

1 PCN Information

Title	Product Change Notification		
PCN Number	PCN-2001-DSAC-0008	Issue Date (yyyy-mm-dd)	2020-01-31
PCN Revision	1.0	Effective Date (yyyy-mm-dd)	2021-11-30
Refers to Change Order	ECO-003127	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-B7AC	conga-B7AC
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	DSAxR114	DSAxR120
congatec Board Controller Revision	N/A	N/A

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"/>	BIOS revision is displayed in the BIOS setup menu and on the POST screen.

3 Description and Reason of Change

AVL	<input type="checkbox"/>	Product Improvement	<input checked="" type="checkbox"/>
Material	<input type="checkbox"/>	BIOS Release	<input checked="" type="checkbox"/>
Assembly Process	<input type="checkbox"/>	Firmware Release	<input 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"/>		

Notes

The previous production BIOS DSA1R114 was built incorrectly (no functional issues). Updating DSA1R114 to any other version of DSA1Rxxx requires the use of the CGUTIL "/f" command line parameter. This does not apply to either DSA0R114 or DSA2R114.

DSAxA015, DSAxA017 and DSAxA019 are not used for production. DSAxA016 and DSAxA018 do not exist.

DSAxA019 to DSAxA120

1. Fixed the issue that was causing Linux shutdown to hang.
2. Set memory refresh to 2x/4x (double refresh) by default.

DSAxA017 to DSAxA019

1. Upgraded the base AMI reference tree from label 0ACHI045 to 0ACHI046 to support the latest Intel Microcode Update (MCU) revisions and security fixes.
2. Updated the default Secure Boot variables to include the latest DBX and DBR UEFI Secure Boot data.
3. Added Generic LPC Decoding support.
4. Added GPI IRQ support.
5. Removed 17 19 6 7 Performance Profile setting that was causing the system to hang at POST code 19h with x16 width DIMMS.

Product Change Notification



DSAxR015 to DSAxR017

1. Upgraded the base AMI reference tree from label 0ACHI043 to 0ACHI045 to support the latest Intel Microcode Update (MCU) revisions and security fixes.
2. Added support for the conga-STX7 application carrier board. This does not include support for the conga-STX7 PHYs, the LAN Enabling Kit needs to be updated manually.
3. Added support to change the BIOS password during runtime using the congatec CSETPW utility.
4. Added congatec UEFI OEM code support.
5. Added a workaround to prevent a hang during POST with x16 width DIMMs.
6. Updated several congatec support modules to their latest revision.

DSAxR114 to DSAxR015

1. Upgraded the base AMI reference tree from label 0ACHI039 to 0ACHI043 to support the latest Intel Microcode Update (MCU) revisions and security fixes.
2. Fixed the Legacy PXE boot and WoL (wake on LAN) for the onboard 1Gbe controller.
3. Fixed the problem that the ASPEED2500 VGA driver was not loaded in Windows 10.
4. Added setup support to disable the onboard 10Gbe/2.5Gbe Ethernet controllers.
5. Fixed the problem that some SMBIOS strings changed when BMC is enabled.
6. Fixed an issue with Windows 10 version 1903 whereby the UEFI boot option that is created will be marked as inactive when an existing Windows 10 installation is booted on a new system, resulting in Windows not being able to boot.
7. Fixed the problem that SFP+ modules sporadically failed when Memory Speed was limited in BIOS setup.

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.

DSA2R120.BIN must be used for product variants with 4x2.5Gbe SKUs (C3308, C3508).

DSA1R120.BIN must be used for product variants with 2x10Gbe+2x2.5Gbe SKUs (C3558, C3538).

DSA0R120.BIN must be used for product variants with 4x210Gbe SKUs (C3958, C3858, C3758, C3808, C3708).

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, 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
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	

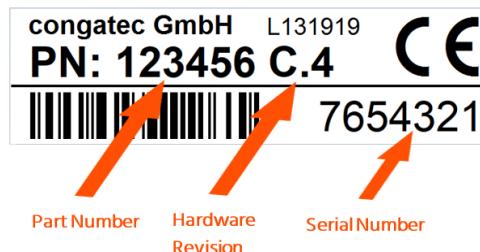
8 Revision History

Revision	Date (yyyy-mm-dd)	Author	Changes
0.1	2020-01-31	CJR	Initial release of document for the R015 BIOS release.
0.2	2020-07-21	CJR	Updated for the R017 BIOS release.
0.3	2020-09-30	CJR	Updated for the R019 BIOS release.
1.0	2021-09-17	CJR/FDA	Updated to new template and for the R120 production BIOS release.

