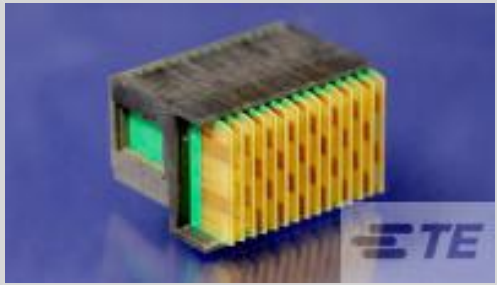




Connectors > PCB Connectors > Backplane Connectors > High Speed Connectors



Connector System: **Board-to-Board**  
Number of Positions: **105**  
Row-to-Row Spacing: **1.35 mm [ .053 in ]**  
Mating Alignment: **With**  
Mating Alignment Type: **Polarization**

Features

Product Type Features

|                                       |                       |
|---------------------------------------|-----------------------|
| Applied to Printed Circuit Board Type | Daughtercard          |
| Connector System                      | Board-to-Board        |
| PCB Connector Assembly Type           | PCB Mount Header      |
| Shroud Style                          | Fully Shrouded        |
| Connector & Contact Terminates To     | Printed Circuit Board |

Configuration Features

|                        |                       |
|------------------------|-----------------------|
| Card Slot Centerline   | 20.3 mm[.8 in]        |
| Number of Positions    | 105                   |
| Number of Rows         | 7                     |
| Number of Columns      | 15                    |
| Backplane Architecture | Traditional Backplane |
| PCB Mount Orientation  | Right Angle           |
| Guide Location         | Center                |

Contact Features

|                              |     |
|------------------------------|-----|
| Contact Current Rating (Max) | 1 A |
|------------------------------|-----|

Mechanical Attachment

|                       |              |
|-----------------------|--------------|
| Mating Alignment      | With         |
| Mating Alignment Type | Polarization |



|                         |             |
|-------------------------|-------------|
| Connector Mounting Type | Board Mount |
|-------------------------|-------------|

Housing Features

|                          |                 |
|--------------------------|-----------------|
| Number of Shrouded Sides | 2               |
| Centerline (Pitch)       | 1.8 mm[.071 in] |

Dimensions

|                    |                  |
|--------------------|------------------|
| Row-to-Row Spacing | 1.35 mm[.053 in] |
|--------------------|------------------|

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Product Compliance

For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Not Compliant                                                                                                                                                                                                                                                                                                                                                                                                                |
| EU ELV Directive 2000/53/EC                   | Not Compliant                                                                                                                                                                                                                                                                                                                                                                                                                |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold                                                                                                                                                                                                                                                                                                                                                                                         |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2022 (224)<br>Candidate List Declared Against: JUL 2021 (219)<br>SVHC > Threshold:<br>Pb (13% in Component Part)<br><b>Article Safe Usage Statements:</b><br>Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| Halogen Content                               | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.                                                                                                                                                                                                                                                                                                                                                                       |
| Solder Process Capability                     | Not applicable for solder process capability                                                                                                                                                                                                                                                                                                                                                                                 |

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) ‘Guidance on requirements for substances in articles’ posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>



Compatible Parts

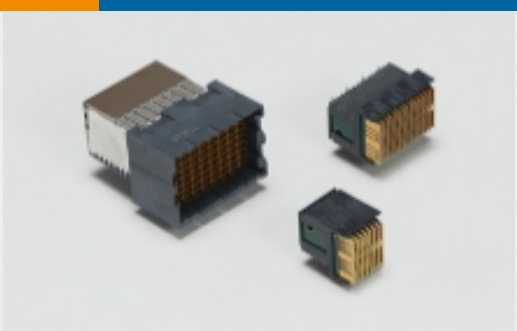


TE Part # 2000676-1  
Keyed Guide Pin, Machined, Vita 46



TE Part # 2000713-1  
RA Keyed Guide Mod, Vita 46, Machined

Also in the Series | MULTIGIG RT 2



High Speed Backplane Connectors(42)

Documents

Product Drawings

MULTIGIG RT T2 7RW DC DF CT

English

CAD Files

Customer View Model

ENG\_CVM\_1410147-1\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_1410147-1\_B.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_1410147-1\_B.2d\_dxf.zip

English

3D PDF

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

High Speed Backplane Connectors catalog - MULTIGIG RT Connector

English

Board-Level Interconnects for Rugged Embedded Computing Brochure

English





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**Product Environmental Compliance**

**TE Material Declaration**

English

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**Instruction Sheets**

**Instruction Sheet (U.S.)**

English