



# Product Change Notification

**Change Notification #:** 117787 - 00  
**Change Title:** Intel® FPGA Programmable Acceleration Card (Intel® FPGA PAC), PCN 117787-00, Product Material, N3000 on-board DDR4 memory updates  
**Date of Publication:** September 22, 2020

## Key Characteristics of the Change:

Product Material

## Change Implementation:




Customers will continue to see the old Micron DDR4 part until inventory is depleted.

## Description of Change to the Customer:

This is the same change described in ADV2023 issued on September 18, 2020.

Intel® is notifying customers regarding the following updates to the on-board DDR4 memory used in the Intel FPGA Programmable Acceleration Card (Intel FPGA PAC) N3000.

**Table 1: Update Details**

	Change From	Change To
<b>New DDR4 memory part number and additional qualified DDR4 memory supplier</b>	1. Micron (MT40A512M16JY-083E: B)	1. Micron (MT40A512M16LY-075:E)  2. Nanya (NT5AD512M16A4-HR)
<b>Top markings of DDR4 memory</b>		 (OR) 

**Reason for Change:**

The qualification of an additional supplier supports supply risk mitigation. The change to new Micron DDR4 part number is due to supplier EOL of existing part.

**Customer Impact of Change and Recommended Action:**

There is no change to the product datasheet, and form, fit, and function of the device. Electrical, mechanical, and thermal specifications of the device remain the same.

Customers will continue to see the old Micron DDR4 part until inventory is depleted.

For more information, please contact your local Sales representative, or submit a question or request at the My Intel support page, log-in via:

<https://www.intel.com/content/www/us/en/my-intel/fpga-sign-in.html>

**Products Affected / Intel Ordering Codes:**

OPN	MMID
BD-NVV-N3000-1	999DXF
BD-NVV-N3000-2	999HGN
BD-NFV-N3000-1	999H1K
BD-NVV-N3000-VES	999X3V
BD-NVV-N3000-VH	99A2HD
BD-NVV-N3000-V	999WCF
BD-NVV-N3000-3ES	99A18V
BD-NVV-N3000-3	999PJD
BD-NVV-N3000-3DL	99A392

**PCN Revision History:****Date of Revision:**

September 22, 2020

**Revision Number:**

00

**Reason:**

Originally Published PCN



# Product Change Notification

## 117787 - 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:** [apagccb@intel.com](mailto:apagccb@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 2020. Other names and brands may be claimed as the property of others.

3D XPoint, ACEX, Altera, APEX, AnyWAN, Arria, Avalon, Axxia, BlueMoon, BunnyPeople, Celeron, Centrino, Cilk, CONVERGATE, Cyclone, Docea, eASIC, easicopy, Enpirion, Flexpipe, Hyperflex, Intel, the Intel logo, Intel Adaptix, Intel Agilex, Intel Atom, Intel CoFluent, Intel Core, Intel. Experience What's Inside, the Intel. Experience What's Inside logo, Intel Falcon, Intel Inside, the Intel Inside logo, Intel Nervana, Intel Optane, Intel RealSense, Intel Shooting Star, Intel Sirius, Intel SpeedStep, Intel Unite, Intel vPro, Intel Xeon Phi, Iris, Itanium, MAX, Movidius, Myriad, neon, Nios, OpenVINO, the OpenVINO logo, Pentium, Puma, Quark, Quartus, SICOFL, Simics, SMARTi, SoftSilicon, Sound Mark, StarPro, Stratix, the Stratix logo, Stay With It, the Engineering Stay With It logo, StreamSight, Tarari, The Journey Inside, Thunderbolt, the Thunderbolt logo, Transcede, 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>.