

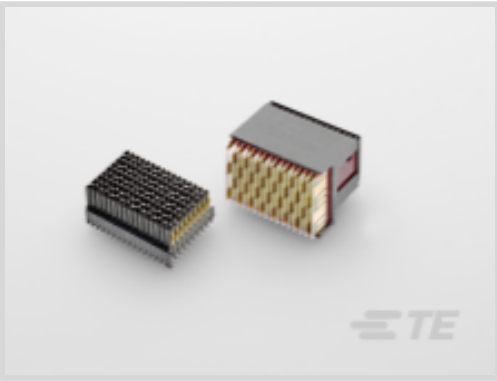
TE Internal #: 2302785-1

High Speed Backplane Connectors, 112 Position, Mating Alignment, Keyed Mating Alignment Type, 7 Row, 16 Column, PCB Mount Header, MULTIGIG RT 3

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



Connector System: **Board-to-Board**

Number of Positions: **112**

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

Mating Alignment: **With**

Mating Alignment Type: **Keyed**

Features

Product Type Features

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

Configuration Features

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



Signal Characteristics

Differential Impedance	100 Ω
Number of Differential Pairs per Column	2

Contact Features

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

Dimensions

Row-to-Row Spacing	1.35 mm[.053 in]
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Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 221 °F]
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Operation/Application

Circuit Application	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: JUNE 2022 (224) SVHC > Threshold: Pb (7% in contact plating) <small>Article Safe Usage Statements:</small>




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




TE Part # 2302789-1
VERTRECCASSY,CENTER,MULTIGIG RT3



TE Part # 2302790-1
VERTRECCASSY,RIGHTEND,MULTIGIG RT3

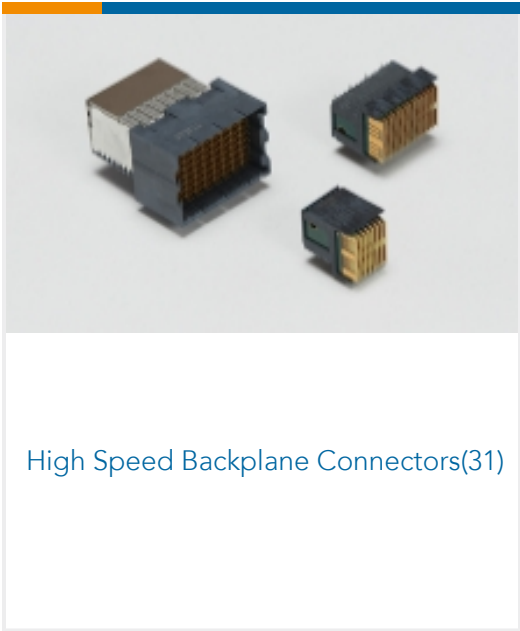


TE Part # 2000713-1
RA Keyed Guide Mod, Vita 46, Machined



TE Part # 2364030-1
VERTRECCASSY,RIGHTEND,MULTIGIG RT3(Sn/Pb)

Also in the Series | MULTIGIG RT 3



Customers Also Bought

TE Part #1410971-3
MULTIGIG RT T2 7RW H-LFT RTM

TE Part #2102771-1
DC, 7Row, Center, MULTIGIG RT 2R

TE Part #1410975-3
MULTIGIG RT2 7RW DC RTM CT

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

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

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

TE Part #2302796-1
RAPLUGASSY,LEFTEND,HALF,RTM, VPX,MGRT3

TE Part #2313237-1
RAPLUGASSY,MGRT3,POWER,DP,SE, CENTER

TE Part #8-1617542-2
JMGAP-12P=M39016/17-028P

Documents

Product Drawings
RA PLUG ASSY,7ROW,CENTER,VPX,MG RT3
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_2302785-1_3.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_2302785-1_3.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2302785-1_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