

## 1 PCN Information

Title	Product Change Notification		
PCN Number	PCN-2101-TSSL-0015	Issue Date (yyyy-mm-dd)	2021-02-01
PCN Revision	1.0	Effective Date (yyyy-mm-dd)	2021-03-10
Refers to Change Order	ECO-002703	Expiration Date (yyyy-mm-dd)	N/A
Refers to Change Request	N/A	Authors	CJR/FDA

## 2 Product Identification

### 2.1 Product Data

	Pre-Conversion	Post-Conversion
Product Name	conga-TS170, conga-TC170	conga-TS170, conga-TC170
Product Number P/N	See Appendix	See Appendix
Serial Number S/N	N/A	N/A
Lot Number	See Appendix	See Appendix
Hardware Revision	See Appendix	See Appendix
BIOS Revision	BxSLR123	BxSLR123
congatec Board Controller Revision	CGBCP439	CGBCP440

### 2.2 Means of Distinguishing Changed Products

		Remark
Product Number	<input type="checkbox"/>	
Hardware Revision	<input type="checkbox"/>	
Lot Code	<input type="checkbox"/>	
Label	<input type="checkbox"/>	
Other	<input checked="" type="checkbox"/>	Board Controller firmware revision is displayed in the BIOS setup menu.

## 3 Description and Reason of Change

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AVL	<input type="checkbox"/>	Product Improvement	<input checked="" type="checkbox"/>
Material	<input type="checkbox"/>	BIOS Release	<input type="checkbox"/>
Assembly Process	<input type="checkbox"/>	Firmware Release	<input checked="" type="checkbox"/>
Assembly BOM	<input type="checkbox"/>	Datasheet/Manual	<input type="checkbox"/>
Testing	<input type="checkbox"/>	DFM	<input type="checkbox"/>
Manufacturing Site	<input type="checkbox"/>	Other	<input type="checkbox"/>
Equipment	<input type="checkbox"/>		

### 3.1 cBC Firmware Update

Refer to PCN-2012-CGBC-0055.

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

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### 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

When using board controller firmware revisions earlier than CGBCP440, the system gets stuck in a reboot loop when the reset button signal is held low. When using CGBCP440 it is performing a restart. Other than that difference, it is 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 GmbH representative.*

## 5 Product/Revision Discontinuation

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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

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congatec Contact	Technical Solution Center
Fax	+49-991-2700-111
eMail	support@congatec.com

## 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.

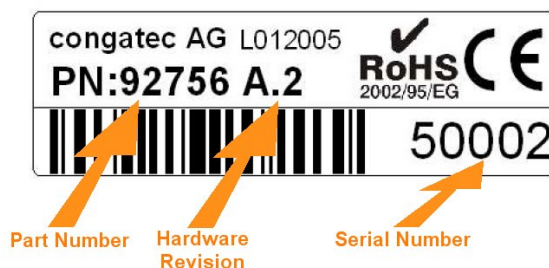
Customer Name	
Title	
Phone	
Fax	
eMail	

## 8 Revision History

Revision	Date (yyyy-mm-dd)	Author	Changes
1.0	2021-02-01	CJR/FDA	Initial release of document.

## 9 Appendix: congatec revision description

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



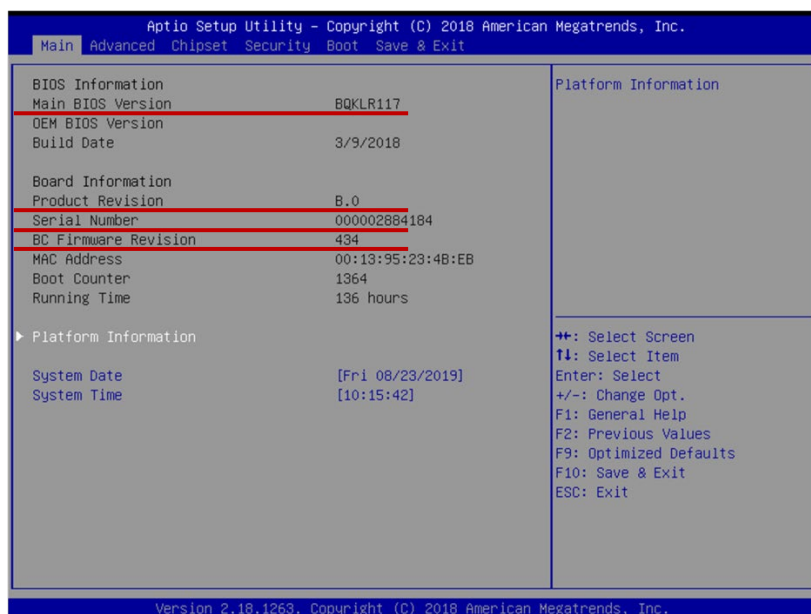
The BIOS can be determined during BIOS POST. The Main BIOS Version, Product Revision, Serial Number and Firmware Revision (Board Controller Firmware) can be determined in the BIOS Setup Utility (Main Menu):

## BIOS POST



Version 2.18.1263. Copyright (C) 2018 American Megatrends, Inc.  
BIOS Date: 3/9/2018 Version: BQKL R117  
Press <DEL> or <F2> to enter setup. Press <F11> for BBS POPUP Menu.

## BIOS Setup Utility



## 9.1 Pre/Post Revision Table

conga-TC170

pre-conv. P/N	post-conv. P/N	pre-conv. Rev.	post-conv. Rev.	pre-conv. Lot	post-conv. Lot
045200	045200	C.1	C.1	L295120 and previous	Later than L295120
045201	045201	C.1	C.1	L290419 and previous	Later than L290419
045202	045202	C.1	C.1	L290521 and previous	Later than L290521
045203	045203	C.1	C.1	L290521 and previous	Later than L290521
045208	045208	C.1	C.1	L290221 and previous	Later than L290221
045209	045209	C.1	C.1	L290321 and previous	Later than L290321
645200	645200	A.2	A.2	L290321 and previous	Later than L290321
645209	645209	A.0	A.0	L134320 and previous	Later than L134320
645219	645219	A.0	A.0	L134320 and previous	Later than L134320
645227	645227	A.0	A.0	L134320 and previous	Later than L134320

conga-TS170

pre-conv. P/N	post-conv. P/N	pre-conv. Rev.	post-conv. Rev.	pre-conv. Lot	post-conv. Lot
045900	045900	B.0	B.0	L290521 and previous	Later than L290521
045901	045901	B.0	B.0	L295120 and previous	Later than L295120
045902	045902	B.0	B.0	L293118 and previous	Later than L293118
045903	045903	B.0	B.0	L290321 and previous	Later than L290321
045904	045904	B.0	B.0	L294219 and previous	Later than L294219
045905	045905	B.0	B.0	L292720 and previous	Later than L292720
045906	045906	B.0	B.0	L293117 and previous	Later than L293117
045907	045907	B.0	B.0	L291520 and previous	Later than L291520
045908	045908	B.0	B.0	L130217 and previous	Later than L130217
045909	045909	B.0	B.0	L130217 and previous	Later than L130217
045910	045910	B.0	B.0	L442418 and previous	Later than L442418
045911	045911	B.0	B.0	L290321 and previous	Later than L290321
045912	045912	B.0	B.0	L290119 and previous	Later than L290119
645908	645908	A.0	A.0	L295217 and previous	Later than L295217

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645911	645911	A.0	A.0	L290521 and previous	Later than L290521
645912	645912	A.0	A.0	L131818 and previous	Later than L131818
645917	645917	A.0	A.0	L291319 and previous	Later than L291319