



Product Change Notification

Change Notification #: 116202 - 00
Change Title: Intel® Core™ i7-7800X X-series processor ,
PCN 116202-00, Product Design,
U0 to M0 Stepping conversion
Date of Publication: April 18, 2018

Key Characteristics of the Change:

Product Design

Forecasted Key Milestones:

Date Customer Must be Ready to Receive Post-Conversion Material:	May 18, 2018
Date of First Availability of Post-Conversion Material:	May 18, 2018

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 is transitioning the Intel® Core™ i7-7800X X-series processor from U0-stepping to M0-stepping.
- M0-stepping is drop-in compatible with existing Intel® X299 chipset based motherboards.
- There are no form, fit, functional, CPUID processor signature or device ID changes between U0-stepping and M0-stepping.

Customer Impact of Change and Recommended Action:

Intel anticipates no changes to customer platforms designed to Intel guidelines. Intel does not expect any requalification and/or validation for this stepping change because there is no CPUID processor signature or device ID changes and there is no required change to BIOS. Therefore, no samples are needed to facilitate this stepping change.

The following list provides specific changes to orders:

1. New S-Spec and new MM numbers are required for the M0-stepping. See products listed in the "Products Affected/Intel Ordering Codes" table below.
2. 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.
3. Customer transition to the M0-stepping should be complete by the "Date Customer Must be Ready to Receive Post-Conversion Material" as shown above in the Key Milestones.

Replacement processor MM numbers and S-Specs are already available to order and Intel recommends switching to the new MM numbers and S-Specs for future orders.

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

Products Affected / Intel Ordering Codes:

Pre-Conversion Product Data					Post-Conversion Product Data			
Marketing Name	Product Code	S-Spec	MM#	Stepping	Product Code	S-Spec	MM#	Stepping
Intel® Core™ i7-7800X X-series processor	CD8067303287002	S R3L4	958962	U0	CD8067303753400	S R3NH	960065	M0
Intel® Core™ i7-7800X X-series processor	BX80673I77800X	S R3L4	959987	U0	BX80673I77800X	S R3NH	962010	M0
Intel® Core™ i7-7800X X-series processor	BXC80673I77800X	S R3L4	959991	U0	BXC80673I77800X	S R3NH	962011	M0

PCN Revision History:

Date of Revision:

April 18, 2018

Revision Number:

00

Reason:

Originally Published PCN



Product Change Notification

116202 - 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

Asia Pacific/PRC Contact: apacgccb@intel.com

Europe Email: eccb@intel.com

Japan Email: jccb.ijkk@intel.com

Copyright © Intel Corporation 2018. Other names and brands may be claimed as the property of others.

3D XPoint, Axxia, Basis, Basis Peak, BlueMoon, BunnyPeople, Celeron, Centrino, Cilk, Curie, Flexpipe, Intel, the Intel logo, Intel Atom, Intel CoFluent, Intel Core, Intel. Experience What's Inside, the Intel. Experience What's Inside logo, Intel Inside, the Intel Inside logo, Intel Insider, Intel Joule, Intel RealSense, Intel SingleDriver, Intel SpeedStep, Intel Unite, Intel vPro, Intel Xeon Phi, Intel XScale, InTru, the InTru logo, the InTru Inside logo, InTru soundmark, Iris, Itanium, MCS, MMX, Optane, Ostro, Pali, Pentium, picoArray, Picochip, picoXcell, Puma, Quark, SMARTi, Soletta, Sound Mark, StarPro, Stay With It, the Engineering Stay With It logo, StreamSight, Tarari, The Journey Inside, Thunderbolt, the Thunderbolt logo, Transcend, True Key, Ultrabook, VTune, Xeon, X-GOLD, XMM, X-PMU and XPOSYS are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries.

Microsoft, Windows, and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries. Java is a registered trademark of Oracle and/or its affiliates. Bluetooth is a trademark owned by its proprietor and used by Intel Corporation under license. Intel Corporation uses the Palm OS® Ready mark under license from Palm, Inc. OpenCL and the OpenCL logo are trademarks of Apple Inc. used by permission by Khronos. Learn how to use Intel Trademarks and Brands correctly at <http://www.intel.com/intel/legal/tmusage2.htm>.