



# Product Change Notification

## 110895 - 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 #:** 110895 - 00  
**Change Title:** Selected Intel® Celeron® M Processor, Intel® Integrated Processors, Intel® Network Processors, Intel® Pentium® M Processors, PCN 110895-00, Product Material, Conversion to Lead (Pb) Free First Level Interconnect (FLI)  
**Date of Publication:** August 19, 2011

## Key Characteristics of the Change:

Product Material

## Forecasted Key Milestones:

<b>Date Customer Must be Ready to Receive Post-Conversion Material:</b>	03/05/2012
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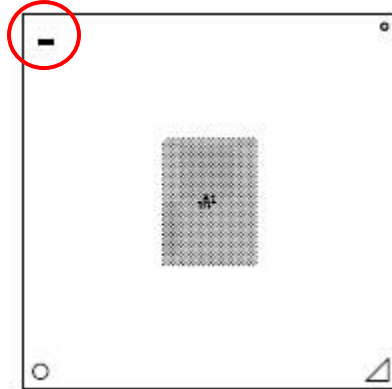
*The date "Customer Must be Ready to Receive Post-Conversion Material" is the projected date that a customer may expect to receive the Materials. This date is determined by the projected depletion of inventory at the time of the PCN publication. The depletion of inventory may be impacted by fluctuating 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 products listed in the table below will undergo the following changes in order to be compliant with Intel's Corporate Green Initiative:

- FLI (First Level Interconnect) material will change from Lead (Pb) based solder bump technology to Pb-Free Copper (Cu) technology.
- Product Codes and MM#s will change as shown in the Products Affected Table.
- As part of the conversion to Copper (Cu), the FLI of the substrate will be upgraded to Nickel (Ni)/Palladium (Pd)/Gold (Au).

- In addition to the above change Intel is incorporating an internal designator of a dash mark "-" that will be visible on the die side of the package and is approximately 300 x 1000um in size. Actual location may differ from example below. This mark is intended for internal purposes only and does not affect the product performance as designed.
- Customer's visual inspection system should be updated to allow for this feature.



### **Customer Impact of Change and Recommended Action:**

Intel anticipates no impact to the customer. Since this is an internal package change to provide a material solution that is RoHS compliant, Intel has qualified and certified this change in the same way as all products supplied to our customers. The customer could use either pre-PCN or Post-PCN material in the same way with no change to electrical performance, mechanical use, or stated reliability.

Customers visual inspection system should be updated to allow for the dash mark feature (See above).

Customers may receive both versions until current inventory is depleted. The part numbers would differ and not be mixed in the same shipping box.

## Products Affected / Intel Ordering Codes:

Pre Conversion Product Code	Pre Conversion S-Spec	Pre Conversion MM#	Post Conversion Product Code	Post Conversion S-Spec	Post Conversion MM#
RJ80536GE0412M S L7SQ	S L7SQ	864683	RJ80536GE0412M S LJGC	S LJGC	918273
RJ80536VC001512S L8LQ	S L8LQ	871771	RJ80536VC001512S LJ96	S LJ96	915871
HPIXP2350AE 883920		883920	HPIXP2350AE S LJ5Q	S LJ5Q	915314
HPIXP2350AD 883936		883936	HPIXP2350AD S LJ5R	S LJ5R	915315
HPIXP2350AC 883944		883944	HPIXP2350AC S LJ5S	S LJ5S	915320
HPIXP2325AB 883945		883945	HPIXP2325AB S LJ5T	S LJ5T	915319
HPIXP2350AET 883946		883946	HPIXP2350AET S LJ5U	S LJ5U	915321
HPIXP2350ADT 883947		883947	HPIXP2350ADT S LJ5V	S LJ5V	915322
HPIXP2350ADT S L9QF	S L9QF	883948	HPIXP2350ADT S LJ5W	S LJ5W	915332
HPIXP2350ACT 883949		883949	HPIXP2350ACT S LJ5Y	S LJ5Y	915335
HPIXP2325ABT 883950		883950	HPIXP2325ABT S LJ5Z	S LJ5Z	915334
RJ80536GC0332M S LAFH	S LAFH	891297	RJ80536GC0332M S LJ97	S LJ97	915872
RJ80536LC0172M S LAFJ	S LAFJ	891298	RJ80536LC0172M S LJ95	S LJ95	915870
HP80579EZ009C 896615		896615	HP80579EZ009C S LJ6G	S LJ6G	915582
HP80579EZ004C 896636		896636	HP80579EZ004C S LJ6H	S LJ6H	915584
HP80579EZ600C 896637		896637	HP80579EZ600C S LJ6J	S LJ6J	915586
HPIXP2350ADT S LB76	S LB76	897914	HPIXP2350ADT S LJ5X	S LJ5X	915333
HP80579ED009C S LGT2	S LGT2	902259	HP80579ED009C S LJ7T	S LJ7T	915588
HP80579ED004C S LGT3	S LGT3	902262	HP80579ED004C S LJ7U	S LJ7U	915589
HP80579EB600C S LGT4	S LGT4	902265	HP80579EB600C S LJ7V	S LJ7V	915590

## PCN Revision History:

**Date of Revision:**

August 19, 2011

**Revision Number:**

00

**Reason:**

Originally Published PCN