



# Product Change Notification

## 105829 - 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 #:** 105829 - 00  
**Change Title:** SE7221BK1-E, ABKPCIEXPUP,  
ABKPCIXUP, PCN 105829-00, FYI, CLASS  
1: RoHS Compliance with Exceptions and  
Additional Components Added  
**Date of Publication:** February 06, 2006

**Type of Change Notification:**  
FYI - (For Your Information)

**Key Characteristics of the Change:**  
Product Design

## Forecasted Key Milestones:

<b>Date of Samples Availability:</b>	Feb 06, 2006
<b>Date of First Availability of Post-Conversion Material:</b>	Apr 11, 2006

*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:

The Intel Server boards SE7221BK1-E are converting from a Leaded (Eutectic) Manufacturing Process to a Pb-Free manufacturing process and is supporting Intel's suppliers' conversion plan of removing lead from components.

Intel is driving this conversion to be aligned with the European Union legislation, which requires Restrictions on Hazardous Substances (RoHS) and bans lead after July 1, 2006 unless covered in and exemption. The Intel server boards described in this Product Change Notification will meet the Server Exemption, allowing leaded solder in the manufacturing process.

The process and component changes have no impact on product form, fit or function. Intel has successfully completed our standard suite of Functional and Qualification testing and has achieved eutectic equivalence.

In addition, there will be a number of component modifications including:

Reference Designators: C7E2, C4R2, C4P11, C4P5, C4P9, C4P6, C4R1, C4P2, C4P8, C4P3

Old Part: EMPTY

New Part: 10uF 0805 (QCI PN CH61001ME96)

Reference Designators: PC7D1, PC6C7, PC6C6, PC7C5, PC6C5, PC6C9, PC7D6, PC7C6, PC6C8, PC7D2, PC7D10, PC7D8, PC7D3, PC7C4, PC7E2, PC7C3, PC6C10, PC7C2

Old Part: EMPTY

New Part: 10uF 1206 (QCI PN CH61001K216)

Reference Designators: PC6C11, PC7D13

Old Part: EMPTY

New Part: 820uF OSCON (QCI PN CC7820JMD20)

Reference Designators: C22

Old Part: EMPTY

New Part: 1000pF (QCI PN CH21006J0A5)

Reference Designators: PQ8B2, PQ8C2, PQ8D2

Old Part: On Semi FET (QCI PN BAM60N00Z08)

New Part: EMPTY

Reference Designators: PC7B1, PC9B4, PC9C2, PC9C5

Old Part: 1500uF OSCON (QCI PN CC81503MD20)

New Part: 1200uF OSCON (QCI PN CC81203MD02)

Reference Designators: C8C2, C8D3, C9B1

Old Part: 10uF (QCI PN CH61004M291)

New Part: EMPTY

Reference Designators: PQ9E1

Old Part: On Semi NTD60N02RT4 (QCI PN BAM60N00Z08)

New Part: Fairchild FDD8896 (QCI PN BAM88960001)

Reference Designators: PR9B11, PR9B14, PR9B16

Old Part: 100Kohm (QCI PN CS41003F908)

New Part: 120Kohm (QCI PN CS41203F905)

Reference Designators: C6D8

Old Part: 22uF (QCI PN CH62201M294)

New Part: 10uF (QCI PN CH61001K216)

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

These changes are NOT expected to affect the Microsoft\* Windows\* operating systems or Linux\* operating systems software driver stack. The changes have been thoroughly evaluated to ensure that there is no quality, reliability or functional implications to our customers.

There is no significant impact on product/process/material performance, quality, reliability, interchangeability, functionality or customer handling and manufacturability.

Intel will not support swap requests between non-RoHS and RoHS SKUs after Mar 31, 2006. All upside/hot-list requests will be granted only on RoHS SKUs after Mar 31, 2006.

There will be a change to Intel ordering codes.

## Products Affected / Intel Ordering Codes:

### Board Products Table

Affected Product Code	Pre-Change MM#	Post-Change MM#	Pre-Change TA or AA	Post-Change TA or AA	Pre-Change PBA	Post-Change PBA
BBKBB	869753	878686	C81521-408	C81521-550	C67508-408	C67508-550
BBKBBLX	869754	878687	C81523-408	C81523-550	C78048-408	C78048-550
SC78048	865062	878688	C82378-408	C82378-550	C78048-408	C78048-550
SE7221BK1	862082	878684	C74673-007	D36735-001	C67508-408	C67508-550
SE7221BK1LX	862069	878685	C82738-005	D36708-001	C78048-408	C78048-550

### Component Product Table

Pre-Conversion Product Code	Pre-Conversion Spec/ROM	Pre-Conversion MM#	Post-Conversion Product Code	Post-Conversion Spec/ROM	Post-Conversion MM#
ABKPCIEXPUP	C81525-101	864842	ABKPCIEXPUP	C81525-150	878705
ABKPCIXUP	C81526-101	864844	ABKPCIXUP	C81526-150	878706

## Reference Documents / Attachments:

Document:

Location #:

## PCN Revision History:

Date of Revision:

February 6, 2006

Revision Number:

00

Reason:

Originally Published PCN