

1 PCN Information

Title	Product Change Notification		
PCN Number	PCN-2012-TSSL_CSx_HSP-0002	Issue Date (yyyy-mm-dd)	2021-09-09
PCN Revision	1.0	Effective Date (yyyy-mm-dd)	2021-09-22
Refers to Change Order	MCO-001420	Expiration Date (yyyy-mm-dd)	N/A
Refers to Change Request	N/A	Authors	SDA/ICH

2 Product Identification

2.1 Product Data

	Pre-Conversion	Post-Conversion
Product Name	conga-TS170/CSA-HP-B conga-TS170/CSA-HP-T conga-TS170/CSP-HP-B conga-TS170/CSP-HP-T conga-TS170/HSP-HP-B conga-TS170/HSP-HP-T	conga-TS170/CSA-HP-B conga-TS170/CSA-HP-T conga-TS170/CSP-HP-B conga-TS170/CSP-HP-T conga-TS170/HSP-HP-B conga-TS170/HSP-HP-T
Product Number P/N	045930 045931 045932 045933 045934 045935	045930 045931 045932 045933 045934 045935
Serial Number S/N	N/A	N/A
Lot Number	N/A	N/A
Hardware Revision	X.6	A.3
BIOS Revision	N/A	N/A
congatec Board Controller Revision	N/A	N/A

Product Change Notification

2.2 Means of Distinguishing Changed Products

		Remark
Product Number	<input type="checkbox"/>	
Hardware Revision	<input checked="" type="checkbox"/>	
Lot Code	<input type="checkbox"/>	
Label	<input type="checkbox"/>	
Other	<input type="checkbox"/>	

3 Description and Reason of Change

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 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 Hardware Changes

1. Changed total thickness, shape, and positioning of CPU heat stack to improve cooling performance.
2. Changed size and type of phase change material used for CPU and PCH.
3. Implemented different springs for CPU heat stack to improve the overall cooling performance.
4. Replaced fan for active cooling solutions. The new fan supports PWM (4 pin) for active fan speed control.



Note

Hardware revisions A.0, A.1 and A.2 were never released to Mass Production and were for internal use only.

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

N/A

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.

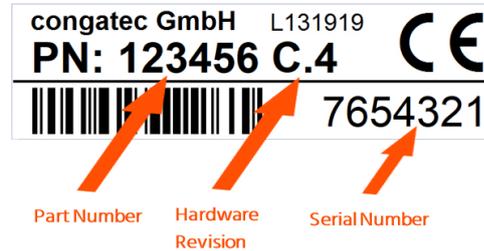
Customer Name	
Title	
Phone	
Fax	
eMail	

8 Revision History

Revision	Date (yyyy-mm-dd)	Author	Changes
1.0	2021-09-09	SDA/ICH	Initial Release

9 Appendix: congatec revision description

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



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
045930	045930	X.6	A.3	N/A	N/A
045931	045931	X.6	A.3	N/A	N/A
045932	045932	X.6	A.3	N/A	N/A
045933	045933	X.6	A.3	N/A	N/A
045934	045934	X.6	A.3	N/A	N/A
045935	045935	X.6	A.3	N/A	N/A