

1410971-3 ✓ ACTIVE

MULTIGIG RT | MULTIGIG RT 2

TE Internal #: 1410971-3

High Speed Backplane Connectors, 56 Position, Mating Alignment, Polarization Mating Alignment Type, 7 Row, 8 Column, PCB Mount Header, MULTIGIG RT 2

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Connectors > PCB Connectors > Backplane Connectors > High Speed Backplane Connectors



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

Number of Positions: **56**

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] |
| Backplane Architecture | Traditional Backplane |
| Number of Positions | 56 |
| Number of Rows | 7 |
| Number of Columns | 8 |
| PCB Mount Orientation | Right Angle |
| Guide Location | Left |

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 | <p>Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUL 2021 (219) SVHC > Threshold: Pb (7% in contact plating)</p> |
|--|--|

Article Safe Usage Statements:

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

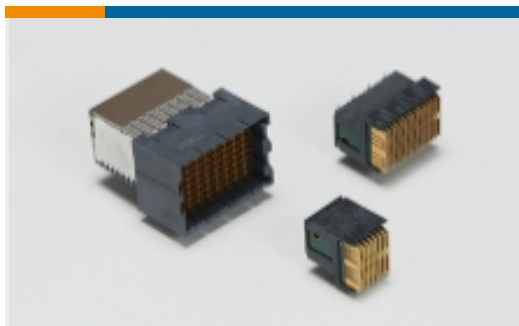


TE Part # 2000676-1
Keyed Guide Pin, Machined, Vita 46



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

Also in the Series | MULTIGIG RT 2



High Speed Backplane Connectors(42)

Customers Also Bought



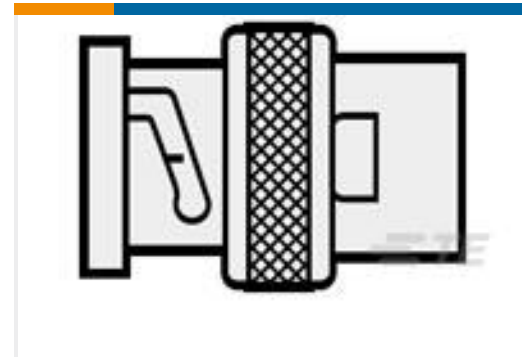
TE Part #2102061-2
Mezalok, Socket, 114 p, 10 mm, 50 Au, LF



TE Part #1410968-3
MULTIGIG RT2 7RW RTM DC DF CT



TE Part #1410964-1
MULTIGIG RT T2 .8" BP FULL CNT



TE Part #918455-000
RBD-75-S-00



TE Part #8-1617542-2
JMGAP-12P=M39016/17-028P



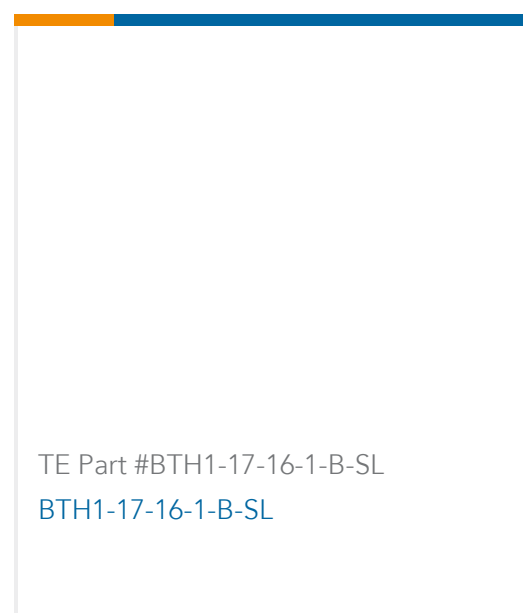
TE Part #EH7099-000
BTH1-13-08-1-B



TE Part #BTH1-15-09-1-ZN
BTH1-15-09-1-ZN



TE Part #BTH1-19-12-1-B
BTH1-19-12-1-B



Documents

Product Drawings

[MULTIGIG RT T2 7RW H-LFT RTM](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1410971-3_A.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1410971-3_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1410971-3_A.3d_stp.zip](#)

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

Product Specifications

[Product Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English