

MULTIGIG RT T2 7RW H-LFT,ET2 ✓ ACTIVE



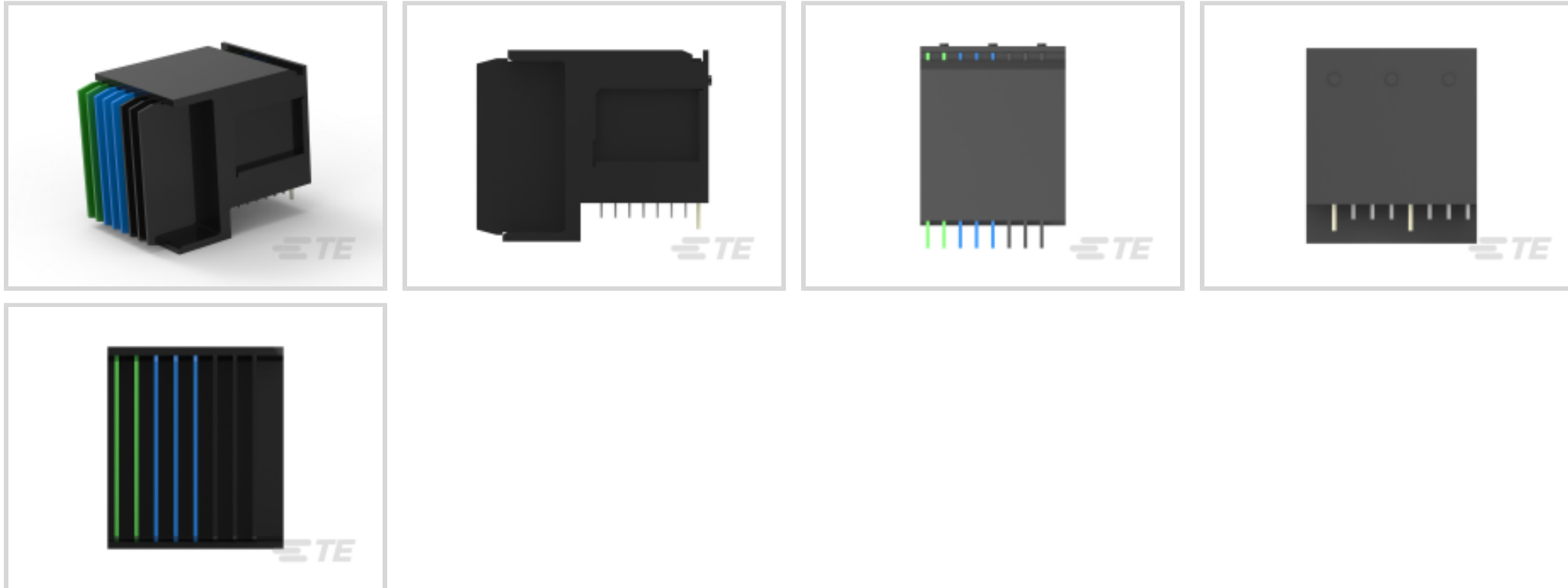
MULTIGIG RT | MULTIGIG RT 2

TE Part # 1410189-4

TE Internal #: 1410189-4

[View on TE.com >](#)

Connectors > PCB Connectors > Backplane Connectors > High Speed 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: **Polarization**

Features

Product Type Features

Post Type	Board-to-Board
Signal Arrangement	Differential Signaling & Single Ended
Make First / Break Last	Yes
Connector Type	Daughtercard (Plug)
Product Type	Daughtercard Connector
Module Type	Left
Connector System	Board-to-Board
Row-to-Row Spacing	1.35 mm[.053 in]
Connector Style	Plug
Shrouded	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Pairs per Column	2
Number of Ground Positions	11

Card Slot Centerline	20.3 mm[.8 in]
Number of Power Positions	6
Number of Signal Positions	4
Number of Positions	56
Number of Rows	7
Number of Columns	8
Board-to-Board Configuration	Right Angle
PCB Mount Orientation	Right Angle
Guide Location	Left

