2302794-1 ✔ ACTIVE

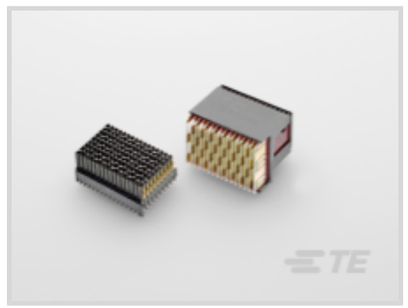
MULTIGIG RT 3

TE Internal #: 2302794-1

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

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	20
Number of Power Positions	4
Number of Ground Positions	31
Backplane Architecture	Traditional Backplane
Number of Signal Positions	20
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

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	Power & Signal

Product Compliance

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

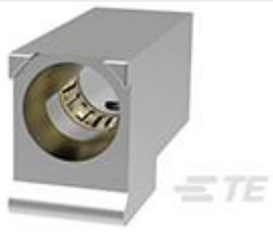
EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
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

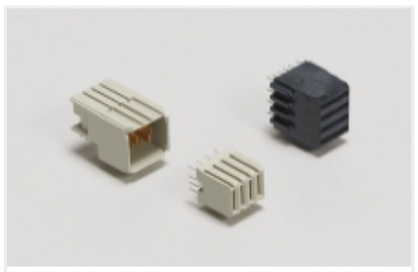


TE Part # 2000713-1
RA Keyed Guide Mod, Vita 46, Machined



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

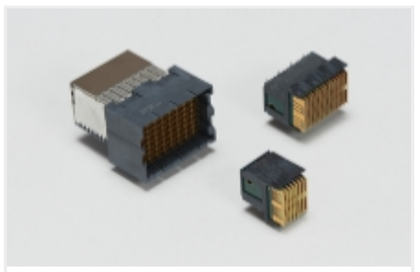
Also in the Series | MULTIGIG RT 3



Backplane Power Connectors(10)



Coax Connectors(6)

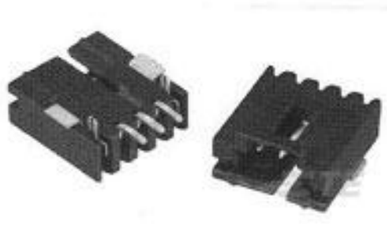


High Speed Backplane Connectors(29)



PCB RF Modules(1)

Customers Also Bought



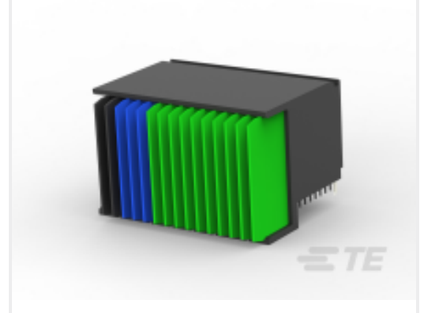
TE Part #5-147278-3
04 MTE HDR SRRA SFMNT .100CL



TE Part #1410189-4
MULTIGIG RT T2 7RW H-LFT,ET2



TE Part #1410946-1
MULTI-GIG SOC. CAP SCREW, CUSTOMIZED HDW



TE Part #1410968-4
MULTIGIG RT2 7RW RTM DC DF CT



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



TE Part #1551920-2
zQSFP+ connector assembly



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



TE Part #2102232-1
Fortis Zd 2Pr 20Col R/A Full Mod Assy



TE Part #2227669-2
zQSFP+ STACKED RECEPTACLE ASSEMBLY 2X1



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

Documents

Product Drawings

RAPLUGASSY,CENTERRP0,RTM,VPX,MGRT3

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2302794-1_2.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2302794-1_2.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2302794-1_2.3d_stp.zip

English

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

Product Specifications

Application Specification

English