



Connect Tech Inc.

Embedded Computing Experts

www.connecttech.com

Product Change Notification

CCG011 Revision

| | |
|------------------------|------------|
| PCN Number: | CTIU-00051 |
| Revision: | 0.00 |
| Issue Date: | 2022-10-03 |
| Effective Date: | 2022-10-03 |

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

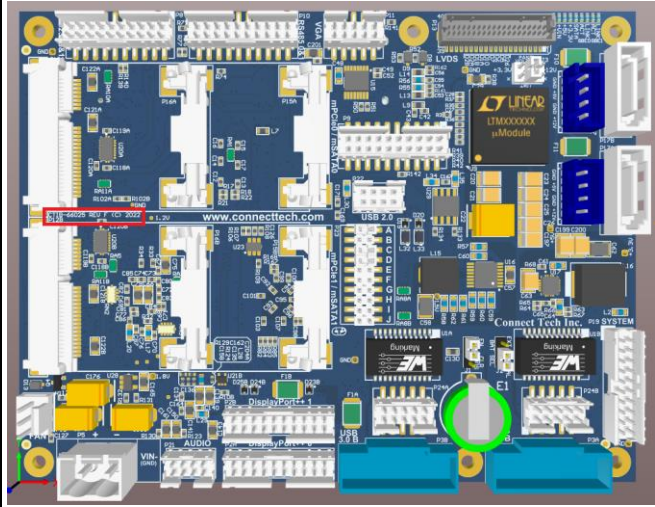
sales@connecttech.com • <http://www.connecttech.com>

1 Product Identification

1.1 Product Data

| | Previous Version | New Version |
|--------------------------|---|---|
| Product Name | COM Express® Type 6 Rugged Ultra Lite Carrier Board | COM Express® Type 6 Rugged Ultra Lite Carrier Board |
| Part Numbers | CCG011, CCG012 | CCG011, CCG012 |
| Hardware Revision | Revision E and below | Revision F and above |

1.2 Means of Distinguishing Changed Products

| | | |
|--------------------------|-------------------------------------|--|
| Part Number | <input type="checkbox"/> | |
| Hardware Revision | <input checked="" type="checkbox"/> | See section 1.1 for relevant Revision information  |
| 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 checked="" 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"/> | | |

2.1 Ethernet Controller I210 Migration

Fulfilment of CTIU-00031 PCN.

For more information, please view the PCN: CTI Product Migrating from Intel 82574 to i210.

<https://www.connecttech.com/ftp/pdf/CTIU-00031.pdf>

2.2 Upgraded Input Power Protection

Removed Input power fuse and added more explicit reverse and overvoltage protection.

2.3 Alternate SKU Offering

Due to part shortages, Connect Tech is offering feature reduced variants of the COM Express® Type 6 Rugged Ultra Lite Carrier Board. These SKUs may have a faster lead time if larger orders are placed.

| Part Number SKU | CCG040 | CCG041 | CCG042 | CCG043 |
|------------------|----------|---|----------|---|
| Base Part number | CCG011 | CCG011 | CCG012 | CCG012 |
| Removed Features | No Audio | No Audio or 2 nd Ethernet Port | No Audio | No Audio or 2 nd Ethernet Port |

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

3.1 Quality and Reliability

The upgraded input power protection will provide better reverse and overvoltage protection than previous revisions.

3.2 Software Compatibility

For more information, please view the PCN: CTI Product Migrating from Intel 82574 to i210.

<https://www.connecttech.com/ftp/pdf/CTIU-00031.pdf>

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

Revisions E and lower will be discontinued because of the discontinuation of the Intel 82574 Ethernet controller. Please contact Connect Tech Sales with any questions or concerns.

5 Contact Information

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