



**Connect Tech Inc.**  
**Embedded Computing Experts**

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# **Product Change Notification**

## ***Connect Tech Inc. PCN***










<b>PCN Number:</b>	CTIU-00002
<b>Revision:</b>	0.00
<b>Issue Date:</b>	2017-05-16
<b>Effective Date:</b>	2017-05-16
<b>Authors:</b>	PD, DB

# 1 Product Identification

## 1.1 Product Data

	Previous Version	New NA Version	New Multi-Region Version
<b>Product Name</b>	NVIDIA® Jetson™ Power Supply	NVIDIA® Jetson™ North American Power Supplies	NVIDIA® Jetson™ Multi-Region Power Supplies
<b>CTI Part Numbers</b>	MSG062 - Astro (ASG001) PSU MSG063 - Elroy (ASG002) PSU MSG064 - Orbitty (ASG003) PSU	MSG062 - Astro (ASG001) NA PSU MSG063 - Elroy (ASG002) NA PSU MSG064 - Orbitty (ASG003) NA PSU	MSG070 - Astro (ASG001) MR PSU MSG071 - Elroy (ASG002) MR PSU MSG072 - Orbitty (ASG003) MR PSU
<b>OEM Part Numbers</b>	SDI65-12-U-P5	SWI24-12-N-P5	SMI24-12-V-P5
<b>Serial Number</b>	N/A	N/A	N/A
<b>Lot Number</b>	N/A	N/A	N/A
<b>Hardware Revision</b>	N/A	N/A	N/A
<b>Firmware Version</b>	N/A	N/A	N/A

## 1.2 Means of Distinguishing Changed Products

		Remark						
<b>Product Number</b>	<input type="checkbox"/>							
<b>Hardware Revision</b>	<input type="checkbox"/>							
<b>Lot Code</b>	<input type="checkbox"/>							
<b>Label</b>	<input checked="" type="checkbox"/>	See manufacturer's label on power supply.  <table border="1" data-bbox="573 1115 1438 1465"> <thead> <tr> <th>Previous Version MSG062, MSG063, MSG064 MFG PN: SDI65-12-U-P5</th> <th>New NA Version MSG062, MSG063, MSG064 MFG PN: SWI24-12-N-P5</th> <th>New Multi-Region Version MSG070, MS071, MSG072 MFG PN: SMI24-12-V-P5</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Previous Version MSG062, MSG063, MSG064 MFG PN: SDI65-12-U-P5	New NA Version MSG062, MSG063, MSG064 MFG PN: SWI24-12-N-P5	New Multi-Region Version MSG070, MS071, MSG072 MFG PN: SMI24-12-V-P5			
Previous Version MSG062, MSG063, MSG064 MFG PN: SDI65-12-U-P5	New NA Version MSG062, MSG063, MSG064 MFG PN: SWI24-12-N-P5	New Multi-Region Version MSG070, MS071, MSG072 MFG PN: SMI24-12-V-P5						
								
<b>Other</b>	<input checked="" type="checkbox"/>	AC Plug Type						

## 2 Description and Reason of Change

<b>AVL</b>	<input type="checkbox"/>	<b>Product Improvement</b>	<input checked="" type="checkbox"/>
<b>Material</b>	<input type="checkbox"/>	<b>BIOS Release</b>	<input type="checkbox"/>
<b>Assembly Process</b>	<input type="checkbox"/>	<b>Firmware Release</b>	<input type="checkbox"/>
<b>Assembly BOM</b>	<input type="checkbox"/>	<b>Datasheet / Manual</b>	<input type="checkbox"/>
<b>Testing</b>	<input type="checkbox"/>	<b>DFM</b>	<input type="checkbox"/>
<b>Manufacturing Site</b>	<input type="checkbox"/>	<b>Other</b>	<input type="checkbox"/>
<b>Equipment</b>	<input type="checkbox"/>		

Previously a “Desktop Adapter” style AC/DC power supply with a 12V 60W output, was shipped out with the following CTI Part Numbers:

<b>Revision</b>	<b>CTI Jetson Supported Product</b>
MSG062	Astro – NA Version
MSG063	Elroy – NA Version
MSG064	Orbitty – NA Version

This power supply used a multi-region AC input with a separate line chord. The previous Desktop Adapter used the following manufacturer’s part number **SDI65-12-U-P5**.

These above MSG part numbers have now been changed to use a “Wall Mount” style AC/DC power supply with a 12V 24W output which is region specific to North America, using the manufacturer’s part number **SWI24-12-N-P5**.

This change has been made to better suit the low-powered applications of Connect Tech’s NVIDIA Jetson carrier boards. The new 24W supply will still provide the proper current sourcing capabilities to support Connect Tech’s carrier boards mated with the NVIDIA Jetson TX2 or TX1 module as well as power external peripherals for most use cases.

Customers requiring multi-region support outside of North America, the following part numbers have now been created:

<b>Revision</b>	<b>CTI Jetson Supported Product</b>
MSG070	Astro – Multi-Region Version
MSG071	Elroy – Multi-Region Version
MSG072	Orbitty – Multi-Region Version

These Multi-Region version will use the manufacturer’s part number: **SMI24-12-V-P5**.

