

MULTIGIG RT 3 TE Internal #: 2302796-1 High Speed Backplane Connectors, 56 Position, Mating Alignment, Keyed Mating Alignment Type, 7 Row, 8 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: 56 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	20
Card Slot Centerline	20.3 mm[.8 in]
Number of Power Positions	0
Number of Pairs	16
Number of Signal Positions	4
Backplane Architecture	Traditional Backplane
Number of Positions	56
Number of Rows	7
Number of Columns	8
PCB Mount Orientation	Right Angle
Guide Location	Unguided

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2302796-1

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Signal Characteristics

Contact Current Rating (Max) 1 A Termination Features Through Hole - Press-Fit Termination Method to Printed Circuit Board Through Hole - Press-Fit Mating Alignment With Mating Alignment Type With Connector Mounting Type Board Mount Housing Features 2 Number of Shrouded Sides 2 Centerline (Pitch) 1.8 mm[.075 in] Row-to-Row Spacing 1.35 mm[.053 in] Vage Conditions 55 – 125 °C[-67 – 221 °F] Operating Temperature Range -55 – 125 °C[-67 – 221 °F] Operating Application Signal		
Contact Features 1A Fermination Features Inrough Hole - Press-Fit Termination Method to Printed Circuit Board Mrough Hole - Press-Fit Mating Alignment With Mating Alignment Keyed Connector Mounting Type Board Mount Housing Features Inrough Hole - Press-Fit Number of Shrouded Sides 2 Rousing Metrial CP - GF (Equid Crystal Polymer) Centerline (Pitch) 1.38 mm(.075 in) Dimensions Instruction (Pitch) Row to Row Spacing (Sp-125 "Cl-67 - 221 "F] Operating Temperature Range .55 - 125 "Cl-67 - 221 "F] Operating Temperature Range Signal For compliance Signal For compliance to Addition (Pitch) Not Compliant For compliance to Addition (Pitch) Not Compliant EU LV Directive 2000/SJ/EC Not Compliant For compliant of Controls (PC) No. 1907/2006 Circuit Addition EC) No. 1907/2006 Circuit Actine Cleix MITT Order No 32, 2016 Circuit Addition Ech Addition Ech No. 2016/2016 FU REACH Regulation (EC) No. 1907/2006 Circuit Addition Ech Controlate List: JUNE 2023 Classi Circuit Actin Rectine Clei	Differential Impedance	100 Ω
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Mating Alignment TypeKeyedConnector Mounting TypeBoard MountHousing FeaturesINumber of Shrouded Sides2I lousing MaterialLCP - GF (Liquid Crystal Polymer)Centerline (Pitch)1.8 mm[.075 in]DimensionsIRow-to-Row Spacing1.35 mm[.053 in]Usage Conditions-55 - 125 °C[-67 - 221 °F]Operating Temperature Range-55 - 125 °C[-67 - 221 °F]Operating Temperature RangeSignalCrouit ApplicationSignalFor compliance documentation, Vait the product page on TE com>FU RoHS Directive 2000/53/ECNot CompliantChina RoHS 2 Directive MIT Order No 32, 2016Restricted Materials Above ThresholdEU REACH Regulation (EC) No. 1907/2006Current ECHA Candidate List JUNE 2023 (238) Candidate List Declared Against: JUL 2021 (219) Des not contain REACH Stylic	Mechanical Attachment	
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Dimensions Item Product Page on TEcomPoint of Compliant EU Roh SD Directive 2011/65/EU EU Roh	Housing Material	LCP - GF (Liquid Crystal Polymer)
Row-to-Row Spacing1.35 mm[.053 in]Usage Conditions-55 - 125 °C[-67 - 221 °F]Operating Temperature Range-55 - 125 °C[-67 - 221 °F]Operation/ApplicationSignalCircuit ApplicationSignalProduct Compliance For compliance documentation, visit the product page on TEcom>Not CompliantEU RoHS Directive 2011/65/EUNot CompliantEU RoHS Directive 2000/53/ECNot CompliantChina RoHS 2 Directive MIIT Order No 32, 2016Restricted Materials Above ThresholdEU REACH Regulation (EC) No. 1907/2006Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUL2023 (219) Dise not contain REACH SvHC	Centerline (Pitch)	1.8 mm[.075 in]
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(235) Candidate List Declared Against: JUL 2021 (219) Does not contain REACH SVHC	China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
Halogen Content BFR/CFR/PVC Free, but Br/Cl >900 ppm in	EU REACH Regulation (EC) No. 1907/2006	(235) Candidate List Declared Against: JUL 2021 (219)
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Circuit Application	Signal
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Halogen Content	

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other sources.

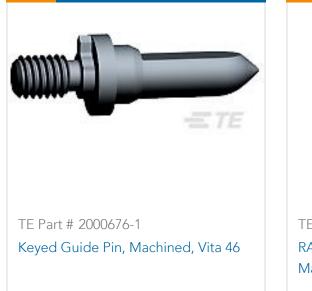
Solder Process Capability

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

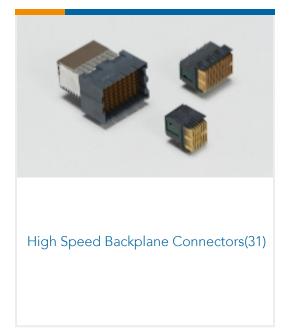
Compatible Parts





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

Also in the Series | MULTIGIG RT 3



Customers Also Bought

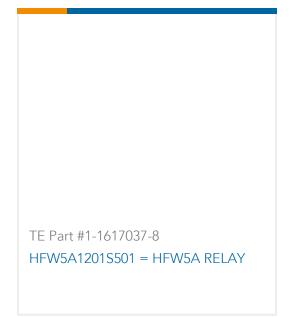


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Documents

Product Drawings

RAPLUGASSY, LEFTEND, HALF, RTM, VPX, MGRT3

English

CAD Files

3D PDF

3D

Customer View Model ENG_CVM_CVM_2302796-1_2.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2302796-1_2.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2302796-1_2.3d_stp.zip

English

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

Datasheets & Catalog Pages MULTIGIG RT 3 and RT 2-S Connectors

English

Product Specifications Application Specification

English