



Product Change Notification

107545 - 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.

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Product Change Notification

Change Notification #: 107545 - 00
Change Title: Intel® Core™2 Duo mobile processors T5500 & T5600, PCN 107545-00, Product Design, B-2 to L-2 stepping Conversion
Date of Publication: May 14, 2007

Key Characteristics of the Change:

Product Design

Forecasted Key Milestones:

Date Customer Must be Ready to Receive Post-Conversion Material:	Jun 15, 2007
Date of First Availability of Post-Conversion Material:	Jun 15, 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:

In order to incorporate die size optimizations for manufacturability, Intel is converting the Intel® Core™2 Duo mobile processors T5600 and T5500 from B-2 Stepping to L-2 Stepping.

- A BIOS update is required for L-2 Step products

CPUID will change. Merom L-2 Stepping will require a Micro-Code Update.
No platform thermal changes expected to platforms designed to Intel guidelines.
Minor visible difference between the B-2 and L-2 packages
Merom L-2 Stepping is pin compatible with Merom B-2 Stepping

Please refer to the Electrical, Mechanical, and Thermal Specifications 2.2 - NDA (EMTS), for the latest specification information.

Customer Impact of Change and Recommended Action:

- Minimal validation effort for this conversion is expected as there are no logic changes between B-2 Stepping and L-2 Stepping
- L-2 stepping will require a BIOS Update with updated micro-code for the new stepping
- No platform thermal changes expected
- Customers should be ready to receive a combination of both B-2 step material and L-2 step material by June 15, 2007

Products Affected / Intel Ordering Codes:

Processor#	Frequency	Pre Conversion Stepping	Pre Conversion Product Code	Pre Conversion S-Spec	Pre Conversion MM#	Post Conversion Stepping	Post Conversion Product Code	Post Conversion S-Spec	Post Conversion MM#
T5600	1.83GHz	B-2	BX80537T5600	S L9SG	884604	L-2	BX80537T5600	S L9U3	887590
T5500	1.66GHz	B-2	BX80537T5500	S L9SH	885426	L-2	BX80537T5500	S L9U4	887591

Reference Documents / Attachments:

Document:

Location #:

PCN Revision History:

Date of Revision:

May 14, 2007

Revision Number:

00

Reason:

Originally Published PCN