



# Product Change Notification

## 106432 - 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](mailto:asmo.pcn@intel.com)

**Asia Pacific Contact:** [apacgccb@intel.com](mailto:apacgccb@intel.com)

**Europe Email:** [eccb@intel.com](mailto:eccb@intel.com)

**Japan Email:** [jccb.ijkk@intel.com](mailto:jccb.ijkk@intel.com)

Copyright © Intel Corporation 2006. Other names and brands may be claimed as the property of others.

Celeron, Centrino, Intel, the Intel logo, Intel Core, Intel NetBurst, Intel NetMerge, Intel NetStructure, Intel SingleDriver, Intel SpeedStep, Intel StrataFlash, Intel Viiv, Intel XScale, Itanium, MMX, Paragon, PDCharm, Pentium, and Xeon are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

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



# Product Change Notification

**Change Notification #:** 106432 - 00  
**Change Title:** Intel NetStructure® MPCBL0020, PCN 106432-00, Product Material, Change of capacitor C1143 to provide wider margin for voltage difference between -48V power feeds  
**Date of Publication:** June 28, 2006

## Key Characteristics of the Change:

Product Material

## Forecasted Key Milestones:

<b>Date Customer Must be Ready to Receive Post-Conversion Material:</b>	Jul 18, 2006
---	--------------

## Description of Change to the Customer:

When -48V voltage inputs to the board have greater than 15V differential and the chassis circuit breaker is switched to the -48V voltage input that has the greater voltage (voltage closer to -72V), the board will reset. Refer to errata #21 of MPCBL0020 Single Board Computer Specification Update May 2006 at <http://www.intel.com/design/telecom/products/cbp/atca/9633/techdocs.htm?prod=9633&view=techdocs>

Intel has made improvement by changing the capacitor C1143 value from 150uf to 47uf to provide wider margin for voltage difference in the backplane between -48V power feeds.

## Customer Impact of Change and Recommended Action:

No impact to customers. This is product improvement and has no impact to the current production in the field. Voltage margin improved from 15V to 27V.

## 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
MPCBL0020S01Q	882014	882014	D52085-002	D52085-003	D21103-302	D21103-303

## Reference Documents / Attachments:

**Document:** Location #:

MPCBL0020 <http://www.intel.com/design/telecom/products/cbp/atca/9633/techdocs.htm?prod=9633&view=techdocs>  
Single Board

Computer  
Specification  
Update May  
2006

**PCN Revision History:**

**Date of Revision:**

June 28, 2006

**Revision Number:**

00

**Reason:**

Originally Published PCN