



Connect Tech Inc.

Embedded Computing Experts

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Product Change Notification

ASG006 Spacely replacmeent ASG026

PCN Number:	CTIU-00067
Revision:	0.00
Issue Date:	2023-10-10
Effective Date:	2023-10-10

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>

1 Product Identification

1.1 Product Data

	Original Product	New Alternate Product
Product Name	Spacely Carrier for NVIDIA Jetson TX2/TX2i	Spacely Carrier for NVIDIA Jetson TX2/TX2i
Part Numbers	ASG006, ASG009	ASG026, ASG029
Hardware Revision	A-G	J+

1.2 Means of Distinguishing Changed Products

Part Number	<input checked="" type="checkbox"/>	Label will now read ASG026 or ASG029
Hardware Revision	<input checked="" type="checkbox"/>	Silk screen will indicate Revision J
Label	<input type="checkbox"/>	
Other	<input type="checkbox"/>	

2 Description and Reason of Change

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

Due to end-of-life components, Connect Tech has designed a replacement for the Spacely carrier (ASG006/009). This new product (ASG026 / 029) has some minor component changes, and two major ones that will impact behaviour.

The new product replaces the ethernet controller with the newer i210, which is present on most Connect Tech products, as well as the SPI can controller with MCP2518.

The i210 will be supported by existing ethernet drivers, while the MCP2518 will require a software update.

Part Number	Ethernet Controller	CAN Controller
ASG006, ASG009	WG82574IT	MCP2515
ASG026, ASG029	WGI210IT	MCP2518

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

3.1 Quality and Reliability

There are negligible differences to the reliability.

3.2 Software Compatibility

With exception of CAN controller support, ASG026/029 may work with existing ASG006/009 software and BSP, depending on age of release.

For CAN support, please visit <https://connecttech.com/resource-center/l4t-board-support-packages/> and download CTI L4T 32.7.3.

3.3 Hardware Compatibility

The ASG026/29 is functionally compatible with the ASG006/ASG009. ASG026 has the same features and will perform at the same data rates; but the hardware implementation is different.

3.4 Mechanical Compatibility

The ASG026/29 is mechanically compatible for the ASG006/ASG009. There are no changes to size, shape, nor connector position.

4 Product / Revision Discontinuation

Once existing stock has been sold, the ASG006/009 will no longer be offered for purchase. Customers will be required to change existing sales orders to the newer product numbers.

5 Contact Information

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