



Connectors > PCB Connectors > Backplane Connectors > High Speed Backplane 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: **Keyed**

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

Signal Characteristics

Differential Impedance	100 Ω
Number of Differential Pairs per Column	2

Contact Features

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Contact Current Rating (Max)	1 A
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Termination Features

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
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Mechanical Attachment

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

Housing Features

Number of Shrouded Sides	0
Housing Material	LCP - GF (Liquid Crystal Polymer)
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 – 125 °C[-67 – 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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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	Not Compliant
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 2023 (235) Candidate List Declared Against: JAN 2023 (233) SVHC > Threshold: Pb (13% in Component Part) 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 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

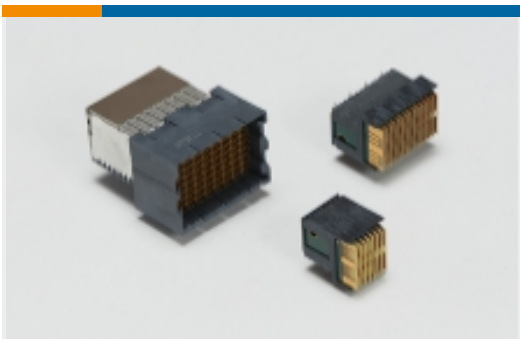


TE Part # 2000713-1
RA Keyed Guide Mod, Vita 46, Machined




TE Part # 2302785-1
RA PLUG ASSY,7ROW,CENTER,VPX, MG RT3

Also in the Series | MULTIGIG RT 3




High Speed Backplane Connectors(31)

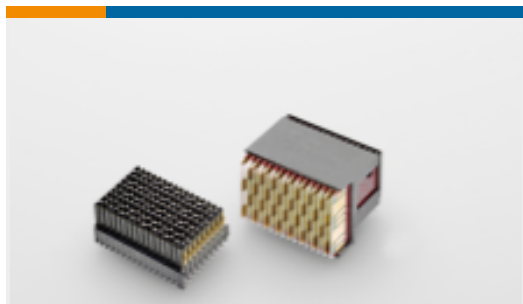
Customers Also Bought



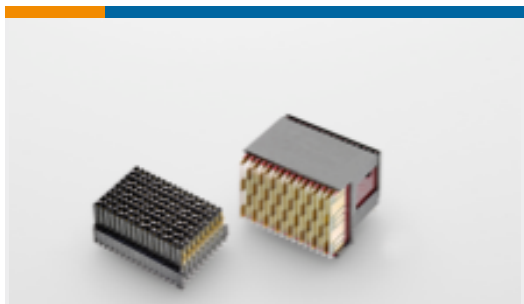
TE Part #2102735-1
BP, Half Left End, MULTIGIG RT 2R



TE Part #1410956-1
MULTIGIG RT GUIDEPIN KIT ASSEMBLY



TE Part #2302789-2
VERTRECCASSY,CENTER,MULTIGIG RT3



TE Part #2302790-2
VERTRECCASSY,RIGHTEND,MULTIGIG RT3





TE Part #2302791-1
VERTRECASSY,CENTER,RTM,
MULTIGIG RT3



TE Part #2302792-1
VERTRECASSY,CENTER,SELLOAD,
RTM,MGRT3



TE Part #2313238-1
VERTRECASSY,J0/J1A,MULTIGIG RT3



TE Part #2332817-1
Vert RCPT Left End Half Multigig RT 3



TE Part #2332817-2
Vert RCPT Left End Half Multigig RT 3

Documents

Product Drawings

VERTRECASSY,RIGHTEND,MULTIGIG RT3

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2302790-1_3.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2302790-1_3.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2302790-1_3.3d_stp.zip

English

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

Datasheets & Catalog Pages

SOSA Aligned Interconnect Solutions

English

MULTIGIG RT 3 and RT 2-S Connectors

English

Product Specifications

Product Specification

English

