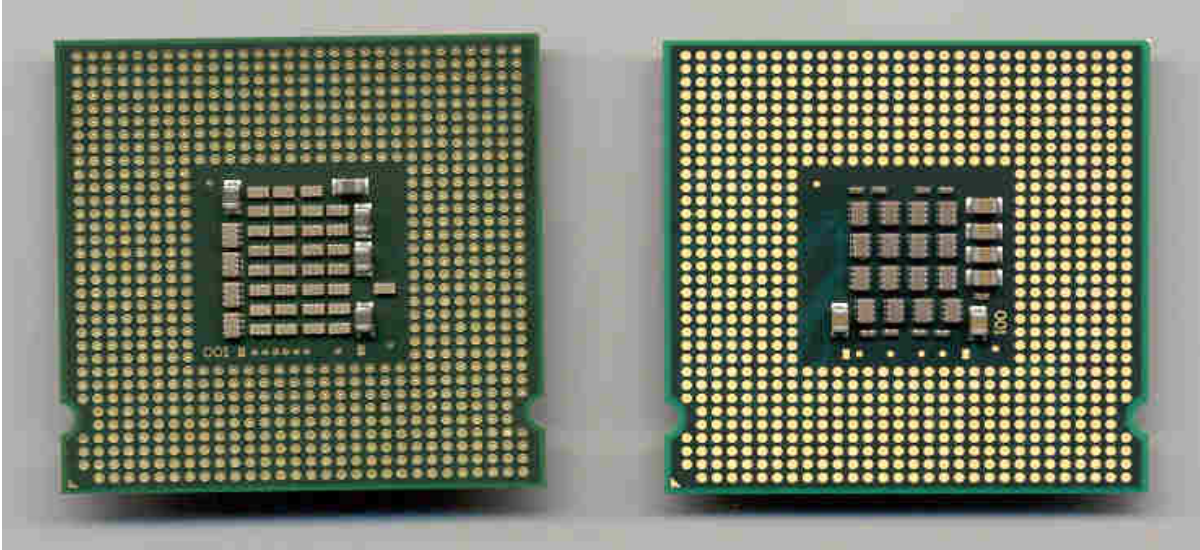
## Description of Change to the Customer:

The boxed Intel® Pentium® 4 processors 631, 641 and 651 will undergo the following changes for the C-1 to D-0 processor stepping conversion:

- CPUID will change from F64 to F65.
- New S-specs for converting products.
- Converting products will change from the 2005 Mainstream FMB (95W) to the 2006 FMB (65W)
- TDP will change from 86W to 65W, Max Icc will change from 100A to 65A, Max Icc\_StopGrant will change from 50A to 40A, Max Icc\_Enhanced\_auto\_halt will change from 40A to 25A, and thermal profile will change from 05A to 06 thermal profile.
- The Electrical, Mechanical and Thermal Specifications remain within the current specifications. Intel anticipates no changes to current customer platforms designed to Intel guidelines
- Converting products will ship in the Alternate Equivalent package only. While the packages are visually different, Intel anticipates no changes to customer platforms designed to Intel guidelines (Please see below)

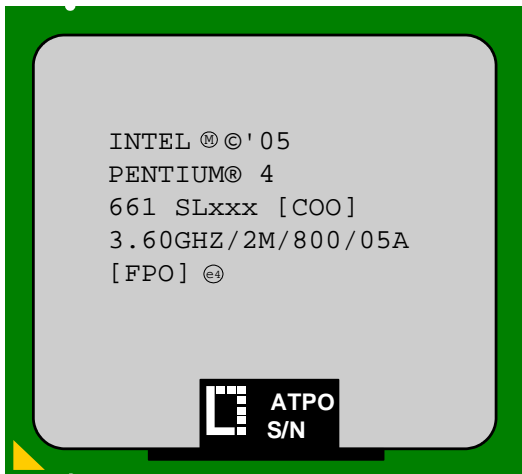
## Original Package

## Alternate Equivalent Package

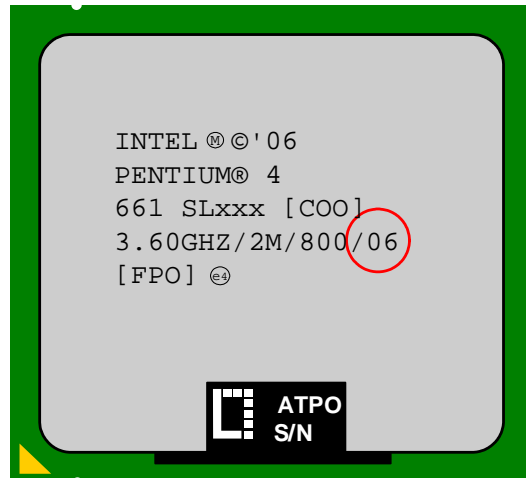


- The Platform Compatibility Guide indicating the processor FMB will be changing from 05 to 06 to the processor mark as illustrated with the following example:

### C-1 Step



### D-0 Step



Please refer to the Intel® Pentium® 4 Processor 6x1 Sequence Datasheet and the Preliminary Intel® Pentium® 4 Processor on 65nm Process Specification Update - NDA for the latest specification information.

### Customer Impact of Change and Recommended Action:

Intel anticipates no impact to customers.

## Products Affected / Intel Ordering Codes:

Processor Number	Frequency	Product Code	Original Package Production Units		Post-Conversion Production Units	
			S-Spec	MM #	S-Spec	MM #
631	3.0 GHz	BX80552631	SL96L	879364	SL9KG	884875
641	3.2 GHz	BX80552641	SL96K	879363	SL9KF	884873
651	3.4 GHz	BX80552651	SL96J	879365	SL9KE	884874

## Reference Documents / Attachments:

Document:

Location #:

## PCN Revision History:

Date of Revision:

December 14, 2006

Revision Number:

00

Reason:

Originally Published PCN