



# Product Change Notification

## 105224 - 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 #:** 105224 - 01  
**Change Title:** Intel® Pentium® D Processors 840, 830 and 820, PCN 105224-01, FFF, A-0 to B-0 Core Stepping Conversion  
**Date of Publication:** September 13, 2005

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

**Key Characteristics of the Change:**  
Product Design

## Forecasted Key Milestones:

<b>Date of Samples Availability:</b>	Aug 05, 2005
<b>Date of Qualification Data Availability:</b>	Oct 07, 2005
<b>Date Customer Must be Ready to Receive Post-Conversion Material for Intel® Pentium® D Processors 840 and 830:</b>	Oct 21, 2005
<b>Date of First Availability of Post-Conversion Material for Intel® Pentium® D Processors 840 and 830:</b>	Oct 21, 2005
<b>Date Customer Must be Ready to Receive Post – Conversion Material for Intel® Pentium® D Processor 820:</b>	March 03, 2006

*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:

### Reasons for Revision 1

This PCN revision is being published to:

- Adjust the Intel® Pentium® D Processor 2.80 GHz ready-to-receive date from October 21, 2005 to March 03, 2006.
- Withdraw/cancel the A-0 to B-0 conversion of the Intel® Pentium® processor Extreme Edition 840. Due to healthier than expected production yields on our Extreme Edition component, Intel has decided to keep the Intel® Pentium® processor Extreme Edition 840 component on the A-0 stepping through End of Life. Please discontinue all validation work on B-0 step for this product.

### From the Original PCN

Intel® Pentium® D processors 840, 830, 820, will undergo the following changes for the A-0 to the B-0 core processor stepping change:

- CPUID will change from F44 to F47
- B-0 is pin compatible with A-0
- New S-Specs for converting products

Please refer to the *Intel Pentium® D Processor 840, 830 and 820 EMTS*, and the *Intel® Pentium® D Processor Specification Update - NDA* for the latest specification information.

### Customer Impact of Change and Recommended Action:

It is recommended that application / system testing be completed on the new stepping. Testing should include verification that major operating systems continue to boot and run confidence tests.

### Products Affected / Intel Ordering Codes:

#### Intel® Pentium® D Processors

Product Code	Processor Number	Frequency	Pre-Conversion Production Units		Post-Conversion Qualification Samples		Post-Conversion Production Units	
			S-Spec	MM #	QDF #	MM #	S-Spec	MM #
HH80551PG0722MN	820	2.80 GHz	S L88T	870804	QEKC	869364	SL8CP	870800
HH80551PG0802MN	830	3.0 GHz	S L88S	870805	QEJB	869327	SL8CN	870801
HH80551PG0882MN	840	3.20 GHz	S L88R	870807	QEIS	869199	SL8CM	870803

### Reference Documents / Attachments:

Document:

Location #:

### PCN Revision History:

Date of Revision:

Revision Number:

Reason:

July 12, 2005

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Originally Published PCN

September 13, 2005

01

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receive date from October 21, 2005  
to March 03, 2006. Withdraw/cancel  
the A-0 to B-0 conversion of the  
Intel® Pentium® processor Extreme  
Edition 840.