Product Change Notification

1 PCN Information

Title	Product Change Notification		
PCN Number	PCN-2101-TSCO-0010	**Issue Date (yyyy-mm-dd)**	2021-01-12
PCN Revision	0.2	**Effective Date (yyyy-mm-dd)**	2021-01-12
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-TS370	conga-TS370
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	BxCOR126	BxCOR029
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

BIOS releases BxCOR027 and BxCOR029 are not used for production.
BxCOR028 does not exist.

BxCOR027 to BxCOR029

1. Added support for the SMBIOS structure type12 (system configuration).
2. Added the congatec BIOS POST and setup screen license information text.
3. Added code that always programs the LVDS clock enable bits in the LVDS Interface Control 1 register of the PTN3460 LVDS bridge. This is a workaround for the unreliable hardware default configuration of this register.

BxCOR126 to BxCOR027

1. Updated AMI BIOS Tree from label **1AUOK046** (May 2019) to **1AUOK062** (Oct. 2020). This update supports MCU revision DEh, Intel ME FW version 12.0.71.1681 and RAID Driver version Intel(R) RST 17.8.0.4414.
2. Legacy Video BIOS updated to version 1030 and Gop driver updated to version 9.0.1109.
3. Ensured that all setup menus and pages, such as the UEFI network stack and other EDK modules, are included in the congatec menu layout file (MLF) and thus can be handled by the congatec MLF editor and viewer tools.
4. Updated the UefiNetworkStack setup support module to support CGUTIL modifications of these variables.
5. Added GPIO configuration and GPI IRQ support.

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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.

BQCOR029.BIN must be used for product variants with QM370 and CM246 PCH.

BHCOR029.BIN must be used for product variants with HM370 PCH.

4.3 Hardware Compatibility

Fully hardware compatible with the previous revision.

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 please contact your local congatec AG 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 6 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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eMail	support@congatec.com

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7 Customer Acknowledgment of Receipt

congatec AG 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 AG does not receive acknowledgment within 30 days of this notice it will be assumed that this change is acceptable. congatec AG 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

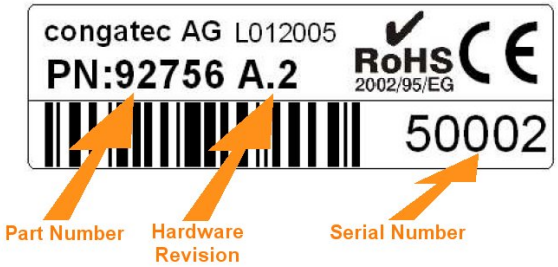
Revision	Date (yyyy-mm-dd)	Author	Changes
0.1	2021-01-12	CJR	Initial release of document.
0.2	2021-08-13	CJR	Updated document for the R029 BIOS release.

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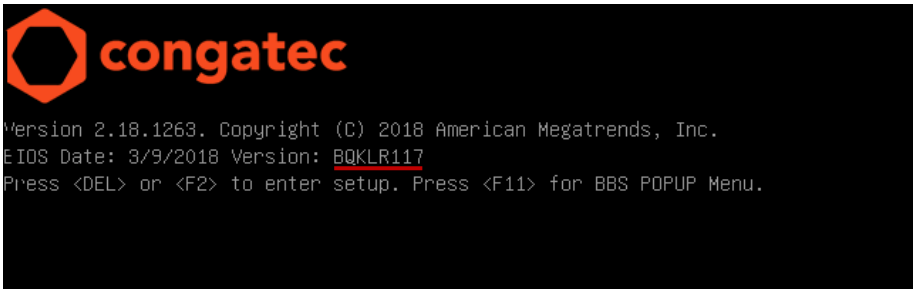
9 Appendix: congatec revision description

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

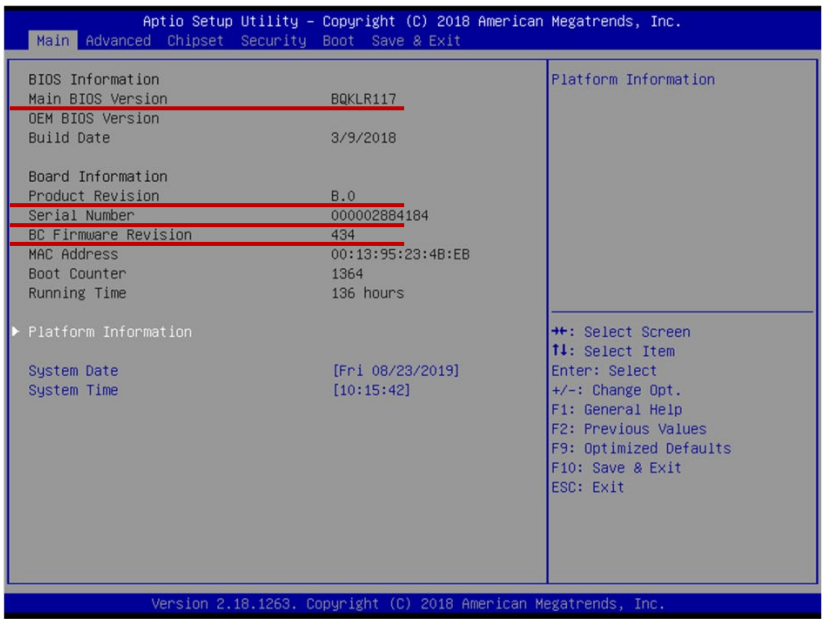


The BIOS can be determined during BIOS POST. The Main BIOS Version, Product Revision, Serial Number and Firmware Revision (Board Controller Firmware) can be determined in the BIOS Setup Utility (Main Menu):

BIOS POST



BIOS Setup Utility



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