Product Change Notification

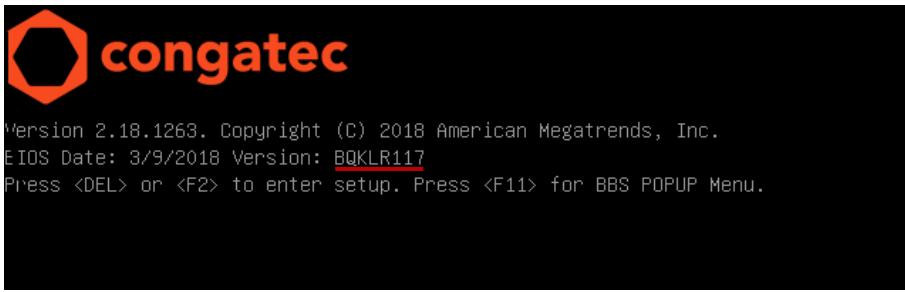
9 Appendix: congatec revision description

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



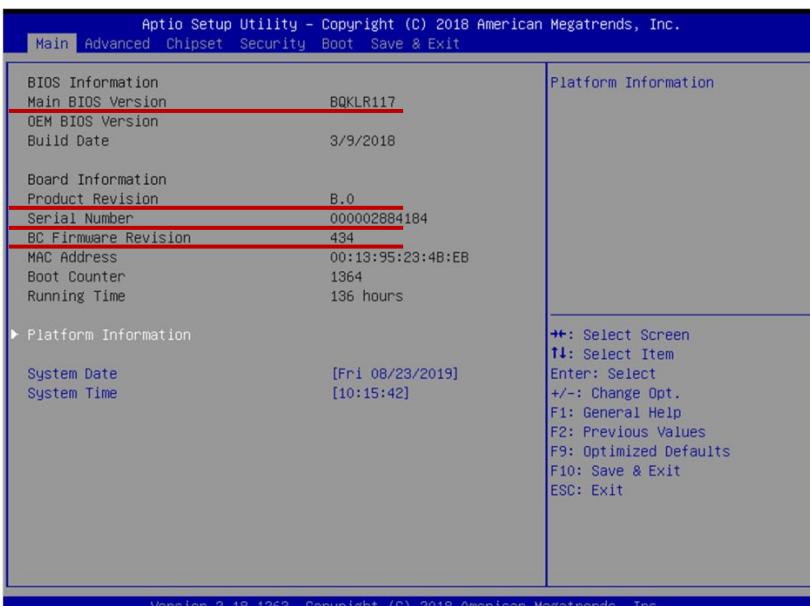
The BIOS can be determined during BIOS POST. The Main BIOS Version, Product Revision, Serial Number and Firmware Revision (Board Controller Firmware) can be determined in the BIOS Setup Utility (Main Menu):

BIOS POST



Version 2.18.1263. Copyright (C) 2018 American Megatrends, Inc.
 BIOS Date: 3/9/2018 Version: BQKLR117
 Press or <F2> to enter setup. Press <F11> for BBS POPUP Menu.

BIOS Setup Utility



Aptio Setup Utility - Copyright (C) 2018 American Megatrends, Inc.

Main	Advanced	Chipset	Security	Boot	Save & Exit
BIOS Information	Platform Information				
Main BIOS Version	BQKLR117				
OEM BIOS Version					
Build Date	3/9/2018				
Board Information					
Product Revision	B.0				
Serial Number	000002884184				
BC Firmware Revision	434				
MAC Address	00:13:95:23:4B:EB				
Boot Counter	1364				
Running Time	136 hours				
► Platform Information					
System Date	[Fri 08/23/2019]				
System Time	[10:15:42]				

Help text on the right:

- ↑: Select Screen
- ↓: Select Item
- Enter: Select
- +/-: Change Opt.
- F1: General Help
- F2: Previous Values
- F9: Optimized Defaults
- F10: Save & Exit
- ESC: Exit

Version 2.18.1263. Copyright (C) 2018 American Megatrends, Inc.

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
048200	048200	B.5	B.5	L131719 and previous	Later than L131719
048201	048201	B.5	B.5	L132619 and previous	Later than L132619
048202	048202	B.5	B.5	L131719 and previous	Later than L131719
048203	048203	B.5	B.5	L131719 and previous	Later than L131719
048204	048204	B.5	B.5	L133720 and previous	Later than L133720
048205	048205	B.5	B.5	L133819 and previous	Later than L133819
048210	048210	B.5	B.5	L133819 and previous	Later than L133819
048211	048211	B.5	B.5	L132721 and previous	Later than L132721
048213	048213	B.5	B.5	L133720 and previous	Later than L133720
648201	648201	A.1	A.1	L131121 and previous	Later than L131121