



Product Change Notification

Change Notification #: 114167 - 01

Change Title: Intel® Ethernet Converged Network Adapter X520-DA1, OEM Generic, (Spring Fountain Quad Port) MM# 921255, Intel® Ethernet Converged Network Adapter X520-LR1, retail bulk, (Spring Fountain) MM# 927248, Intel® Ethernet Converged Network Adapter X520-LR1, retail unit (Spring Fountain) MM# 900140, Intel® Ethernet Converged Network Adapter X520-QDA1, OEM Generic, (Spring Fountain) MM# 927066, Intel® Ethernet Converged Network Adapter X520-QDA1, retail unit, (Spring Fountain Quad Port) MM# 921253, Intel® Ethernet Converged Network Adapter X520-SR1, OEM Generic, (Spring Fountain) MM# 901222, Intel® Ethernet Converged Network Adapter X520-SR1, retail bulk, (Spring Fountain) MM# 927757, Intel® Ethernet Converged Network Adapter X520-SR1, retail unit, (Spring Fountain) MM# 900141, Intel® Eth Converged Network Adapter X520 - DA1, (Spring Fountain) MM# 901226

PCN 114167-01, Product Design, Label, Product Marking

Silicon Update, Product Design Change, Label Update, Mark Update

Reason for Revision: Adding Avago optic part numbers, changing Ready to Receive date and Adding product codes to items

Date of Publication: December 15, 2015

Key Characteristics of the Change:

Product Design, Label, Product Marking

Forecasted Key Milestones:

Date Customer Must be Ready to Receive Post-Conversion Material:	January 20, 2016
---	-------------------------

Description of Change to the Customer:

Reason for Revision: Adding Avago optic part numbers, changing Ready to Receive date and Adding product codes to items.

The Intel® Ethernet Converged Network Adapter X520-DA1, Intel® Ethernet Converged Network Adapter X520-LR1, Intel® Ethernet Converged Network Adapter X520-QDA1, Intel® Ethernet Converged Network Adapter X520-SR1, Intel® Ethernet Converged Network Adapter X520-SR1, Intel® Eth Converged Network Adapter X520 - DA1, SKUs listed in the products affected table below will undergo the following changes:

1. Product codes E10G41BFSR, E10G41BFSRBLK, [E10G41BFLR](#), [E10G41BFLRBLK](#), [E10G41BFSRG1P5](#):

In order to keep pace with the rapidly growing volume and competitive demand, our Optical Transceiver suppliers have made enhancements to their SFP+ SR and LR optical transceiver solutions through what are considered minor changes.

Change description:

10Gb SFP+ SR

- A next Generation TIA will be introduced to improve stressed receiver sensitivity performance.
- Module component list has been modified with supplier designed ICs (laser driver, EEPROM, limiting amplifier) and TIA
- Pin housing changed from a fixed to a moving solution
- Visual alignment of supplier bail solutions

10Gb SFP+ LR

- Introduction of Next Generation SFP+ LR Transmitter Optical Sub-Assembly (TOSA);
- Module component list has been modified with supplier designed ICs (laser driver, EEPROM, limiting amplifier) and TIA
- In addition, the solution has a change to the pin housing from fixed to a moving solution as well as a change of the bail from plastic to metal

Other

- Alternate sources have been added to supplier approved manufacturer list for photodiode and micro controller for SR and LR solutions.

Effect of Change on Fit, Form, Function, Quality, and/or Reliability:

- There may be some noticeable visual changes to the module form and fit but customers should not experience issues using it in the existing applications. The customers should expect no differences in functionality, quality and reliability. The device specification and manufacturing process will be the same to the current products.
- All changes are deemed low-risk due to minor modification and have been validated and qualified by Intel.
- Intel and Manufacturer part numbers:

Current IPN	New IPN	Current MPN	New MPN	Current MPN	New MPN
		Finisar	Finisar	Avago	Avago
E65689-001	E65689-003	FTLX8571D3BCV-IT	FTLX8571D3BCVIT1	AFBR-703SDZ-IN2	AFBR-709DMZ-IN2
E65689-002	E65689-004	FTLX8571D3BCV-I3	FTLX8571D3BCVI31	N/A	N/A
E65685-001	E65685-003	FTLX1471D3BCV-IT	FTLX1471D3BCVIT1	AFCT-701SDZ-IN2	AFCT-739DMZ-IN2
E65685-002	E65685-004	FTLX1471D3BCV-I3	FTLX1471D3BCVI31	N/A	N/A

