Product Change Notification

1 PCN Information

Title	Product Change Notification		
PCN Number	PCN-2103-B7E3-0007	**Issue Date (yyyy-mm-dd)**	2021-03-29
PCN Revision	0.3	**Effective Date (yyyy-mm-dd)**	2021-03-29
Refers to Change Order	N/A	**Expiration Date (yyyy-mm-dd)**	N/A
Refers to Change Request	N/A	**Authors**	CJR

2 Product Identification

2.1 Product Data

	Pre-Conversion	Post-Conversion
Product Name	conga-B7E3	conga-B7E3
Product Number P/N	N/A	N/A
Serial Number S/N	N/A	N/A
Lot Number	N/A	N/A
Hardware Revision	N/A	N/A
BIOS Revision	B7E3R115	B7E3R018
congatec Board Controller Revision	N/A	N/A

2.2 Means of Distinguishing Changed Products

		Remark
Product Number	☐	
Hardware Revision	☐	
Lot Code	☐	
Label	☐	
Other	☑	BIOS revision is displayed in the BIOS setup menu and on the POST screen.

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3 Description and Reason of Change

AVL	☐	Product Improvement	☑
Material	☐	BIOS Release	☑
Assembly Process	☐	Firmware Release	☐
Assembly BOM	☐	Datasheet/Manual	☐
Testing	☐	DFM	☐
Manufacturing Site	☐	Other	☐
Equipment	☐		

Note

B7E3R016, B7E3R017 and B7E3R018 are not used for production.

B7E3R017 to B7E3R018

Changed the 10Gbe ports 2 and 3 from processor die 1 to die 0 (SP4 variants only).

B7E3R016 to B7E3R017

1. Updated BIOS to the latest AMI reference BIOS label 5.013_SnowyCrb_0ACLP014.
2. Added a workaround for XGbE ports 2 and 3 from processor die 1.

B7E3R115 to B7E3R016

1. Updated BIOS to the latest AMI reference BIOS label 5.013_SnowyCrb_0ACLP013.
2. Disabled the serial redirection support for the PCI UARTs to avoid that the AMI terminal driver installs itself causing a boot hang at 0x92 with the debug traces enabled.
3. Added an AMD provided patch to improve the 10GbE network booting function.
4. Fixed the issue that the 1GbE was missing after a PCIe configuration change.
5. Added BIOS POST and setup screen license information.
6. Minor BIOS setup adaptions to comply with other congatec products.
7. Configured some 10GbE unused sideband MDIO signals as GPIs.

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4 Impact of the change (positive or negative) on fit, form, function & reliability

4.1 Quality and Reliability

The changes listed in section 3 improve the product quality and reliability performance.

4.2 Software Compatibility

Fully software compatible with previous revision.

4.3 Hardware Compatibility

Due to the change of the 10Gbe port routing, BIOS release B7E3R018 or newer must be used for the conga-B7E3 (SP4 variant) hardware version B.1 or newer.

Note

The change described within this PCN does not affect the functionality of the modules. congatec is not obligated to perform an update on modules that have already been delivered or on modules that are pending delivery unless explicitly mentioned herein. If you have any questions about this matter, contact your local congatec GmbH representative.

5 Product/Revision Discontinuation

All previous product revisions are set to EOL status (End-Of-Life).

After the release of this PCN there will be a transition time of 12 months whereby a delivery may consist of products based on previous revisions as well as new revisions. After the completion of the transition time, only products based on the new revision will be delivered. This does not include products that fall under the RMA process.

6 Contact Information

congatec Contact	Technical Solution Center
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7 Customer Acknowledgment of Receipt

congatec GmbH records indicate that you require written notification of this change. Fill in the acknowledgment below and eMail this document to the eMail address above to request additional information. If congatec GmbH does not receive acknowledgment within 30 days of this notice it will be assumed that this change is acceptable. congatec GmbH reserves the right to ship either version manufactured after the process change effective date until the inventory on the earlier version has been depleted.