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

#### 3.1 Quality and Reliability

The changes listed in Section 2 will have no effect on the overall quality and reliability of the power supply or the Connect Tech carrier board.

#### 3.2 Software Compatibility

N/A

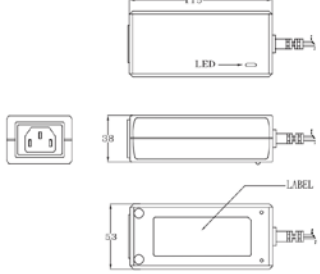
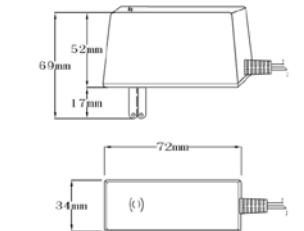
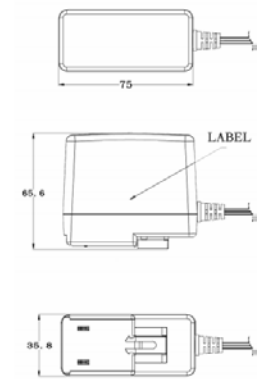















#### 3.3 Hardware Compatibility

Customers in the regions outside of North America will no longer be able to use the MSG062, MSG063 or MSG064 part numbers as these have a plug set and input range only rated for North America. These customers must now switch to use MSG070, MSG071 and MSG072 part numbers for multi-region support.

#### 3.4 Mechanical Compatibility

The shift from a “Desktop Adapter” style power supply (SDI65-12-U-P5) to a “Wall Mount” style power supply (SWI24-12-N-P5/ SMI24-12-V-P5), may cause some mechanical clearance issues depending on the end-use application.

Mechanical Details are shown below:

<b>Previous Version</b> <b>MSG062, MSG063, MSG064</b> MFG PN: SDI65-12-U-P5	<b>New NA Version</b> <b>MSG062, MSG063, MSG064</b> MFG PN: SWI24-12-N-P5	<b>New Multi-Region Version</b> <b>MSG070, MS071, MSG072</b> MFG PN: SMI24-12-V-P5																								
		 <table border="1" data-bbox="922 1648 1399 1890"> <thead> <tr> <th colspan="6">INTERCHANGEABLE BLADES</th> </tr> <tr> <th>BLADE DESIGNATOR</th> <th>N</th> <th>E</th> <th>B</th> <th>A</th> <th>C</th> </tr> <tr> <th>REGION</th> <td>North America</td> <td>Europe</td> <td>UK</td> <td>Australia</td> <td>China</td> </tr> </thead> <tbody> <tr> <th>BLADE</th> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	INTERCHANGEABLE BLADES						BLADE DESIGNATOR	N	E	B	A	C	REGION	North America	Europe	UK	Australia	China	BLADE					
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## 4 Product / Revision Discontinuation

All MSG062, MSG063, MSG064 power supplies which previously shipped with SDI65-12-U-P5 65W power supplies are now deemed as EOL status (End-Of-Life).

After the release of this PCN there will be a transition time of 3 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.

## 5 Contact Information

<b>Phone</b>	+1-519-836-1291
<b>Email</b>	sales@connecttech.com

## APPENDIX A – Power Supply Part Number Table

CTI Part Number	Base OEM Part Number	Details
MSG062	SWI24-12-N-P5	<b>Astro North American Power Supply</b> - Input 90-264 VAC, North American Plug - Output 12V DC, 2A, 24W - Includes mating cable assembly to mate to 3.5mm terminal plug
MSG063	SWI24-12-N-P5	<b>Elroy North American Power Supply</b> - Input 90-264 VAC, North American Plug - Output 12V DC, 2A, 24W - Includes mating cable assembly to mate to 6-pin Minitek plug
MSG064	SWI24-12-N-P5	<b>Orbitty North American Power Supply</b> - Input 90-264 VAC, North American Plug - Output 12V DC, 2A, 24W - Includes mating cable assembly to flying leads
MSG070	SMI24-12-V-P5	<b>Astro Multi-Region Power Supply</b> - Input 90-264 VAC, Multi-Region Interchangeable Blade Plugs - Input Blades for North America, Europe, UK, Australia and China - Output 12V DC, 2A, 24W - Includes mating cable assembly to mate to 3.5mm terminal plug
MSG071	SMI24-12-V-P5	<b>Elroy Multi-Region Power Supply</b> - Input 90-264 VAC, Multi-Region Interchangeable Blade Plugs - Input Blades for North America, Europe, UK, Australia and China - Output 12V DC, 2A, 24W - Includes mating cable assembly to mate to 6-pin Minitek plug
MSG072	SMI24-12-V-P5	<b>Orbitty Multi-Region Power Supply</b> - Input 90-264 VAC, Multi-Region Interchangeable Blade Plugs - Input Blades for North America, Europe, UK, Australia and China - Output 12V DC, 2A, 24W - Includes mating cable assembly to flying leads