



# **Product Change Notification**

## **111978 - 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.**

**A "Mission Critical Application" is any application in which failure of the Intel Product could result, directly or indirectly, in personal injury or death. SHOULD YOU PURCHASE OR USE INTEL'S PRODUCTS FOR ANY SUCH MISSION CRITICAL APPLICATION, YOU SHALL INDEMNIFY AND HOLD INTEL AND ITS SUBSIDIARIES, SUBCONTRACTORS AND AFFILIATES, AND THE DIRECTORS, OFFICERS, AND EMPLOYEES OF EACH, HARMLESS AGAINST ALL CLAIMS COSTS, DAMAGES, AND EXPENSES AND REASONABLE ATTORNEYS' FEES ARISING OUT OF, DIRECTLY OR INDIRECTLY, ANY CLAIM OF PRODUCT LIABILITY, PERSONAL INJURY, OR DEATH ARISING IN ANY WAY OUT OF SUCH MISSION CRITICAL APPLICATION, WHETHER OR NOT INTEL OR ITS SUBCONTRACTOR WAS NEGLIGENT IN THE DESIGN, MANUFACTURE, OR WARNING OF THE INTEL PRODUCT OR ANY OF ITS PARTS.**

**Intel may make changes to specifications and product descriptions at any time, without notice. Designers must not rely on the absence or characteristics of any features or instructions marked "reserved" or "undefined". Intel reserves these for future definition and shall have no responsibility whatsoever for conflicts or incompatibilities arising from future changes to them. The information here is subject to change without notice. Do not finalize a design with this information.**

**The products described in this document may contain design defects or errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available on request.**

**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/PRC 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 2012. 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 #:** 111978 - 00  
**Change Title:** Intel® Atom™ Processors E6XXX  
PCN 111978-00, Product Material  
**Date of Publication:** February 1, 2013

## Key Characteristics of the Change:

Product Material

## Forecasted Key Milestones:

<b>Date Customer Must be Ready to Receive Post-Conversion Material:</b>	May 02, 2013
---	--------------

*The "Date Customer Must be Ready to Receive 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.*

*A customer may request an extension to receive pre-conversion material after the Ready-To-Receive (RTR) date contained in this Product Change Notification. Provided Intel can support the volume and timing of the extension request, all confirmed extension support must be booked by the customer within 7 days of receiving confirmation or the volume will be made available to support other requests. All requests are supported on a first come, first serve basis.*

*Unless otherwise agreed to in writing by Intel, all material booked on orders corresponding to the approved extension requests beyond RTR date are Non Cancellable, Non returnable (NCNR). Please contact your local Intel representative for product availability.*

## Description of Change to the Customer:

In keeping with Intel's "Green" initiatives to produce environmentally friendly products through the reduction/elimination of halogens, the Intel® Atom™ Processor E6xxx series will undergo the following change:

1. The solder paste used for the BGA ball attach process will change from a SAC405 type paste that contains halogens to a Halogen Free SAC305 type paste.

## Customer Impact of Change and Recommended Action:

Intel currently uses Halogen Free SAC305 type paste on multiple products currently in production, with 10s of millions of units shipped, and has seen equivalent performance for both paste types.

Intel expects customers will see no change to the Form, Fit, or Function of the products. There are no changes to the product specification, manufacturing or rework recommendations provided by Intel through its Customer Manufacturing Enabling or Manufacturing Advantage Service information as a result of this change.

Intel will not make any changes to the device identification or ordering information and this will be implemented as a running change on or after the date listed in the Forecasted Key Milestones section of this PCN.

Customers will continue to receive the pre-converted materials until all pre-conversion inventory has been depleted.

## Products Affected / Intel Ordering Codes:

The Intel® Atom™ Processors E6XXX family currently has 8 product SKUs. All SKUs will be included in this change.

Step	Product Name	S-SPEC	MM#	Core Freq	Processor #	Temperature
B1	CT80618005844AA	SLJ32	913773	0.6 GHz	<b>E620</b>	Commercial
B1	CT80618005841AA	SLJ33	913761	1.0 GHz	<b>E640</b>	Commercial
B1	CT80618003201AA	SLJ34	913720	1.3 GHz	<b>E660</b>	Commercial
B1	CT80618007035AA	SLJ35	913706	1.6 GHz	<b>E680</b>	Commercial
B1	CT80618005844AB	SLJ36	913695	0.6 GHz	<b>E620T</b>	Industrial
B1	CT80618005841AB	SLJ37	913650	1.0 GHz	<b>E640T</b>	Industrial
B1	CT80618003201AB	SLJ38	913571	1.3 GHz	<b>E660T</b>	Industrial
B1	CT80618007035AB	SLJ39	913549	1.6 GHz	<b>E680T</b>	Industrial

## PCN Revision History:

**Date of Revision:**

February 1, 2013

**Revision Number:**

00

**Reason:**

Originally Published PCN