



MULTIGIG RT | MULTIGIG RT 2

TE Part # 1410326-3

TE Internal #: 1410326-3

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Connectors > PCB Connectors > Backplane Connectors > High Speed 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: **Guide Slot**

Features

Product Type Features

Make First / Break Last	Yes
Board	Fixed Board (Board Mount (Backplane Guide Hardware))
Product Type	Daughtercard Connector
Post Type	Through Hole - Press-Fit
Connector Type	Daughtercard (Plug)
Module Type	Center
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

Number of Ground Positions	31
Card Slot Centerline	20.3 mm[.8 in]
Number of Pairs	20
Number of Positions	112
Number of Rows	7

Number of Columns	16
Board-to-Board Configuration	Right Angle
PCB Mount Orientation	Right Angle
Guide Location	Right

Electrical Characteristics

Operating Voltage	50 VDC
Impedance	100 Ω

Signal Characteristics

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

Contact Features

Contact Type	Pin
Underplate Material Thickness	1.27 μm [50 μin]
Contact Layout	Inline
PCB Contact Termination Area Plating Material Thickness	1.27 μm [50 μin]
Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Thickness	1.27 μm [50 μin]
PCB Contact Termination Area Plating Material Finish	Bright
Contact Mating Area Plating Material	Gold
Contact Length	2.9 mm[.8 in]
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Copper (Cu)
Contact Current Rating (Max)	1 A

Termination Features

Termination Type	Not Specified
Termination Post Length	1.41 mm[.055 in]
Interface Type	With
Termination Method to Printed Circuit Board	Through Hole - Press-Fit

Mechanical Attachment

PCB Mount Alignment Type	Action/Compliant Tail
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Mating Retention	With
PCB Mount Alignment	With
Guide Hardware	With
PCB Mount Retention	With
PCB Mount Retention Type	Action/Compliant Tail
Mating Alignment	With
Mating Alignment Type	Guide Slot
Connector Mounting Type	Board Mount

Housing Features

Housing Material	LCP (Liquid Crystal Polymer)
Housing Color	Black
Centerline (Pitch)	1.8 mm[.07 in]

Dimensions

Height	18.4 mm[.724 in]
Tail Length	1.4 mm[.055 in]
Length	28.68 mm[1.129 in]
PCB Thickness (Recommended)	1.6 – 4 mm[.062 – .157 in]
PCB Hole Diameter	.46 mm[.018 in]

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

Packaging Features

Packaging Method	Tube
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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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2019 (197)



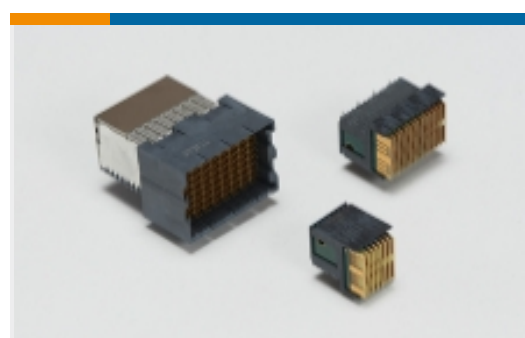
Candidate List Declared Against: JUL 2017
(174)

Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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**

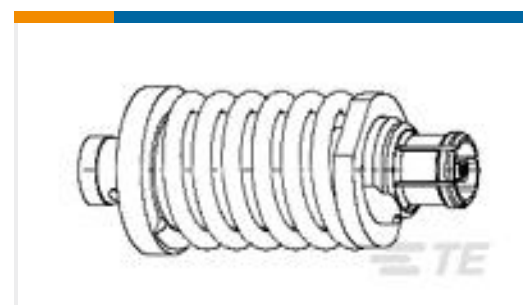


High Speed Backplane Connectors(41)

Customers Also Bought



TE Part #2000973-1
Connector Kit, Rcpt, Backplane, MT,V66.1



TE Part #1996771-1
SMPM STR CBL JACK



TE Part #1410964-1
MULTIGIG RT T2 .8" BP FULL CNT



TE Part #1996777-2
8 POS VITA 67 RF MODULE, BACKPLANE, OSMM



TE Part #1996883-4
4 Pos RF Module,
Daughter Card,VITA 67.1



TE Part #1996884-1
4 Pos RF Module,
Backplane,SMPM

TE Part #2226880-1
CONNECTOR KIT, RCPT,
BACKPLANE, MT,V66.4



TE Part #2226881-1
CONNECTOR KIT, PLUG-
IN MODULE, MT,V66.4



TE Part #1410970-3
MULTIGIG RT T2 7RW
RTM MIXED DC



TE Part #2102060-1
Mezalok, Pin, 114 p, 50 Au,
TL

Documents

Product Drawings

MULTIGIG RT T2 7RW DC DF CT

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1410326-3_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1410326-3_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1410326-3_B.3d_stp.zip](#)

English

Datasheets & Catalog Pages

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

English

Product Specifications

[Application Specification](#)

English