2102768-1 ✔ ACTIVE

MULTIGIG RT | MULTIGIG RT 2-R

TE Internal #: 2102768-1

144 Position High Speed Backplane Connector, 9 Row, 16 Column, PCB Mount Receptacle, Vertical, Unshrouded, 1.8 mm [.07 in] Centerline, MULTIGIG RT 2-R

View on TE.com >

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

Number of Positions: **144**

Row-to-Row Spacing: **1.8 mm [.07 in]**

Mating Alignment: **With**

Number of Rows: **9**

Number of Columns: **16**

Features

Product Type Features

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

Configuration Features

Backplane Architecture	Traditional Backplane
Number of Positions	144
Number of Rows	9
Number of Columns	16
PCB Mount Orientation	Vertical
Guide Location	Center

Contact Features

Contact Current Rating (Max)	1.5 A

Mechanical Attachment

Mating Alignment	With
Connector Mounting Type	Board Mount

Housing Features

Number of Shrouded Sides	0
Centerline (Pitch)	1.8 mm[.07 in]

Dimensions

Row-to-Row Spacing	1.8 mm[.07 in]

Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °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	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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (13% in 4690948374) **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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

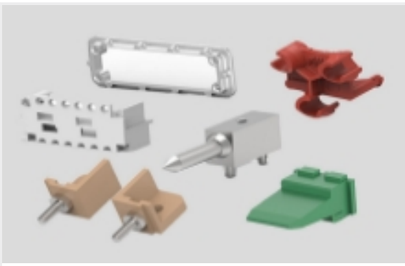
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

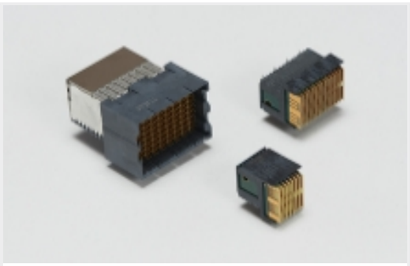
TE Part # 2000676-1
Keyed Guide Pin, Machined, Vita 46

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

Also in the Series | MULTIGIG RT 2-R



Connector Hardware(18)



High Speed Backplane Connectors(27)

Customers Also Bought

TE Part #1410956-1
MULTIGIG RT GUIDEPIN KIT ASSEMBLY

TE Part #2102735-1
BP, Half Left End, MULTIGIG RT 2R

TE Part #2102737-1
BP, Right End, MULTIGIG RT 2R

TE Part #2226127-1
RTM GUIDE PIN KIT ASSY, VITA46, MACHINED

TE Part #2102736-1
BP, Center, MULTIGIG RT 2R

TE Part #6450849-7
MBXLE R/A HED 2ACP+1LP+32S+3HDP+1LP+1P

TE Part #1-1469491-3
MULTIGIG RT GUIDEPIN, 9MM 4.20

TE Part #2301996-7
RJ45 JACK INT.MAG. 1GB LED 1X2 INV.

TE Part #2102775-1
DC, 7Row, Half End, RTM, MULTIGIG RT 2R

TE Part #1-6450869-4
V/R 2ACP+1LP+32S+3HDP+1LP+1P

Documents

Product Drawings

BP, Center, RTM, MULTIGIG RT 2R

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2102768-1_C_c-2102768-1-c.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2102768-1_C_c-2102768-1-c.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2102768-1_C_c-2102768-1-c.3d_stp.zip

English

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

Datasheets & Catalog Pages

MULTIGIG RT 2-R Ruggedized Connectors

English

Product Specifications

Application Specification

English