



# Product Change Notification

## 103672 – 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 geography 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 #:** 103672 - 00

**Change Title:** Mobile Intel® Pentium® 4 Processors supporting Hyper-Threading Technology with 512KB L2 Cache on 0.13 Micron Process, (533MHz System Bus only), PCN 103672-00, FYI, Cross Shipment of Two Equivalent Packages

**Date of Publication:** October 24, 2003

**Type of Change Notification:**

FYI - (For Your Information)

**Key Characteristics of the Change:**

Product Design – Equivalent packages

**Forecasted Key Milestones:**

<b>Customers Must be Ready to Receive by:</b>	Nov 24, 2003
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*The date "Customers Must be Ready to Receive by" is the projected date that a customer may expect to receive the alternate equivalent package.*

**Description of Change to the Customer:**

Mobile Intel® Pentium® 4 processors supporting Hyper-Threading Technology with 512KB L2 Cache on 0.13 Micron Process (533MHz System Bus only) will be shipped in two equivalent packages. The following describe the two equivalent packages:

- Both packages contain the same die (D-1 stepping)
- Both packages implement the same CPUID (0F29h)
- The electrical and thermal specifications are equivalent for both packages
- The original and the alternate equivalent package differ in the following:

<b>Original Package</b>	<b>Alternate Equivalent Package</b>
6 layer substrate	8 layer substrate
12 caps/20 pads decoupling	30 caps/30 pads decoupling
3.46mm nominal Z height	3.75mm nominal Z height

Note: EMTS Description Table for Tolerance Dimensions  $A1 + A2 = Z$

Mobile Intel® Pentium® 4 processor with 512KB L2 Cache on .13 Micron Process Electrical, Mechanical, and Thermal Specifications (EMTS) will be available by November 7th, 2003 to incorporate the Z-height change. Document number 13737 specification (page 65)

## Customer Impact of Change and Recommended Action:

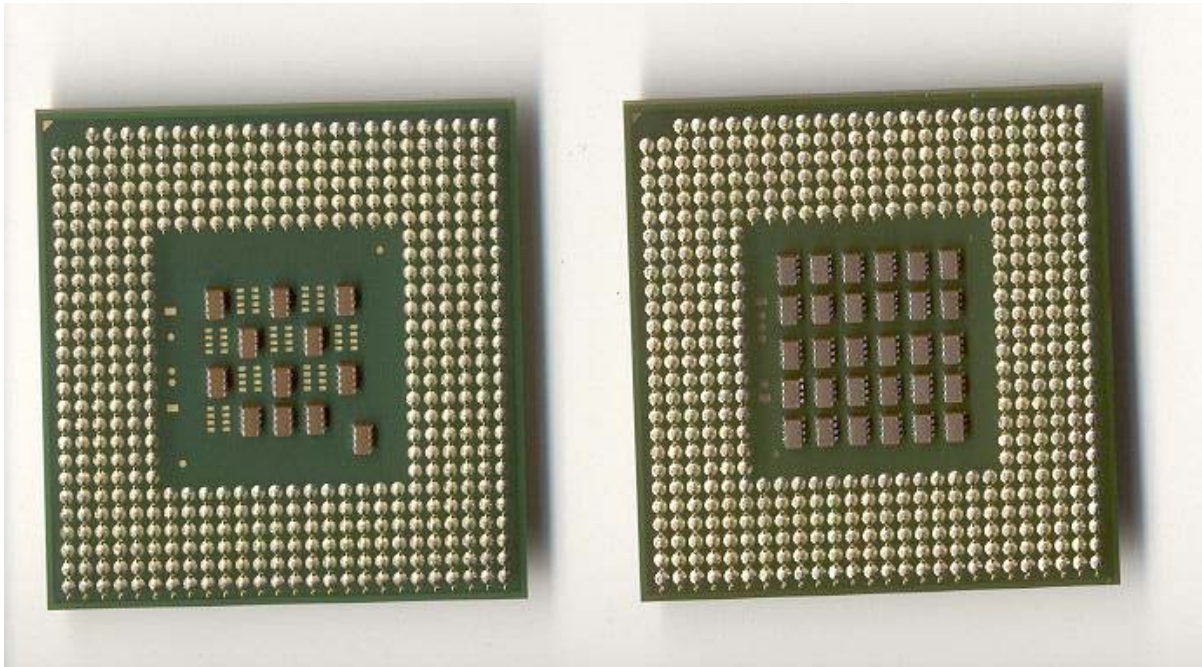
No additional qualification activity is required since both packages are equivalent.

This is NOT a product conversion and both package types will be cross-shipped under the same S-Spec and Material Master number that is set up for the existing package. Intel anticipates no change to the processor performance, quality and reliability.

See below table for Line Items that will be delivered with both package types. Please contact your local field representative for further information.

### Original Package

### Alternate Equivalent Package



## Products Affected / Intel Ordering Codes:

### Mobile Intel® Pentium® 4 Processor supporting Hyper-Threading Technology

Marketing Name	Frequency	Product Code	S-Spec	Material Master #	Stepping
Mobile Intel® Pentium® 4 Processor	2.66 GHz	RK80532HE067512	SL77M	855765	D-1
Mobile Intel® Pentium® 4 Processor	2.80 GHz	RK80532HE072512	SL77N	855766	D-1
Mobile Intel® Pentium® 4 Processor	3.06 GHz	RK80532HE083512	SL77P	855767	D-1
Mobile Intel® Pentium® 4 Processor	3.20 GHz	RK80532HE088512	SL77R	855772	D-1

## Reference Documents / Attachments:

Document:

Location #:

## PCN Revision History:

Date of Revision:

October 24, 2003

Revision Number:

00

Reason:

Originally Published PCN