



Connect Tech Inc.

Embedded Computing Experts

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Product Change Notification

Photon NGX002, NGX003

Rudi-NX ESG602

PCN Number:	CTIU-00032
Revision:	0.00
Issue Date:	2021-03-23
Effective Date:	2021-03-23

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1 Product Identification

1.1 Product Data

	Current Version	Future Versions
Product Name	Photon Carrier Board	Photon Carrier Board
CTI Part Numbers	NGX002, NGX003	NGX002, NGX003
Hardware Revision	E	F
Product Name	Rudi-NX	Rudi-NX
CTI Part Numbers	ESG602	ESG602
Hardware Revision	C	D

1.2 Means of Distinguishing Changed Products

		Remark
Product Number	<input checked="" type="checkbox"/>	NGX002, NGX003
Hardware Revision	<input checked="" type="checkbox"/>	E
Lot Code	<input type="checkbox"/>	
Label	<input type="checkbox"/>	
Other	<input type="checkbox"/>	

		Remark
Product Number	<input checked="" type="checkbox"/>	ESG602
Hardware Revision	<input checked="" type="checkbox"/>	C
Lot Code	<input type="checkbox"/>	
Label	<input type="checkbox"/>	
Other	<input type="checkbox"/>	

2 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"/>		

Photon Carrier Revision E and Rudi-NX Revision C

Due to an internal component being used on Photon Carrier (Revision E) and Rudi-NX (Revision C), there is potential that HDMI shows as plugged in even when it is left unconnected on the Serial Debug UART. This may cause issues in some applications and/or configurations. If you are experiencing this issue please contact support@connecttech.com to arrange for RMA and modification.

Note: If HDMI is connected/used in your application this will have no effect on your application or performance.

All NGX002 Photon Carriers with SN: 3136 and later will already have this fix implemented.
 All NGX003 Photon Carriers with SN: 3336 and later will already have this fix implemented.
 All Rudi-NX Systems with SN: 1211 and later will already have this fix implemented.

3 Impact of change (positive or negative) on fit, form, function & reliability

3.1 Quality and Reliability

There are no changes to quality or reliability.

3.2 Software Compatibility

There is no change to software compatibility.

3.3 Hardware Compatibility

There is no change to hardware compatibility.

3.4 Mechanical Compatibility

There is no change to mechanical compatibility.

4 Product / Revision Discontinuation

After the release of this document only updated product with this PCN applied will be shipped.

5 Contact Information

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