

2302319-1 ✓ ACTIVE

MULTIGIG RT 2-S

TE Internal #: 2302319-1

112 Position, Mating Alignment, Keyed Mating Alignment Type, 7 Row, 16 Column, PCB Mount Header, MULTIGIG RT 2-S, High Speed Backplane Connectors

[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

Compatible with PCB Type	Daughtercard
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	31
Card Slot Centerline	20.3 mm[.8 in]
Number of Power Positions	4
Number of Pairs	20
Number of Signal Positions	20
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 PCB	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	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	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 2022 (224) SVHC > Threshold: Pb (13% in Component) <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

Not Low Halogen - contains Br or Cl > 900 ppm.

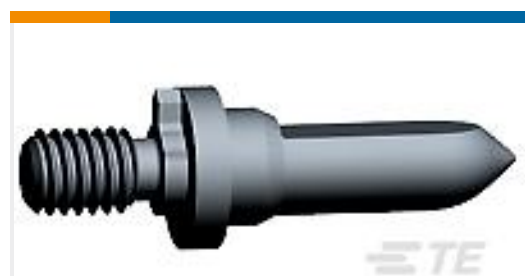
Solder Process Capability

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

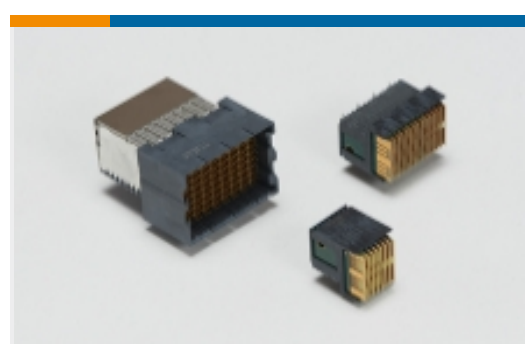


TE Part # 2000676-1
Keyed Guide Pin, Machined, Vita 46



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

Also in the Series | MULTIGIG RT 2-S



High Speed Backplane Connectors(10)

Customers Also Bought



TE Part #2102353-1
CeeLok FAS-T, Plug Kit, Ni



TE Part #1-1469491-3
MULTIGIG RT GUIDE PIN, 9MM 4.20



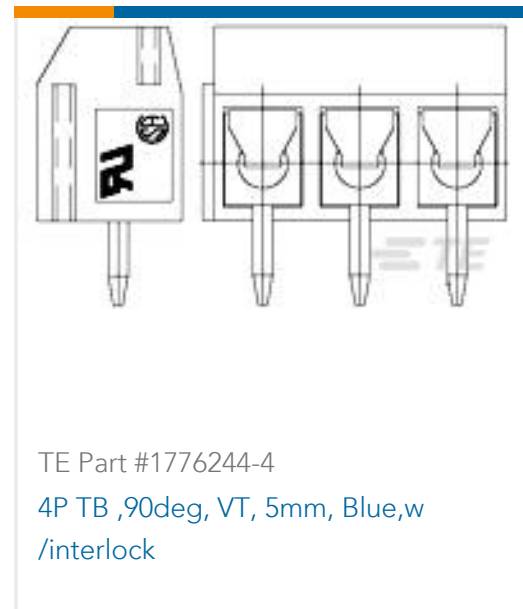
TE Part #1-1469492-9
MULTIGIG RT 9MM GUIDE/ESD UNKE



TE Part #1410186-1
MULTIGIG RT T2 .8" BP H-LFT



TE Part #1410140-1
MULTIGIG RT T2 .8" BP FULL CNT



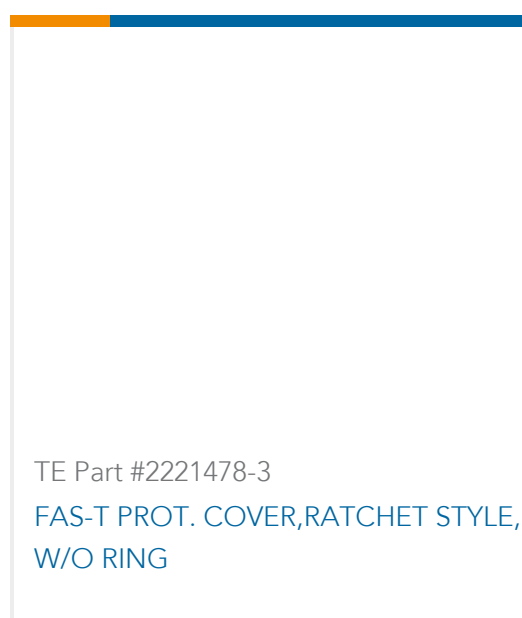
TE Part #1776244-4
4P TB, 90deg, VT, 5mm, Blue, w /interlock



TE Part #6450863-5
MBXLE VERT RCPT 7ACP



TE Part #7-2176087-4
RP 1J 0.166W 402R 0.1% 25PPM 1K RL



TE Part #2221478-3
FAS-T PROT. COVER, RATCHET STYLE,
W/O RING

Documents

Product Drawings

[RA ASSY, Cent RP0, MULTIGIG RT 2-S](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2302319-1_2.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2302319-1_2.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2302319-1_2.3d_stp.zip](#)

English

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Product Specifications



Application Specification

English