



Product Change Notification

103670 – 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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Change Notification #: 103670 - 00
Change Title: Intel® Pentium® 4 Processor with 512KB L2 Cache on 0.13 Micron Process, (800MHz System Bus only), PCN 103670-00, FYI, Cross Shipment of Two Equivalent Packages
Date of Publication: October 23, 2003

Type of Change Notification:

FYI - (For Your Information)

Key Characteristics of the Change:

Product Design - Equivalent packages

Forecasted Key Milestones:

Date Customer must be Ready to Receive by:	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:

Intel® Pentium® 4 processor with 512KB L2 Cache on 0.13 micron process (800 MHz 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;

Original Package	Alternate Equivalent Package
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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: Electrical, Mechanical, and Thermal Specification (EMTS) Description Table for Tolerance Dimensions $A1 + A2 = Z$

Intel® Pentium® 4 Processor with 512KB L2 Cache on .13 Micron Process, (EMTS) will be available by October 24th, 2003 to incorporate the Z-height change. Document number 14777 specification (page 82)

Customer Impact of Change and Recommended Action:

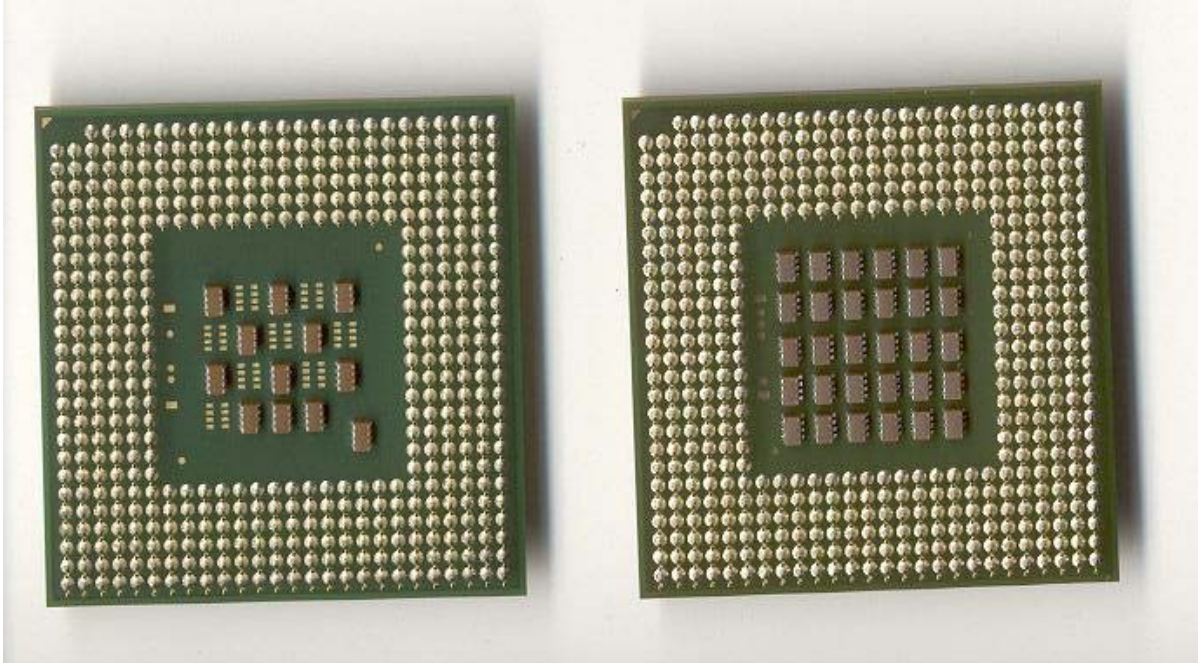
No additional qualification activity is required since both packages are equivalent.

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 through the life of the product. Intel anticipates no change to 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:

Intel® Pentium® 4 Processor

Marketing Name	Frequency	Product Code	S-Spec	Material Master #	Stepping
Intel® Pentium® 4 Processor	3.20 GHz	RK80532PG088512	SL6WG	852351	D-1
Intel® Pentium® 4 Processor	3 GHz	RK80532PG080512	SL6WK	852378	D-1
Intel® Pentium® 4 Processors	2.80 GHz	RK80532PG072512	SL6WJ	852350	D-1
Intel® Pentium® 4 Processors	2.60 GHz	RK80532PG064512	SL6WH	852349	D-1
Intel® Pentium® 4 Processors	2.40 GHz	RK80532PG056512	SL6WF	852348	D-1

Reference Documents / Attachments:

Document:

Location #:

PCN Revision History:

Date of Revision:

October 23, 2003

Revision Number:

00

Reason:

Originally Published PCN