



# Product Change Notification

## 110467 - 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 #:** 110467 - 01  
**Change Title:** Selected Intel® Pentium® M Processors, Intel® Celeron® M Processors, Intel® Network Processors, Intel® Integrated Processors, Intel® I/O Processors, Intel® Graphic & Memory Controllers, Intel® SAS/SATA Controllers, PCN 110467-01, Product Material, Conversion to Lead (Pb) Free First Level Interconnect (FLI), Reason for Revision: MM# 891181 was included in error and there will be no conversion to FLI PB-Free for this product. No other products on the PCN are affected by this change.  
**Date of Publication:** October 3, 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.*

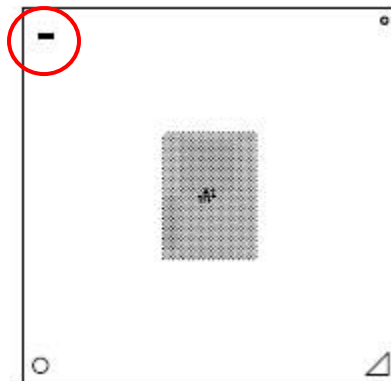
## Description of Change to the Customer:

**Reason for Revision:** MM# 891181 was included in error and there will be no conversion to FLI PB-Free for this product. No other products on the PCN are affected by this change

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.
- Customers visual inspection system should be updated to allow for this feature.



Standard Intermediate Box Labels will be changing per below images:

## Current Label

(P) CUST PROD:	(18) BOX: <b>XX000038</b>				
(V) SUPPLIER: <b>04195</b> (M): (C):	<table border="1"> <tr> <td>MAX REFLOW 260 °C</td> </tr> <tr> <td>TEMP</td> </tr> <tr> <td>LEVEL 3 HOURS 168</td> </tr> <tr> <td>BAG SEAL DATE 06 APR 04</td> </tr> </table>	MAX REFLOW 260 °C	TEMP	LEVEL 3 HOURS 168	BAG SEAL DATE 06 APR 04
MAX REFLOW 260 °C					
TEMP					
LEVEL 3 HOURS 168					
BAG SEAL DATE 06 APR 04					
(1P) IPN: <b>LE80536GE0252M</b>					
(S) SPEC: <b>Q AHU</b> (30P) MM#: <b>861633</b>					
(1T) LOT: <b>54151234</b> (Q) QTY: <b>336</b> (SD) DATE: <b>0415</b>					
(1T) LOT: (Q) QTY: (SD) DATE:					
<b>END LVL INTERCONNECT=e1</b>	ASSEMBLED IN CHINA				

## New Label

(P) CUST PROD:	(1B) BOX: KKP00091
(V) SUPPLIER: 04195 INTEL	MAX REFLOW 260 °C
(1P) IPN: AU80610003495AA	TEMP
(S) SPEC: S LBMF (32P) MM#: 904708	LEVEL 3 HOURS 168
(1T) LOT:	PACK DATE 01OCT09
(Q) QTY: 1320	(SD) DATE:
(1T) LOT:	(Q) QTY:
	(SD) DATE:

ASSEMBLED IN MALAYSIA

RoHS COMPLIANT, e1

### 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#
RH80536GE0412M S L7SM	S L7SM	864656	RH80536GE0412M S LJ8S	S LJ8S	915906
LE80536GE0412M S L869	S L869	867109	LE80536GE0412M S LJ8T	S LJ8T	915860
LE80536LC0172M S L89N	S L89N	868295	LE80536LC0172M S LJ8U	S LJ8U	915861
LE80536VC001512S L8LW	S L8LW	871728	LE80536VC001512S LJ8V	S LJ8V	915862
LE80536NC0211M S L8MT	S L8MT	872115	LE80536NC0211M S LJ92	S LJ92	915867
RH80536NC0211M S L8MM	S L8MM	872299	RH80536NC0211M S LJ8R	S LJ8R	915905
RH80536GC0332M S L8U6	S L8U6	875183	RH80536GC0332M S LJ8Q	S LJ8Q	915904
LE80536GC0332M S L8U8	S L8U8	875186	LE80536GC0332M S LJ8Z	S LJ8Z	915866
LE80554VC0010M S L8XR	S L8XR	876239	LE80554VC0010M S LJ8W	S LJ8W	915863
LE80554VC9000M S L8XS	S L8XS	876240	LE80554VC9000M S LJ8Y	S LJ8Y	915865

