



Product Change Notification

108660 – 01

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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 #: 108660 - 01
Change Title: Intel® Core™2 Duo Processor T9600, T9400, P9500, P8600, P8400, Intel® Core™2 Extreme Processor X9100, PCN 108660-01, Product Design, Stepping Conversion, Reason for Revision: X9100 will remain at C-0 stepping
Date of Publication: November 6, 2008

Key Characteristics of the Change:

Product Design

Forecasted Key Milestones:

	T9600,T9400, P9500	P8600, P8400
Date of Samples Availability:	Sep 05, 2008	Sep 05, 2008
Date of Qualification Data Availability:	Nov 03, 2008	Nov 19, 2008
Date Customer Must be Ready to Receive Post-Conversion Material:	Dec 08, 2008	Dec 08, 2008
Date of First Availability of Post-Conversion Material:	Nov 10, 2008	Nov 24, 2008

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:

Reason for Revision: The Intel® Core™2 Extreme Processor X9100 will no longer convert to E-0 step. It will remain on C-0 step throughout the life of the product.

The Intel® Core™2 Duo processors T9600, T9400, P9500, P8600 and P8400 on the Montevina platform will undergo a stepping conversion to incorporate speed enhancements. There is no form, fit or function change between the stepping conversions. Specifics of the stepping change are:

- No change in terms of electrical, mechanical, and thermal specification between stepping conversions
- New stepping incorporates speed path improvements to enable higher frequency bins
- CPUID will change from 00010676h to 0001067Ah

- BIOS changes are required to implement new CPUID
- New S-Spec and MM numbers for converting products
- Parametric details are in the processor specifications update
- Contact your local Intel Corporation field representative for schedules to obtain latest specification information.

Customer Impact of Change and Recommended Action:

Intel anticipates a minimal validation effort for this conversion due to no form, fit and function changes between stepping conversions.

Customers will need BIOS update. Once BIOS is updated customers will be able to accept both new stepping and previous stepping product.

Customers should be prepared to receive a combination of both new stepping and previous stepping material by the Ready-to-Receive date.

Products Affected / Intel Ordering Codes:

Intel® Core™2 Duo Processor T9600, T9400, P9500										
Marketing Name	Freq.	Affected Conversion Product Code	Pre Conver. S-Spec	Pre Conver. MM#	Pre Conver. Stepping	Post Conversion Qualification Samples QDF#	Post Conversion Qualification Samples MM#	Post Conver. S-Spec	Post Conversion MM#	Post Conver. Stepping
Intel® Core™2 Duo Processor T9600	2.80 GHZ	AV80576GH0726 M	S LB43	897768	C-0	QHBZ	897893	S LGEM	899752	E-0
Intel® Core™2 Duo Processor T9600	2.80 GHZ	AW80576GH0726 M	S LB47	897702	C-0	QHBM	897872	S LG9F	899755	E-0
Intel® Core™2 Duo Processor T9400	2.53 GHZ	AV80576GH0616 M	S L3BX	897767	C-0	QHCC	898034	S LGEK	899753	E-0
Intel® Core™2 Duo Processor T9400	2.53 GHZ	AW80576GH0616 M	S LB46	897703	C-0	QHBJ	897870	S LGE5	899771	E-0
Intel® Core™2 Duo Processor P9500	2.53 GHZ	AW80576SH0616 M	S LB4E	897772	C-0	QJXC	899521	S LGE8	899772	E-0

Intel® Core™2 Duo Processor P8600, P8400

Marketing Name	Freq.	Affected Product Code	Pre Conver. S-Spec	Pre Conver. MM#	Pre Conver. Stepping	Post Conversion Qualification Samples QDF#	Post Conversion Qualification Samples MM#	Post Conver. S-Spec	Post Conversion MM#	Post Conver. Stepping
Intel® Core™2 Duo Processor P8600	2.40 GHZ	AV80577SH0563 M	S LB4N	897695	M-0	QHWC	898471	S LGDZ	899790	R-0
Intel® Core™2 Duo Processor P8600	2.40 GHZ	AW80577SH0563 M	S LB3S	897612	M-0	QHXT	898447	S LGFD	899834	R-0
Intel® Core™2 Duo Processor P8400	2.26 GHZ	AV80577SH0513 M	S LB4M	897696	M-0	QHVZ	898470	S LGE2	899792	R-0
Intel® Core™2 Duo Processor P8400	2.26 GHZ	AW80577SH0513 M	S LB3R	897611	M-0	QHXQ	898444	S LGFC	899858	R-0

Reference Documents / Attachments:

Document:

Location #:

PCN Revision History:

Date of Revision:

August 6, 2008

November 6, 2008

Revision Number:

00

01

Reason:

Originally Published PCN

X9100 will remain at C stepping