



# Product Change Notification

## 108833 - 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 #:** 108833 - 01  
**Change Title:** Mobile Intel® GM45, PM45 and GL40 Express Chipset, PCN 108833-01, Product Design, Stepping Change, Reason for Revision: Removing GM45 and PM45 from Conversion and Revising Milestones  
**Date of Publication:** January 30, 2009

## Key Characteristics of the Change:

Product Design

## Forecasted Key Milestones:

<b>Date of Samples Availability:</b>	Oct 10, 2008
<b>Date of Qualification Data Availability:</b>	Jan 19, 2009
<b>Date Customer Must be Ready to Receive Post-Conversion Material:</b>	Jan 30, 2009
<b>Date of First Availability of Post-Conversion Material:</b>	Jan 30, 2009

*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: Removing GM45 and PM45 from Conversion and Revising Milestones

GM45 and PM45 will remain on the current stepping (B-3).

The milestones for the GL40 have been revised.

The Mobile Intel® GM45, PM45 and GL40 Express Chipset will undergo a stepping conversion synchronized with the previously announced Intel® Core™2 Duo processors T9600, T9400, P9500, P8600, P8400 and the Intel® Core™2 Extreme Processor X9100 CPU conversion. 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
- Revision ID will change from 07h to 09h

- BIOS changes and MRC (Memory Reference Code) update are required for the converting products
- New S-Spec and MM numbers for converting products
- Contact your local Intel Corporation field representative for the latest chipset 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 a BIOS update and an MRC update. Once BIOS and MRC are 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:

Mobile Intel® GM45, PM45 and GL40 Express Chipset									
Marketing Name	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
Mobile Intel® GM45 Express Chipset	AC82GM45	S LB94	898200	B-3	QV08	899268	S LGGK	900094	A-1
Mobile Intel® PM45 Express Chipset	AC82PM45	S LB97	898203	B-3	QV11	899265	S LGGN	900101	A-1
Mobile Intel® GL40 Express Chipset	AC82GL40	S LB95	898201	B-3	QV10	899266	S LGGM	900100	A-1

### Reference Documents / Attachments:

Document:

Location #:

### PCN Revision History:

Date of Revision:

Revision Number:

Reason:

September 20, 2008

00

Originally Published PCN

January 30, 2009

01

Removing GM45 and PM45 from Conversion and Revising Milestones