Electrical Characteristics

Operating Voltage	50 VAC
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Signal Characteristics

Differential Impedance	100 Ω
Number of Differential Pairs per Column	2
Data Rate	≤ 12 Gb/s

Contact Features

Contact Layout	Matrix
PCB Contact Termination Area Plating Material Thickness	.5 μm [20 μin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Length	1.41 mm[.055 in]
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass, Phosphor Bronze
Contact Current Rating (Max)	1 A

Termination Features

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

PCB Mount Retention	With
PCB Mount Retention Type	Action/Compliant Tail
Mating Alignment	With
Mating Alignment Type	Polarization
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	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

Durability Rating	500 Cycles
Circuit Application	Power & Signal

Product Compliance

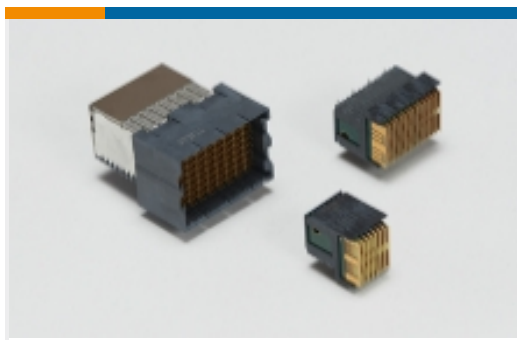
[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2019 (197) Candidate List Declared Against: JUL 2017 (174)
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Also in the Series | **MULTIGIG RT 2**



High Speed Backplane
Connectors(41)

Customers Also Bought



TE Part #2102061-2
Mezalok, Socket, 114 p, 10
mm, 50 Au, LF



TE Part #2102060-2
Mezalok, Pin, 114 p, 50 Au,
LF



TE Part #1-6450869-4
V/R
2ACP+1LP+32S+3HDP+1LP+1P/ESD 270 DEG



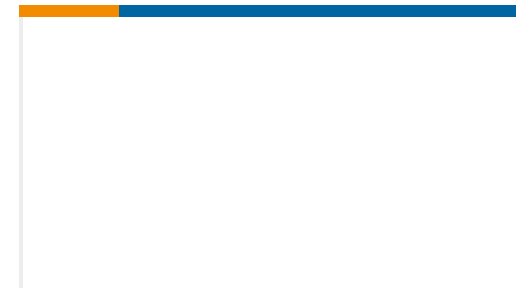
TE Part #1-1469492-7
MULTIGIG RT 9MM GUIDE



TE Part #1410956-1
MULTIGIG RT GUIDE PIN
KIT ASSEMBLY



TE Part #1-1469492-8
MULTIGIG RT 9MM GUIDE
/ESD 315 DEG



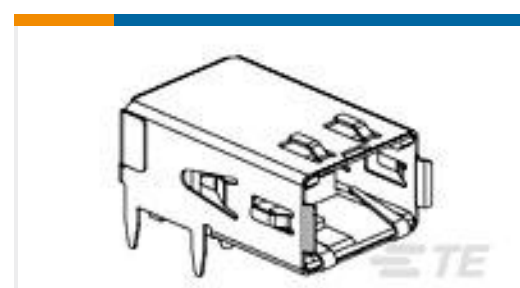
TE Part #1410975-4
MULTIGIG RT T2 7RW DC
RTM CT



TE Part #1410142-2
MULTIGIG RT T2 .8" BP
FULL RGH



TE Part #1410187-4
MULTIGIG RT T2 7RW DC
DF CT



TE Part #1761072-2
RECPT,HSSDC2,FIBRE,ON
TAPE

Documents

Product Drawings

MULTIGIG RT T2 7RW H-LFT,ET2

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1410189-4_D.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_1410189-4_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1410189-4_D.3d_stp.zip](#)

English

Datasheets & Catalog Pages

[Board-Level Interconnects for Rugged Embedded Computing Brochure](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English