



Product Change Notification

107548 - 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 #: 107548 - 00
Change Title: Intel® Core™2 Duo Desktop Processor E4400, PCN 107548-00, Product Design, L-2 to M-0 Stepping Conversion
Date of Publication: May 14, 2007

Key Characteristics of the Change:

Product Design

Forecasted Key Milestones:

| | |
|-------------------------------------------------------------------------|-----------------|
| Date of Samples Availability: | Jun 18-22, 2007 |
| Date of Qualification Data Availability: | Jul 13, 2007 |
| Date Customer Must be Ready to Receive Post-Conversion Material: | Aug 13, 2007 |
| Date of First Availability of Post-Conversion Material: | Jul 16, 2007 |

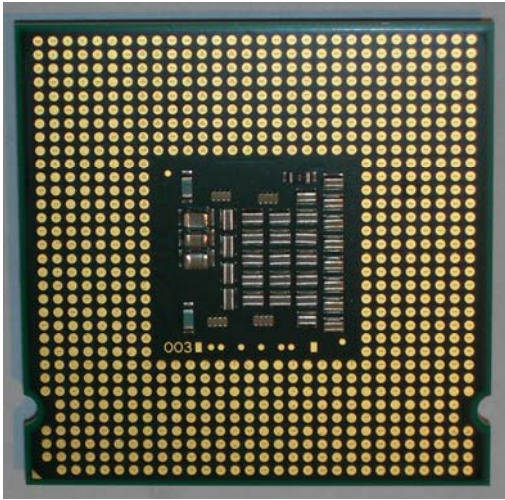
The date of "First Availability of Post-Conversion Material" is the projected date that a customer may expect to receive the Post-Conversion Materials. This date is determined by the projected depletion of inventory at the time of the PCN publication. The depletion of inventory may be impacted by fluctuating 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:

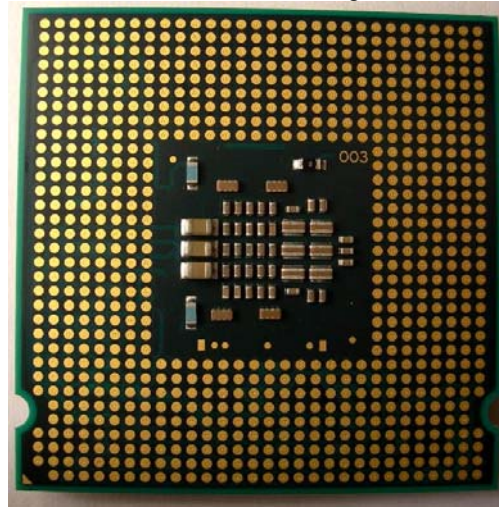
The Intel® Core™2 Duo desktop processor E4400 will undergo the following changes for the L-2 to M-0 stepping conversion:

- New S-Spec and Material Master Number for the converting product
- CPUID will change from 6F2 to 6FD
- The Electrical and Mechanical Specifications remain within the current specifications. Intel anticipates no changes to customer platforms designed to previous Intel guidelines
- Thermal specification has changed:
 - Extended HALT power specification will reduce from 12 Watts to 8 Watts
 - Maximum allowed Case Temperature will increase from 61.4°C to 73.2°C
 - Tcontrol offset will remain the same relative to 0 with the increase in maximum allowed Case Temperature, which will help reduce acoustics
- Minor visible difference between the L-2 and M-0 packages (see below for a visual comparison).
 - While the packages are visually different, the M-0 package is pin-compatible with the L-2 package and Intel anticipates no changes to customer platforms designed to Intel guidelines.

Original L-2 Package



New M-0 Package



Customer Impact of Change and Recommended Action:

Minimal re-qualification and/or validation is expected for the M-0 stepping conversion due to no feature set changes between the L-2 and M-0 steppings. Thermal qualification may be required if a new thermal solution is implemented to take advantage of the maximum allowed Case Temperature change.

Refer to Intel® Core™2 Extreme Processor X6800 and Intel® Core™2 Duo Desktop Processor E6000 and E4000 Sequence Electrical, Mechanical, and Thermal Specifications (EMTS).

The Intel® Core™2 Duo desktop processor E4400 M-0 stepping will require a BIOS update. Once customers implement the BIOS update, they will be able to accept both L-2 stepping material and M-0 stepping material. Customers should be ready to receive a combination of both L-2 stepping material and M-0 stepping material by the "Date Customer Must be Ready to Receive Post-Conversion Material" above.

Products Affected / Intel Ordering Codes:

| Processor# | Frequency | Pre Conversion Product Code | Pre Conversion S-Spec | Pre Conversion MM# | Post Conversion Qualification Samples QDF# | Post Conversion Qualification Samples MM# | Post Conversion Product Code | Post Conversion S-Spec | Post Conversion MM# |
|------------|--------------|-----------------------------|-----------------------|--------------------|--------------------------------------------|-------------------------------------------|------------------------------|------------------------|---------------------|
| E4400 | 2.00G 2M 800 | HH80557PG0412M | SLA3F | 888210 | QYQW | 890038 | HH80557PG0412M | SLA98 | 890243 |

Reference Documents / Attachments:

Document: _____ Location #: _____

PCN Revision History:

Date of Revision: May 14, 2007 Revision Number: 00 Reason: Originally Published PCN