2302785-1 ✔ ACTIVE

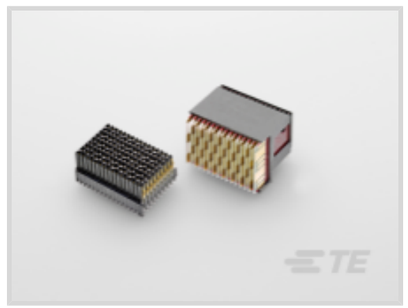
MULTIGIG RT | MULTIGIG RT 3

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

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

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

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

Termination Features

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

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]

Usage Conditions

Operating Temperature Range	-55 - 125 °C[-67 - 221 °F]

Operation/Application

Circuit Application	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	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Pb (7% in contact plating) 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	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

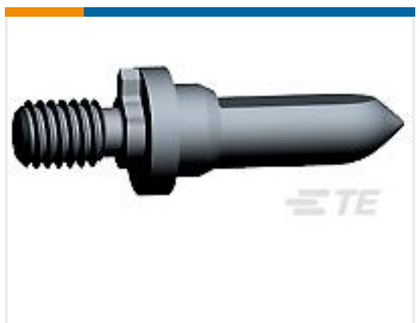
Compatible Parts



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



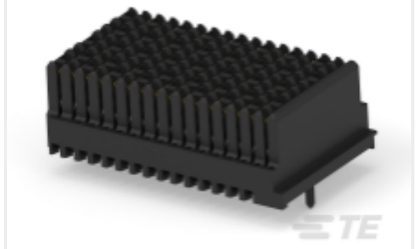
TE Part # 2302790-1
VERTRECASSY,RIGHTEND,MULTIGIG RT3



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

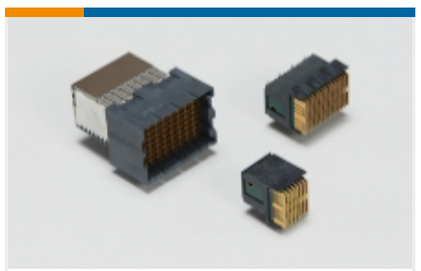


TE Part # 2000713-1
RA Keyed Guide Mod, Vita 46, Machined



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

Also in the Series | MULTIGIG RT 3



High Speed Backplane Connectors(31)

Customers Also Bought



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



TE Part # 3573650001
TMS-SCE-3/16-2.0-S1-9



TE Part # 439533-000
55PC0121-20-0/9



TE Part # 1410946-3
MULTI-GIG SOC. CAP SCREW, CUSTOMIZED HDW



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



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



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

TE Part # 2357976-2
ASSEMBLY, RF MODULE, DAUGHTERCARD

TE Part # 2381854-8
CBOT Recpt Assy, w EONs, HH, 8P

TE Part # 2401120-2
Dummy Chiclet,Multigig RT FO,Half Height

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 Conditionsof use.

Datasheets & Catalog Pages

SOSA Aligned Interconnect Solutions

English

MULTIGIG RT 3 and RT 2-S Connectors

English

Product Specifications

Product Specification

English