



# Connect Tech Inc.

## Embedded Computing Experts

[www.connecttech.com](http://www.connecttech.com)

# Product Change Notification

## *COM Express® Type 7 Carrier Board CCG070*

<b>PCN Number:</b>	CTIU-00039
<b>Revision:</b>	0.00
<b>Issue Date:</b>	2021-11-10
<b>Effective Date:</b>	2021-11-10

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**DISPOSE BY SHREDDING.**

## 1 Product Identification

### 1.1 Product Data

	Previous Versions	Current Version	Future Versions
<b>Product Name</b>	COM Express® Type 7 Carrier Board	COM Express® Type 7 Carrier Board	COM Express® Type 7 Carrier Board
<b>CTI Part Numbers</b>	CCG070	CCG070	CCG070
<b>Hardware Revision</b>	A,B,C	D	E

### 1.2 Means of Distinguishing Changed Products

		Remark
<b>Product Number</b>	<input checked="" type="checkbox"/>	CCG070
<b>Hardware Revision</b>	<input checked="" type="checkbox"/>	A,B,C, D
<b>Lot Code</b>	<input type="checkbox"/>	
<b>Label</b>	<input type="checkbox"/>	
<b>Other</b>	<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 checked="" type="checkbox"/>	DFM	<input type="checkbox"/>
Manufacturing Site	<input type="checkbox"/>	Other	<input type="checkbox"/>
Equipment	<input type="checkbox"/>		

### 2.1 Denverton Module Support

CCG070 Revision D: Includes a jumper option, J1B, to support both Denverton and Broadwell based modules. Please see CCG070 Manual (0.09) or later for a description of jumper usage

### 2.2 DFI brand Denverton Module Support

DFI Denverton modules have a hard set MDIO address when communicating with the Inphi CS4223E. If customers plan to use such modules, then a CCG170 should be ordered with the correct MDIO address set

### 2.3 PCIe Lane Change for Mini PCIe

CCG070 Revision D: The Mini PCIe half card that was located on PCIe lane 1, Connector position P13B, has been moved to PCIe Lane 4 for additional module compatibility with Denverton modules.

### 2.4 Large Inrush Current using ATX style power up.

All Revisions: Certain combinations of power supplies and COM Express modules may cause large inrush current when configured for ATX style boot. This may prevent the unit from powering up would be identified by the 12V, 5V, 3V3 LEDs flickering on then back off repetitively.

If the issue is seen in the users configuration, it is suggested to set the CCG070 into an AT style power up mode by setting S1 - Switch 1 ON into the 12V bypass mode.

### **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**

CCG070 Rev C and earlier are only compatible with Broadwell based modules  
CCG070 Rev D is compatible with both Broadwell and Denverton modules

#### **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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