Old Optic E65685-001



New Optic E65685-003



Old Optic E65689-001



New Optic E65689-003



- For Product Codes E10G41BTDAG1P5, E10G41BTDAPG1P5, X520QDA1G1P5, E10G41BFSR, E10G41BFSRBLK, X520QDA1, [E10G41BFLR](#), [E10G41BFLRBLK](#), [E10G41BFSRG1P5](#):

Australia Regulatory Mark Change

- The Australian Communications and Media Authority's (ACMA) labeling arrangements to reflect regulatory compliance changed on 1 March 2013, to be phased in over a three-year transition period. Products shipping March 1, 2016 need to be labeled with the "RCM" mark.
- Per ACMA requirements, Intel will be changing the C-Tick regulatory mark on all products to the "RCM" mark.
- Mark will be updated in two ways, depending on how the current C-Tick mark is already on products:
 - If C-Tick mark is currently on PCB silkscreen, Intel will apply a label with RCM mark to cover current mark.
 - If C-Tick mark is currently printed on a label, Intel will replace the mark so labels will be printed with new mark.
- See for picture of "C-Tick" versus "RCM" mark

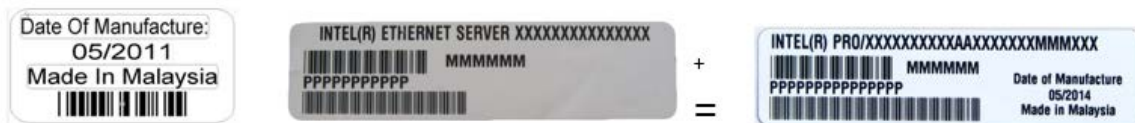



- For Product Codes E10G41BTDAG1P5, E10G41BTDAPG1P5, X520QDA1G1P5, E10G41BFSR, E10G41BFSRBLK, X520QDA1, [E10G41BFLR](#), [E10G41BFLRBLK](#), [E10G41BFSRG1P5](#):

Where applicable this will affect OEMG and Retail NICs.

Combining of KCC and/or Date of Manufacture label with the product ID label to minimize labels on the board. In addition we'll be taking the opportunity to:

- Remove Reg label KCC_DOM
- Edit PID label Product ID
- To Include PID label Product ID + DOM



The WEEE label  maybe incorporated into the Intel branded PID.

Customer Impact of Change and Recommended Action:

Customers can expect to receive mixed inventory until current inventory levels are depleted. Intel anticipates no functional impact to customer but encourages customer to understand the changes. Please contact your local Intel Field Sales Rep if you have any further questions about these changes.

Products Affected / Intel Ordering Codes:

Product Code	MM#	Pre Change TA	Pre Change PBA	Post Change TA	Post Change PBA
E10G41BFLR	900140	E65557-007	E66561-008	E65557-008	E66561-009
E10G41BFSR	900141	E68795-007	E68787-007	E68795-008	E68787-008
E10G41BFSRG1P5	901222	E58748-006	E66593-008	E58748-007	E66593-009
E10G41BTDAG1P5	901226	G30772-004	G30771-004	G30772-005	G30771-005
X520QDA1	921253	G58642-002	H16228-002	G58642-003	H16228-003
X520QDA1G1P5	921255	G58643-002	G49985-009	G58643-003	G49985-010
E10G41BTDAPG1P5	927066	G83817-002	G83818-002	G83817-003	G83818-003
E10G41BFLRBLK	927248	G90054-001	E66561-008	G90054-002	E66561-009
E10G41BFSRBLK	927757	G90055-001	E68787-007	G90055-002	E68787-008

PCN Revision History:

Date of Revision:

December 4, 2015

[December 15, 2015](#)**Revision Number:**

00

[01](#)**Reason:**

Originally Published PCN

[Adding Avago optic part numbers
changing the Ready to Receive
date and Adding product codes to
items](#)



Product Change Notification

114167 - 01

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 2015. 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>.

