



Product Change Notification

108529 - 03

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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 #: 108529 - 03
Change Title: Intel® Core™2 Duo Mobile Processors T7400 & L7400 and Intel® Celeron® M Processor 530 (Merom - Napa Refresh), PCN 108529-03, Product Design, B-2 to G-2 Stepping Conversion, Reason for Revision: Change G-0 to G-2 Stepping and Correct Post Conversion MM#
Date of Publication: March 30, 2009

Key Characteristics of the Change:

Product Design

Forecasted Key Milestones:

	PGA Products	BGA Products
Date of Samples Availability:	Dec 03, 2008	Dec 23, 2008
Date of Qualification Data Availability:	Oct 17, 2008	Oct 17, 2008
Date Customer Must be Ready to Receive Post-Conversion Material:	Mar 27, 2009	Mar 27, 2009

Description of Change to the Customer:

Reason for Revision: Change G-0 to G-2 Stepping and Correct Post Conversion MM#

Post Conversion MM# 889884 has been changed to MM# 899884

Intel® Core™2 Duo Mobile Processors T7400 & L7400 and Intel® Celeron Processor 530 will undergo the following changes for the B-2 Stepping to G-2 Stepping core processor stepping change:

The new CPUID for Merom G-2 step will be 06FBh. Merom G-2 Stepping will require a new Microcode Update (MCU) and/or BIOS update due to the CPUID change. There may be minor silicon updates internal to the processor. Please refer to the Intel® Core™2 Duo and Intel® Core™2 Solo Processor for Intel® Centrino® Duo Processor Technology Specification Update (Doc #355615) for the latest errata and microcode update details.

Die size has been optimized for manufacturability; No platform thermal changes expected to platforms designed to Intel guidelines;
Minor visible difference between the B-2 and G-2 packages.
Merom G-2 Stepping is fully pin compatible with Merom B-2 Stepping
New S-Spec and MM numbers will be provided for Merom G-2 Step
Qualification Samples & Production units

Please refer to the Intel® Core™2 Duo and Intel® Core™2 Solo Processor for Intel® Centrino® Duo Processor Technology Electrical, Mechanical, and Thermal Specifications (Doc #348462), and Intel® Celeron® M Processor 500 Series for Mobile Intel® 945 Express Chipset Family Electrical, Mechanical, and Thermal Specification (EMTS)(Doc #355986) for the latest technical specifications.

Customer Impact of Change and Recommended Action:

Intel anticipates no major changes to customer platforms designed to Intel guidelines.

As there are no significant feature changes between Merom G-2 Stepping and Merom B-2 Stepping, minimal validation effort for this conversion is expected. Intel® Core™2 Duo Processors T7400 & L7400 and Intel® Celeron® M Processor 530 G-2 stepping will however require a Microcode Update (MCU) and/or BIOS update due to a CPUID change reflecting the new stepping.

Customers should be ready to receive Merom G-2 stepping material by January 07, 2009.

Products Affected / Intel Ordering Codes:

PGA Products

Processor #	Frequency	Pre-Conversion Product Code	Pre-Conversion S-Spec	Pre-Conversion MM#	Post-Conversion Qual Samples #	Post-Conversion Qual Samples MM#	Post-Conversion Product Code	Post-Conversion S-Spec	Post-Conversion MM#
Intel® Core™2 Duo Processor T7400	2.16 GHz	LF80537GF0484M	S L9SE	884328	S LGFJ	899869	LF80537GF0484M	S LGFJ	899869
Intel® Celeron® M Processor 530	1.73 GHz	LF80537NE0301M	S L9UY	885676	S LGFL	899871	LF80537NE0301M	S LGFL	899871

BGA Products

Processor #	Frequency	Pre-Conversion Product Code	Pre-Conversion S-Spec	Pre-Conversion MM#	Post-Conversion Qual Samples #	Post-Conversion Qual Samples MM#	Post-Conversion Product Code	Post-Conversion S-Spec	Post-Conversion MM#
Intel® Core™2 Duo Processor T7400	2.16 GHz	LE80537GF0484M	S L9SK	884335	SLGFV	899884	LE80537GF0484M	S LGFV	899884
Intel® Core™2 Duo Processor L7400	1.50 GHz	LE80537LF0214M	S L9SM	884337	S LGFX	899898	LE80537LF0214M	S LGFX	899898
Intel® Celeron® M Processor 530	1.73 GHz	LE80537NE0301M	S LA6Y	891080	S LGFY	899899	LE80537NE0301M	S LGFY	899899

Reference Documents / Attachments:

Document:

Location #:

PCN Revision History:

Date of Revision:	Revision Number:	Reason:
August 5, 2008	00	Originally Published PCN
November 3, 2008	01	Adjusting Key Milestone Dates
January 27, 2009	02	Revising Date Customer Must be Ready to Receive
March 30, 2009	03	Change G-0 to G-2 Stepping and Correct Post Conversion MM#