



Product Change Notification

108312- 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 #: 108312 - 01
Change Title: Intel® ICH8M, ICH8M-Enhanced, ICH8M-S, and ICH8M-S Enhanced Mobile Chipsets, PCN 108312-01, Product Design, B-1 to B-2 stepping conversion, Reason for Revision: Moved the Customer Ready to Receive Date and First Availability of Post Conversion Material Date earlier
Date of Publication: May 12, 2008

Key Characteristics of the Change:

Product Design

Forecasted Key Milestones:

Date of Qualification Data Availability:	May 02, 2008
Date Customer Must be Ready to Receive Post-Conversion Material:	May 19, 2008
Date of First Availability of Post-Conversion Material:	June 02, 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: Moved the Customer Ready to Receive Date and First Availability of Post Conversion Material Date earlier.

The Mobile Intel® ICH8M chipset family for Santa Rosa-based platforms is converting from the B-1 stepping to the B-2 stepping. This change to the silicon fixes the issues associated with the Intel® I/O Controller Hub 8 (ICH8) SATA Gen1 Initialization / LPM Erratum.

The ICH8M B-2 stepping will have Rev ID change to 04h. Other than a change to Rev ID, there are no changes to functionality.

Intel is not planning to issue samples for the B-2 stepping.

Customer Impact of Change and Recommended Actions:

The B-2 stepping of the Mobile Intel® ICH8M chipset family will be backwards compatible with platforms validated with the B-1 stepping.

With the B-2 stepping, customers who have implemented the BIOS workaround contained in the Intel® I/O Controller Hub 8 (ICH8) SATA Gen1 Initialization / LPM Erratum which enables an additional SATA port or disables LPM, are recommended to update their BIOS and remove the workaround.

The new S-Spec and MM numbers associated with the B-2 stepping are provided below for the Mobile Intel® ICH8M chipset family.

Customer should continue to ship Santa Rosa-based platforms with production ICH8M parts on B-1 stepping until B-2 parts become available for order. Customers need to update their ordering process to place new Mobile Intel® ICH8M chipset orders on the B-2 stepping with the new S-Spec and MM# once B-2 becomes available for order.

Products Affected / Intel Ordering Codes:

Marketing Name	Product Code	Pre Conversion S-Spec	Pre Conversion MM#	Pre Conversion Stepping	Post Conversion S-Spec	Post Conversion MM#	Post Conversion Stepping
Intel® ICH8M	NH82801HBM	SLA5Q	888654	B-1	SLB9A	898274	B-2
Intel® ICH8M-Enhanced	NH82801HEM	SLA5R	888655	B-1	SLB9B	898282	B-2
Intel® ICH8M-S	PC82801HUB	SLAMP	893341	B-1	SLBA4	898269	B-2
Intel® ICH8M-S Enhanced	PC82801HUX	SLAHY	891953	B-1	SLBA3	898265	B-2

Reference Documents / Attachments:

Document:

Location #:

PCN Revision History:

Date of Revision:

March 21, 2008

May 12, 2008

Revision Number:

00

01

Reason:

Originally Published PCN

Moved the Customer Ready to Receive Date and First Availability of Post Conversion Material Date earlier