

1410140-1 ✓ ACTIVE

MULTIGIG RT | MULTIGIG RT 2

TE Internal #: 1410140-1

High Speed Backplane Connectors, Board-to-Board, 144 Position, Mating Alignment, Polarization Mating Alignment Type, 9 Row, 16 Column, MULTIGIG RT 2

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Connectors > PCB Connectors > Backplane Connectors > High Speed Connectors



Connector System: **Board-to-Board**

Number of Positions: **144**

Row-to-Row Spacing: **1.8 mm [ .071 in ]**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

## Features

### Product Type Features

Applied to Printed Circuit Board Type	Backplane
Connector System	Board-to-Board
PCB Connector Assembly Type	PCB Mount Receptacle
Shroud Style	Unshrouded
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Card Slot Centerline	20.3 mm [.8 in]
Number of Positions	144
Number of Rows	9
Number of Columns	16
Backplane Architecture	Traditional Backplane
PCB Mount Orientation	Vertical
Guide Location	Center

### Contact Features

Contact Current Rating (Max)	1 A
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### Mechanical Attachment

Mating Alignment	With
Mating Alignment Type	Polarization



Connector Mounting Type	Board Mount
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### Housing Features

Number of Shrouded Sides	0
Centerline (Pitch)	1.8 mm[.071 in]

### Dimensions

Row-to-Row Spacing	1.8 mm[.071 in]
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### Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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### Operation/Application

Circuit Application	Power & Signal
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### Other

Comment	Connector J5 will use connector J6 when physical position of J6 is either not being used or a connector other than MULTIGIG RT is in this position such as a FO connector.
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## 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	Compliant with Exemptions
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) Candidate List Declared Against: JUNE 2022 (224) SVHC > Threshold: Pb (13% in Component Part) <b>Article Safe Usage Statements:</b> 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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 # 1410137-1  
MULTIGIG RT T2 .8" DC DF F-CTR



TE Part # 1410137-2  
MULTIGIG RT T2 .8" DC DF F-CTR

## Also in the Series | MULTIGIG RT 2



High Speed Backplane Connectors(42)

## Documents

### Product Drawings

MULTIGIG RT T2 .8" BP FULL CNT

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1410140-1\\_D.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1410140-1\\_D.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1410140-1\\_D.3d\\_stp.zip](#)



English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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### Datasheets & Catalog Pages

[High Speed Backplane Connectors catalog - MULTIGIG RT Connector](#)

English

[SOSA Aligned Interconnect Solutions](#)

English

[MULTIGIG RT Connector Products for VITA 46 \(VPX\) Standard](#)

English

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### Product Specifications

[Electrical Performance Report](#)

English

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### Product Environmental Compliance

[TE Material Declaration](#)

English