



Product Change Notification

103136 - 00

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Product Change Notification

Change Notification #: 103136 - 00
Change Title: Low Voltage Intel® Xeon™ Processor at 1.6 GHz, PCN 103136-00, FFF, C-1 to D-1 Stepping Conversion
Date of Publication: March 14, 2003

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

Key Characteristics of the Change:

Product Design
Order Code

Forecasted Key Milestones:

Date of Samples Availability:	Mar 24, 2003
Date of Qualification Data Availability:	May 30, 2003
Date Customer Must be Ready to Receive Post-Conversion Material:	Jun 13, 2003
Date of First Availability of Post-Conversion Material:	Jun 13, 2003

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:

Low Voltage Intel® Xeon™ processor at 1.6 GHz will undergo the following changes for the C-1 to D-1 core processor stepping change:

- CPUID will change from 0F27h to 0F29h
- D-1 step is pin compatible with C-1 step
- D-1 step is expected to have equivalent or better ESD (Electro-Static Discharge) system noise immunity
- Bi-directional PROCHOT# pin is enabled for D-1 step

Please refer to revision 1.8 of the *Intel® Xeon™ Processor and the Intel® Xeon™ Processor MP Electrical, Mechanical, and Thermal Specifications (EMTS)*, and March 2003 revision of the *NDA Supplement to the Intel® Xeon™ Processor Specification Update* for the latest specification information.

Customer Impact of Change and Recommended Action:

Although no significant changes are expected in electrical and thermal specifications relative to the C-1 stepping, it is recommended that a full qualification be done with the Low Voltage Intel® Xeon™ processor, with the new D-1 stepping core.

It is recommended that application testing should include verification that major operating systems continue to boot and run confidence tests.

Samples will be available on frequency-limited* fuse configuration.

**Frequency-limited samples will operate up to, but not above, their specified frequency.*

Products Affected / Intel Ordering Codes:

Component Product Table Low Voltage Intel® Xeon™ Processor

Frequency	Pre-Conversion Production Units			Post-Conversion Qualification Samples		Post-Conversion Production Units		
	Product Code	S-Spec	MM #	QDF #	MM#	Product Code	S-Spec	MM #
1.6 GHz	RK80532EC025512	S L6GV	849205	QQV2	852572	RK80532EC025512	S L6XK	852509

Reference Documents / Attachments:

Document:

Location #:

PCN Revision History:

Date of Revision:

Revision Number:

Reason:

March 14, 2003

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Originally Published PCN