



Connect Tech Inc.

Embedded Computing Experts

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Product Change Notification

Photon NGX002, NGX003

PCN Number:	CTIU-00035
Revision:	0.01
Issue Date:	2022-05-11
Effective Date:	2021-08-05

Connect Tech Inc.

489 Clair Rd W, Guelph, ON CANADA N1L 0H7

Tel: 519.836.1291 • North America: 800.426.8979 • Fax: 519.836.4878

sales@connecttech.com • <http://www.connecttech.com>

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1 Product Identification

	Version
Product Name	Photon Carrier Board
CTI Part Numbers	NGX002, NGX003

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 checked="" type="checkbox"/>
Testing	<input type="checkbox"/>	DFM	<input type="checkbox"/>
Manufacturing Site	<input type="checkbox"/>	Other	<input type="checkbox"/>
Equipment	<input type="checkbox"/>		

Product Installation Advisory: Photon Carrier PoE PD Version NGX002 – All revisions

The product manual CTIM-00080 has been updated with important guidelines regarding powering NGX002 with POE and then connecting any of P6 USB Console, P9 GPIO, P12 HDMI, and P13 USB OTG to **externally** powered equipment. Please review this section of the manual carefully to avoid damage to product and equipment.

Product Enhancement: Photon Carrier NGX002, NGX003 Revision F and Later

In order to provide more grounding connectivity options when integrating the Photon carrier into systems and applications, additional flexibility of ground and frame ground connection schemes are present via configurable jumpers.



All NGX002 Photon Carriers Revision F and later will have these options available.
All NGX003 Photon Carriers Revision F and later will have these options available.

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

Phone	+1-519-836-1291
Email	sales@connecttech.com