Customer Name	
Title	
Phone	
Fax	
eMail	

8 Revision History

Revision	Date (yyyy-mm-dd)	Author	Changes
0.1	2021-03-29	CJR	Initial release of document for the R016 BIOS release.
0.2	2021-04-15	CJR	Updated for the R017 BIOS release.
0.3	2021-04-29	CJR	Updated for the R018 BIOS release.

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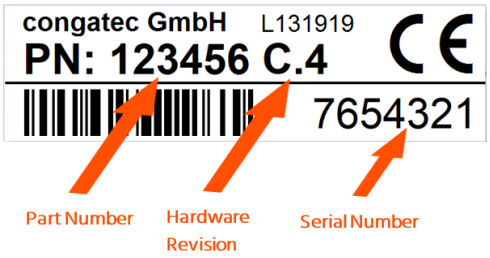
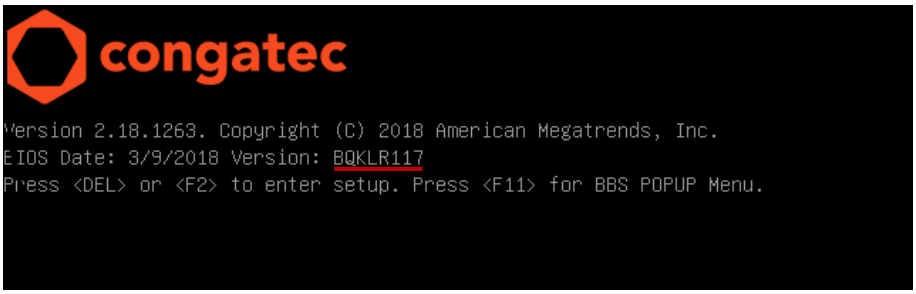
9 Appendix: congatec revision description

The product information can be derived from the congatec product label:

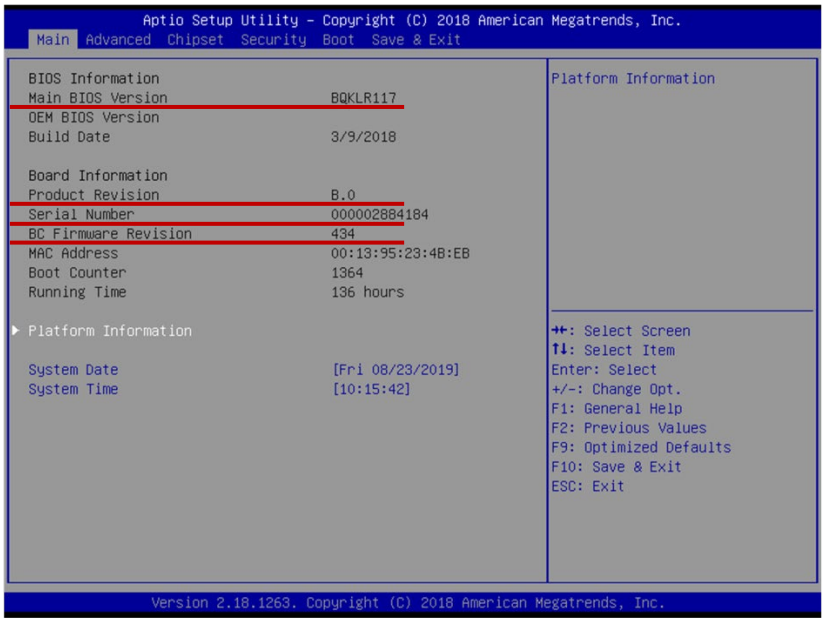


The BIOS can be determined during BIOS POST. The Main BIOS Version, Product Revision, Serial Number and Firmware Revision (Board Controller Firmware) can be determined in the BIOS Setup Utility (Main Menu):

BIOS POST



BIOS Setup Utility



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