



Product Change Notification

106428 - 04

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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.

Americas Contact: asmo.pcn@intel.com

Asia Pacific Contact: apacgccb@intel.com

Europe Email: eccb@intel.com

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Product Change Notification

Change Notification #: 106428 - 04
Change Title: Intel® IXP42X Product Line of Network Processors, PCN 106428-04, Product Design, Order Code, B-0 Stepping to B-1 Stepping Change, Reason for Revision: Correct Product Code
Date of Publication: April 4, 2008

Key Characteristics of the Change:

Product Design
Order Code

Forecasted Key Milestones:

Date of Samples Availability:	Sep 29, 2006
Date of Qualification Data Availability:	Nov 14, 2006
Date Customer Must be Ready to Receive Post-Conversion Material:	Mar 31, 2007
Date of First Availability of Post-Conversion Material:	Dec 29, 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:

Reason for Revision: Correct Product Descriptions to 533MHz

This PCN does not extend the Last Time Order dates or availability of leaded packaging for any silicon beyond the LTOs in the conversion dates listed in PCN105988-01.

All customers will need to move to new silicon steppings before the LTO date on this stepping change PCN on either lead-based or Pb-free package options.

Please feel free to contact your field representative with any questions or concerns.

Intel® IXP42X Product Line of Network Processors will undergo the following changes for the B-0 to B-1 dash stepping change:

1. B-1 stepping only involves the SDRAM controller block of the Intel® IXP42X product line and product revision ID changes.
2. B-1 is compatible with all 133MHz speed grade SDRAMs that have a minimum refresh time of 67.5ns or less. B-1 is pin compatible with B-0.
3. All Intel® IXP400 Software versions will require one line code change in one file to ensure B-1 stepping software functionality is the same as B-0 stepping.
4. The software change needed is documented in the Intel® IXP400 Software Specifications Updates available on the Intel website and is applicable across all Intel® IXP400 Software versions.
5. Software patches are also available for Intel® IXP400 Software v2.1 and v2.3 on the Intel website.

Customer Impact of Change and Recommended Action:

All customers will need to migrate to the new B-1 stepping according to the key milestone dates within this PCN notification. Customers will need to place all future orders using the new Product Codes and new MM #s as shown in the affected products table.

This PCN does not extend the Last Time Order dates or availability of leaded packaging for any silicon beyond the LTOs in the conversion dates listed in PCN105988-01.

All customers will need to move to new silicon steppings before the LTO date on this stepping change PCN on either lead-based or Pb-free package options.

Please feel free to contact your field representative with any questions or concerns.

Products Affected / Intel Ordering Codes:

Pre-conversion Product Code	Pre-Conversion MM#	Pre-conversion Product Description	Post-Conversion Product Code	Post-Conversion MM #	Post-conversion Product Description
FWIXP420BB	852278	B-0, Pb-present, CT, 266MHz.	FWIXP420ABB	885128	B-1, Pb-present, CT, 266MHz.
FWIXP420BC	860131	B-0, Pb-present, CT, 400MHz.	FWIXP420ABC	885129	B-1, Pb-present, CT, 400MHz.
FWIXP420BD	860130	B-0, Pb-present, CT, 533MHz.	FWIXP420ABD	885131	B-1, Pb-present, CT, 533MHz.
FWIXP421BB	852277	B-0, Pb-present, CT, 266MHz.	FWIXP421ABB	885130	B-1, Pb-present, CT, 266MHz.
FWIXP422BB	852276	B-0, Pb-present, CT, 266MHz.	FWIXP422ABB	885132	B-1, Pb-present, CT, 266MHz.
FWIXP423BB	866246	B-0, Pb-present, CT, 266MHz.	FWIXP423ABB	885134	B-1, Pb-present, CT, 266MHz.
FWIXP423BD	877666	B-0, Pb-present, CT, 533MHz.	FWIXP423ABD	885133	B-1, Pb-present, CT, 533MHz.
FWIXP425BB	852264	B-0, Pb-present, CT, 266MHz.	FWIXP425ABB	885136	B-1, Pb-present, CT, 266MHz.
FWIXP425BC	852266	B-0, Pb-present, CT, 400MHz.	FWIXP425ABC	885135	B-1, Pb-present, CT, 400MHz.
FWIXP425BD	852279	B-0, Pb-present, CT, 533MHz.	FWIXP425ABD	885137	B-1, Pb-present, CT, 533MHz.
GWIXP420BBT	860087	B-0, Pb-present, ET, 266MHz.	GWIXP420ABBT	885140	B-1, Pb-present, ET, 266MHz.
GWIXP425BBT	852267	B-0, Pb-present, ET, 266MHz.	GWIXP425ABBT	885144	B-1, Pb-present, ET, 266MHz.
GWIXP425BCT	852271	B-0, Pb-present, ET, 400MHz.	GWIXP425ABCT	885143	B-1, Pb-present, ET, 400MHz.
GWIXP425BDT	852272	B-0, Pb-present, ET, 533MHz.	GWIXP425ABDT	885181	B-1, Pb-present, ET, 533MHz.
PRIXP425BD	866108	B-0, Pb-free, CT, 533MHz.	PRIXP425ABD	885155	B-1, Pb-free, CT, 533MHz.
PRIXP425BC	869083	B-0, Pb-free, CT, 400MHz.	PRIXP425ABC	885156	B-1, Pb-free, CT, 400MHz.
PRIXP425BB	869046	B-0, Pb-free, CT, 266MHz.	PRIXP425ABB	885157	B-1, Pb-free, CT, 266MHz.
PRIXP420BB	866260	B-0, Pb-free, CT, 266MHz.	PRIXP420ABB	885158	B-1, Pb-free, CT, 266MHz.
PRIXP420BC	869743	B-0, Pb-free, CT, 400MHz.	PRIXP420ABC	885160	B-1, Pb-free, CT, 400MHz.
PRIXP420BD	869566	B-0, Pb-free, CT, 533MHz.	PRIXP420ABD	885159	B-1, Pb-free, CT, 533MHz.
PRIXP421BB	869740	B-0, Pb-free, CT, 266MHz.	PRIXP421ABB	885163	B-1, Pb-free, CT, 266MHz.
PRIXP422BB	869384	B-0, Pb-free, CT, 266MHz.	PRIXP422ABB	885161	B-1, Pb-free, CT, 266MHz.
PRIXP423BB	869741	B-0, Pb-free, CT, 266MHz.	PRIXP423ABB	885162	B-1, Pb-free, CT, 266MHz.
PRIXP423BD	879059	B-0, Pb-free, CT, 533MHz.	PRIXP423ABD	885168	B-1, Pb-free, CT, 533MHz.
EWIXP425BDT	866109	B-0, Pb-free, ET, 533MHz.	EWIXP425ABDT	885170	B-1, Pb-free, ET, 533MHz.
EWIXP425BBT	867991	B-0, Pb-free, ET, 266MHz.	EWIXP425ABBT	885171	B-1, Pb-free, ET, 266MHz.
EWIXP425BCT	873659	B-0, Pb-free, ET, 400MHz.	EWIXP425ABCT	885169	B-1, Pb-free, ET, 400MHz.
EWIXP420BBT	879064	B-0, Pb-free, ET, 266MHz.	EWIXP420ABBT	885173	B-1, Pb-free, ET, 266MHz.

Reference Documents / Attachments:

Document:

PCN105988

Location #:

<http://intel.pcnalert.com/content/eolpcn/PCN105988-01.pdf>

PCN Revision History:

Date of Revision:

June 21, 2006

July 28, 2006

November 6, 2006

March 29, 2007

April 4, 2008

Revision Number:

00

01

02

03

04

Reason:

Originally Published PCN to Extend the Ready to Receive Milestone Date

Additional Information on Description of Change and Correction of 3 MM #s

Clarification of Support for Pb/Pb-Free Products

Correct Product Descriptions to 533MHz