LE80554VC8000M S L8XT	S L8XT	876241	LE80554VC8000M S LJ8X	S LJ8X	915864
WPIXP2350AE 883910		883910	WPIXP2350AE S LJ5D	S LJ5D	915348
WPIXP2350AD 883911		883911	WPIXP2350AD S LJ5E	S LJ5E	915350
WPIXP2350AC 883912		883912	WPIXP2350AC S LJ5F	S LJ5F	915351
WPIXP2325AB 883913		883913	WPIXP2325AB S LJ5G	S LJ5G	915352
WPIXP2350AET 883915		883915	WPIXP2350AET S LJ5H	S LJ5H	915353
WPIXP2350ADT 883916		883916	WPIXP2350ADT S LJ5J	S LJ5J	915380
WPIXP2350ADT S L9QG	S L9QG	883917	WPIXP2350ADT S LJ5K	S LJ5K	915381
WPIXP2350ACT 883918		883918	WPIXP2350ACT S LJ5N	S LJ5N	915384
WPIXP2325ABT 883919		883919	WPIXP2325ABT S LJ5P	S LJ5P	915385
LE82Q965 S L9QZ	S L9QZ	884250	LE82Q965 S LJAC	S LJAC	915893
LE80536NE0251M S L9RJ	S L9RJ	884599	LE80536NE0251M S LJ93	S LJ93	915868
WPIXP2350ADT S L9TQ	S L9TQ	884988	WPIXP2350ADT S LJ5L	S LJ5L	915382
WP81348M1218 S L9YC	S L9YC	887071	WP81348M1218 S LJ7K	S LJ7K	916266
WP81348M0818 S L9YD	S L9YD	887072	WP81348M0818 S LJ7L	S LJ7L	916271
WP81348M0618 S L9YE	S L9YE	887246	WP81348M0618 S LJ7M	S LJ7M	916292
WP81342M1220 S L9XZ	S L9XZ	887252	WP81342M1220 S LJ7C	S LJ7C	916175
WP81342M0820 S L9Y2	S L9Y2	887253	WP81342M0820 S LJ7D	S LJ7D	916176
WP81341M1220 S L9Y3	S L9Y3	887254	WP81341M1220 S LJ7E	S LJ7E	916177
WP81341M0820 S L9Y4	S L9Y4	887255	WP81341M0820 S LJ7F	S LJ7F	916258
WP81348M1228 S L9Y9	S L9Y9	887260	WP81348M1228 S LJ7G	S LJ7G	916259
WP81348M0828 S L9YA	S L9YA	887261	WP81348M0828 S LJ7H	S LJ7H	916261
WP81348M0628 S L9YB	S L9YB	887262	WP81348M0628 S LJ7J	S LJ7J	916263
LE82Q963 S LA4X	S LA4X	888526	LE82Q963 S LJAD	S LJAD	915894
WPIXP2350ADTH S LACM	S LACM	890856	WPIXP2350ADT S LJ5M	S LJ5M	915443
LE82Q35 S LAEX	S LAEX	891054	LE82Q35 S LJA7	S LJA7	915750
LE82GME965 S LA9F	S LA9F	891183	LE82GME965 S LJ9Z	S LJ9Z	915746
LE82GLE960 S LA9G	S LA9G	891185	LE82GLE960 S LJA5	S LJA5	915749
WP413812 S LAMU	S LAMU	893386	WP413812 S LJ7A	S LJ7A	916173
WP413808 S LAMV	S LAMV	893388	WP413808 S LJ7B	S LJ7B	916174
NU80579ED009C 896638		896638	NU80579ED009C S LJ68	S LJ68	915594
NU80579ED004C 896639		896639	NU80579ED004C S LJ69	S LJ69	915595
NU80579ED004CT 896640		896640	NU80579ED004CT S LJ6E	S LJ6E	915600
NU80579EB600C 896641		896641	NU80579EB600C S LJ6A	S LJ6A	915596
NU80579EZ009C 896642		896642	NU80579EZ009C S LJ6B	S LJ6B	915597
NU80579EZ004C 896643		896643	NU80579EZ004C S LJ6C	S LJ6C	915598
NU80579EZ600CT 896644		896644	NU80579EZ600CT S LJ6F	S LJ6F	915601
NU80579EZ600C 896645		896645	NU80579EZ600C S LJ6D	S LJ6D	915599
LE80578EG800C S LH4J	S LH4J	905032	LE80578EG800 S LJ74	S LJ74	915561
LE80578EG009C S LH6E	S LH6E	907864	LE80578EG009 S LJ72	S LJ72	915559
LE80578EG001C S LH6F	S LH6F	907866	LE80578EG001 S LJ73	S LJ73	915560
NU3210MC S LALH	S LALH	892698	NU3210MC S LJEF	SLJEF	917457

### PCN Revision History:

**Date of Revision:**

August 19, 2011

October 3, 2011

**Revision Number:**

00

01

**Reason:**

Originally Published PCN  
MM# 891181 was included in error  
and there will be no conversion to  
FLI PB-Free for this product.