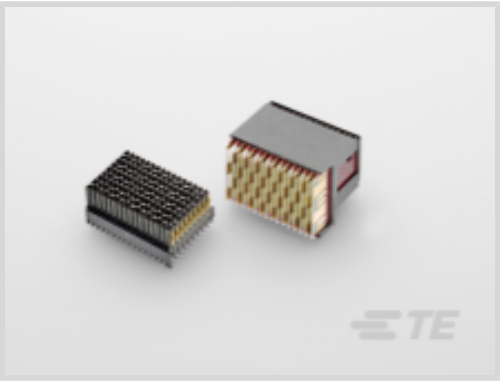




Connectors > PCB Connectors > Backplane Connectors > High Speed Backplane Connectors



Number of Positions: 144
Row-to-Row Spacing: 1.8 mm [.071 in]
Mating Alignment: With
Mating Alignment Type: Keyed
Number of Rows: 9

Features

Termination Features

Termination Method to PCB	Through Hole - Press-Fit
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Signal Characteristics

Number of Differential Pairs per Column	2
Differential Impedance	100 Ω

Housing Features

Housing Material	LCP - GF (Liquid Crystal Polymer)
Number of Shrouded Sides	0
Centerline (Pitch)	1.8 mm[.071 in]

Product Type Features

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

Configuration Features

Backplane Architecture	Traditional Backplane
Card Slot Centerline	20.3 mm[.8 in]



Number of Positions	144
Number of Rows	9
Number of Columns	16
PCB Mount Orientation	Vertical
Guide Location	Unguided

Contact Features

Contact Current Rating (Max)	1 A
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Mechanical Attachment

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

Dimensions

Row-to-Row Spacing	1.8 mm[.071 in]
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Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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Other

EU RoHS Compliance	Not Compliant
EU ELV Compliance	Compliant with Exemptions

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

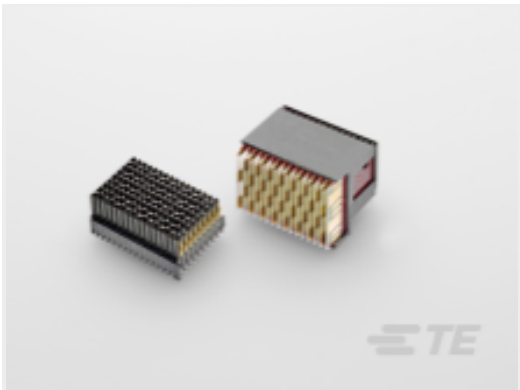
Solder Process Capability

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

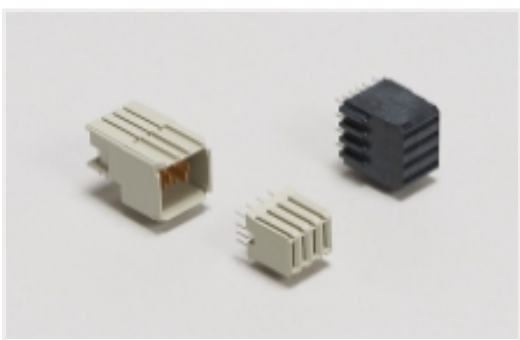


TE Part # 2000676-1
Keyed Guide Pin, Machined, Vita 46



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

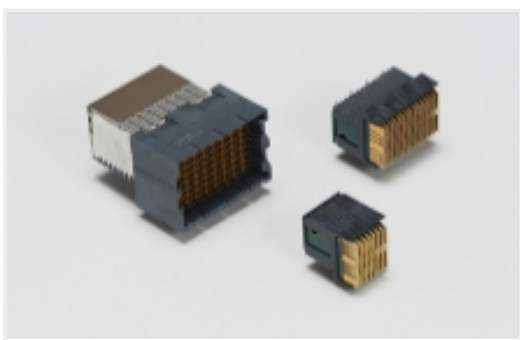
Also in the Series | MULTIGIG RT 3



Backplane Power Connectors(10)



Coax Connectors(6)



High Speed Backplane Connectors(29)



PCB RF Modules(1)

Customers Also Bought



TE Part #1-2176117-0
TLR 1206 1.0W R009 1% 50PPM 2K RL

TE Part #2332816-1
RA Plug Assy Left End Multigig RT 3

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

TE Part #3-2176312-0
RP 1E 0.1W 24K9 0.1% 25PPM 1K RL

TE Part #2102772-1
DC, 7Row, Half Left End, MULTIGIG RT 2R

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

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

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

TE Part #2302795-1
RAPLUGASSY,CENTERDP,RTM,VPX, MG RT3

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

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