



# Product Change Notification

## #112861- 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 #:** 112861 - 00  
**Change Title:** Intel® Pentium® J2900 Processor and Intel® Celeron® Processors J1900 & J1800, PCN 112861-00, Product Design, B-3 to C-0 Stepping Conversion  
**Date of Publication:** February 7, 2014

## Key Characteristics of the Change:

Product Design

## Forecasted Key Milestones:

Milestone	Date
<b>Date of Samples Availability:</b>	March 3, 2014
<b>Date of Qualification Data Availability:</b>	April 21, 2014
<b>Date of First Availability of Post-Conversion Material:</b>	April 14, 2014
<b>Date Customer Must be Ready to Receive Post-Conversion Material:</b>	May 30, 2014

*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:

Intel will start transitioning from B3 to C0 stepping in for Intel® Celeron® Processors J1800 & J1900 and Intel Pentium® J2900 Series based Windows platforms.

Summary of hardware & software changes from B to C step:

1. Improved robustness of USB3 wake after D3
2. Improved USB2 charging capability to support higher current.
3. USB2 reference clock improvements to reduce corner case stress scenarios.

## Customer Impact of Change and Recommended Action:

Customers will need to update their platform software stack customers will need to update their platform software stack using the latest Best Known Configuration (BKC) available.

<b>Thermal Impact Guidance</b>	No thermal change since B3 and C0 will have same feature set. Customers may continue to ship with their current ID and thermal solution.
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<b>Platform Validation Guidance</b>	<p>Intel recommends customers run validation on their platforms paying specific attention to the following areas:</p> <p>Power and Performance: Main KPI's on browsing and video are expected to be the same. It is recommended that customers double check Power and Performance results with C0.</p> <p>It is also recommended that customers perform USB and power management validation test cases.</p>
<b>Windows Hardware Certification Kit (WHCK) Testing Requirements</b>	Customers will need to run their qualification only cycle (includes full WHCK)

Customers should be ready to receive the new material listed in the “Products Affected/Intel Ordering Codes” table below by the "Date Customer Must be Ready to Receive Post-Conversion Material" as shown above in the Key Milestones.

Please contact your Intel Field Sales Representative with any questions, requests or concerns.

**Products Affected / Intel Ordering Codes:**

Processor#	Frequency	Pre Conversion Product Code	Pre Conversion S-Spec	Pre Conversion MM#	Post Conversion Qualification Samples QDF#	Post Conversion Qualification Samples MM#	Post Conversion Product Code	Post Conversion S-Spec	Post Conversion MM#
J2900	Up to 2.67 GHz	FH8065301614903	SR1SB	932479	QG9A	934007	FH8065301614904	SR1US	934008
J1900	Up to 2.42 GHz	FH8065301615009	SR1SC	932481	QG9B	934009	FH8065301615010	SR1UT	934010
J1800	Up to 2.58 GHz	FH8065301615103	SR1SD	932483	QG9C	934011	FH8065301615104	SR1UU	934012

**PCN Revision History:**

<b>Date of Revision:</b> February 7, 2014	<b>Revision Number:</b> 00	<b>Reason:</b> Originally Published PCN
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