



Product Change Notification

111144 - 00

Information in this document is provided in connection with Intel® products. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Intel's Terms and Conditions of Sale for such products, Intel assumes no liability whatsoever, and Intel disclaims any express or implied warranty, relating to sale and/or use of Intel products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright or other intellectual property right. Intel products are not intended for use in medical, life saving, or life sustaining applications. Intel may make changes to specifications and product descriptions at any time, without notice.

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.

Americas Contact: asmo.pcn@intel.com

Asia Pacific Contact: apacgccb@intel.com

Europe Email: eccb@intel.com

Japan Email: jccb.ijkk@intel.com

Copyright © Intel Corporation 2011. Other names and brands may be claimed as the property of others.

BunnyPeople, Celeron, Celeron Inside, Centrino, Centrino Inside, Cilk, Core Inside, i960, Intel, the Intel logo, Intel AppUp, Intel Atom, Intel Atom Inside, Intel Core, Intel Inside, Intel Insider, the Intel Inside logo, Intel NetBurst, Intel NetMerge, Intel NetStructure, Intel SingleDriver, Intel SpeedStep, Intel Sponsors of Tomorrow, the Intel Sponsors of Tomorrow logo, Intel StrataFlash, Intel vPro, Intel XScale, InTru, the InTru logo, the InTru Inside logo, InTru soundmark, Itanium, Itanium Inside, MCS, MMX, Moblin, Pentium, Pentium Inside, Puma, skool, the skool logo, Sound Mark, The Creators Project, The Journey Inside, Thunderbolt, vPro Inside, VTune, Xeon, and Xeon Inside are trademarks of Intel Corporation in the U.S. and/or other countries.

Learn how to use Intel Trademarks and Brands correctly at <http://www.intel.com/intel/legal/tmusage2.htm>.



Product Change Notification

Change Notification #: 111144 - 00
Change Title: Intel® Desktop Board DZ68BC, Extreme, Boxed and Bulk
PCN 111144-00, Product Design
Improve power capability for USB keyboard & mouse and BIOS update
Date of Publication: November 30, 2011

Key Characteristics of the Change:

Product Design

Forecasted Key Milestones:

Date Customer Must be Ready to Receive Post-Conversion Material:	Dec 12, 2011
---	--------------

Description of Change to the Customer:

The following changes will be made:

1. The USB Charging ports delay circuitry will have resistors PR29 and PR44 changed from 0 ohm to 2M ohm and a 1 uF capacitor will be added at PC22 and PC26. This will enhance the compatibility for the USB Keyboard and Mice when resuming from S3 (Sleep State) and improving USB devices charging capability when changing from S3/S4/S5 states.
2. The resistor RTPS9 will be changed from 10K to 100K OHM, a 1 uF capacitor will be added at PR866 and the transistor at TPS_Q11 will be changed from a MMBT3904-7-F to a N-MOSFET 2N7002. This will enhance the power supply compatibility by changing the board de-bounce timing during power on.
3. The BIOS will be updated from BCZ6810H.86A.0021 to BCZ6810H.86A.0028. To access the release notes or get a copy of the BIOS for evaluation, go to <http://downloadcenter.intel.com>.

Customer Impact of Change and Recommended Action:

This change has been thoroughly evaluated to ensure that there are no quality, reliability or functional implications to our customers. Intel is not recommending additional qualification of these changes on platforms received from Intel.

Intel will attempt to deplete pre-conversion material before shipping post-conversion material but there is a possibility of Intel shipping mixed inventory. Therefore, customers will need to manage and migrate to the post-conversion material as soon as possible.

Milestone dates are estimates and subject to change based on business and operational conditions.

Products Affected / Intel Ordering Codes:

Product Code	MM#	Pre Change AA	Post Change AA
BOXDZ68BC	915788	G30742-401	G30742-402
BLKDZ68BC	915908	G30742-401	G30742-402

PCN Revision History:

Date of Revision:

November 30, 2011

Revision Number:

00

Reason:

Originally Published PCN