# 2302795-2 ✔ ACTIVE

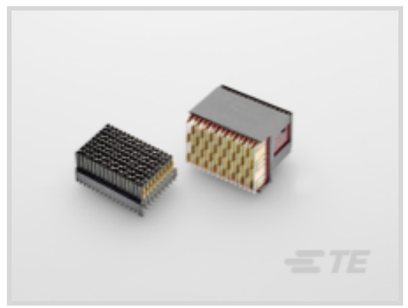
MULTIGIG RT 3

TE Internal #: 2302795-2

112 Position High Speed Backplane Connector, 7 Row, 16 Column, PCB Mount Header, Right Angle, Unshrouded, 1.8 mm [.075 in] Centerline, MULTIGIG RT 3

View on TE.com >

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



Number of Positions: **112**

Row-to-Row Spacing: **1.35 mm [ .053 in ]**

Mating Alignment: **With**

Mating Alignment Type: **Keyed**

Number of Rows: **7**

## Features

### Product Type Features

| | |
|---|---|
| Signal Arrangement | Differential |
| Connector & Contact Terminates To | Printed Circuit Board |
| Compatible with PCB Type | Daughtercard |
| Connector System | Board-to-Board |
| PCB Connector Type | PCB Mount Header |
| Shroud Style | Unshrouded |

### Configuration Features

| | |
|---|---|
| Number of Pairs | 32 |
| Number of Power Positions | 0 |
| Number of Ground Positions | 40 |
| Backplane Architecture | Traditional Backplane |
| Number of Signal Positions | 8 |
| Card Slot Centerline | 20.3 mm[.8 in] |
| Number of Positions | 112 |
| Number of Rows | 7 |
| Number of Columns | 16 |
| PCB Mount Orientation | Right Angle |
| Guide Location | Unguided |



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### Signal Characteristics

| | |
|---|---|
| Number of Differential Pairs per Column | 2 |
| Differential Impedance | 100 Ω |

### Contact Features

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

### Termination Features

| | |
|---|---|
| Termination Method to PCB | Through Hole - Press-Fit |

### Mechanical Attachment

| | |
|---|---|
| Mating Alignment | With |
| Mating Alignment Type | Keyed |
| Connector Mounting Type | Board Mount |

### Housing Features

| | |
|---|---|
| Housing Material | Liquid Crystal Polymer (LCP) GF |
| Number of Shrouded Sides | 2 |
| Centerline (Pitch) | 1.8 mm[.075 in] |

### Dimensions

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

### Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -55 – 125 °C[-67 – 257 °F] |

### Operation/Application

| | |
|---|---|
| Circuit Application | Signal |

## Product Compliance

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

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JAN 2025 (247)<br>Does not contain REACH SVHC |



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| | |
|---|---|
| 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

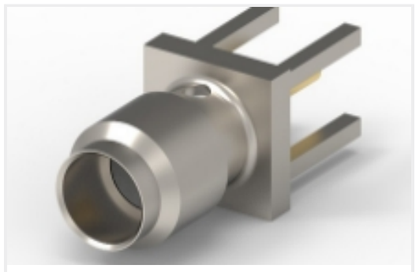


TE Part # 2000713-1
RA Keyed Guide Mod, Vita 46, Machined



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

## Also in the Series | MULTIGIG RT 3



OSMM RF Connectors(1)



PCB RF Modules(1)

## Customers Also Bought



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TE Part #203189-E
MJIM IM 1X1 S 810 GF5 X R THRU * * M5B01



TE Part #1116062-2
MJ,10MM,8P,BEZEL PNL TABS,SN



TE Part #1410187-4
MULTIGIG RT T2 7RW DC DF CT



TE Part #1410956-1
MULTIGIG RT GUIDEPIN KIT ASSEMBLY



TE Part #1-1469492-2
MULTIGIG RT 9MM GUIDE/ESD 45 DEG



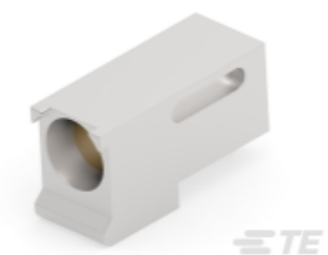
TE Part #1-1469492-9
MULTIGIG RT 9MM GUIDE/ESD UNKE



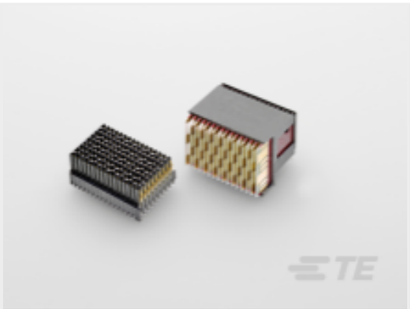
TE Part #2000713-9
RA Keyed Guide Mod, Vita 46, Machined



TE Part #1-2000713-2
RA Keyed Guide Mod, Vita 46, Machined



TE Part #1-2000713-3
RA Keyed Guide Mod, Vita 46, Machined



TE Part #2302794-1
RAPLUGASSY,CENTERRP0,RTM,VPX, MGRT3

## Documents

### Product Drawings

RAPLUGASSY,CENTERDP,RTM,VPX,MG RT3

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2302795-2_2.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2302795-2_2.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2302795-2_2.3d_stp.zip

English

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### Product Specifications



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## Application Specification

English

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