Product Change Notification

congatec

1   PCN Information

Title	Product Change Notification		
PCN Number	PCN-2012-QA50-0022	**Issue Date (yyyy-mm-dd)**	2020-12-18
PCN Revision	1.3	**Effective Date (yyyy-mm-dd)**	2020-12-23
Refers to Change Order	MCO-001291 DCO-000598 MCO-001310	**Expiration Date (yyyy-mm-dd)**	N/A
Refers to Change Request	N/A	**Authors**	SDA/FDA/SGA

2   Product Identification

2.1   Product Data

	Pre-Conversion	Post-Conversion
Product Name	conga-QA5	conga-QA5
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	N/A	N/A
congatec Board Controller Revision	N/A	N/A

2.2   Means of Distinguishing Changed Products

		Remark
Product Number	☐	
Hardware Revision	☑	
Lot Code	☐	
Label	☐	
Other	☐	

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	☐		

3.1   Hardware Change

- Replaced dual rank DDR3L memory chips for conga-QA5 8GB variants with single rank memory chips due to EOL of the previously used parts.

- Updated 8GB MLC type eMMC flash to a 16GB TLC type. Note that this change is caused by EOL of the 8GB eMMC type and just applicable for conga-QA5 items supporting an 8GB eMMC flash.

   The names of these products are also changed from conga-QA5/x-xxxxx-xx eMMC8 to conga-QA5/x-xxxxx-xx eMMC16.

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

It is required to use BIOS revision QA50R159 or newer for conga-QA5 commercial temperature 8GB variants.

It is required to use BIOS revision QA50R162 or newer for conga-QA5 industrial temperature 8GB variants.

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
Fax	+49-991-2700-111
eMail	support@congatec.com

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.
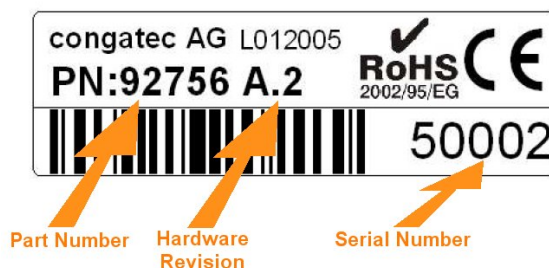
Customer Name	
Title	
Phone	
Fax	
eMail	

8 Revision History

Revision	Date (yyyy-mm-dd)	Author	Changes
1.0	2020-12-18	SDA/FDA	Initial Release
1.1	2021-01-12	SDA	Corrected section 4.2
1.2	2021-03-09	SDA/SGA	Added variants to section 9.1 pre/post revision table and updated software compatibility section 4.2
1.3	2021-03-18	SDA/FDA	Updated section 3.1 Hardware Change and added variants to section 9.1 pre/post revision table

9   Appendix: congatec revision description

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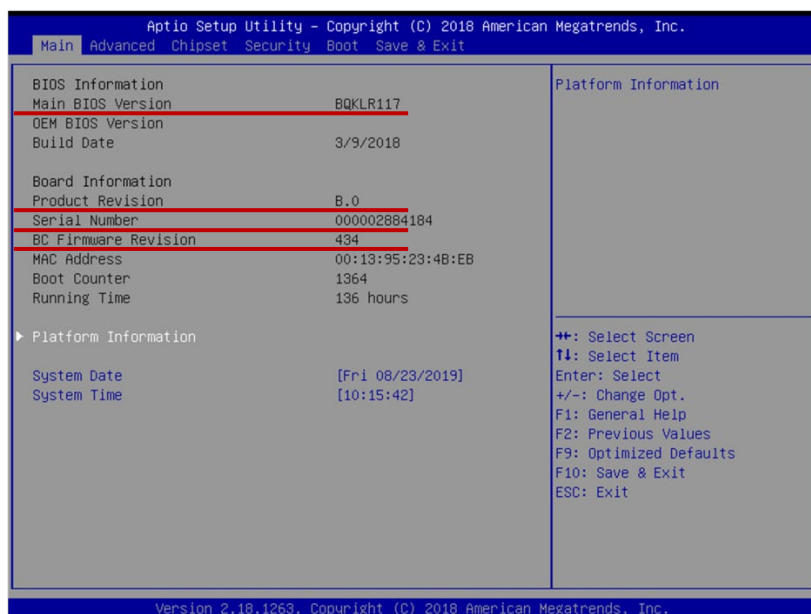

The BIOS can be determined during BIOS POST. The Main BIOS Version, Product Revision, Serial Number and Firmware Revision (Board Controller Firmware) can be determined in the BIOS Setup Utility (Main Menu):

BIOS POST

BIOS Setup Utility

Product Change Notification

9.1 Pre/Post Revision Table

pre-conv. P/N	post-conv. P/N	pre-conv. Rev.	post-conv. Rev.	pre-conv. Lot	post-conv. Lot
015500	015500	B.2	B.3	N/A	N/A
015510	015510	B.2	B.3	N/A	N/A
015513	015513	B.2	B.3	N/A	N/A
015523	015523	B.2	B.3	N/A	N/A
015502	015502	B.2	B.3	L131121 and previous	Later than L131121
015512	015512	B.2	B.3	L131221 and previous	Later than L131221
615524	615524	A.0	A.1	N/A	N/A
615528	615528	A.0	A.1	N/A	N/A
615526	615526	A.0	A.1	N/A	N/A