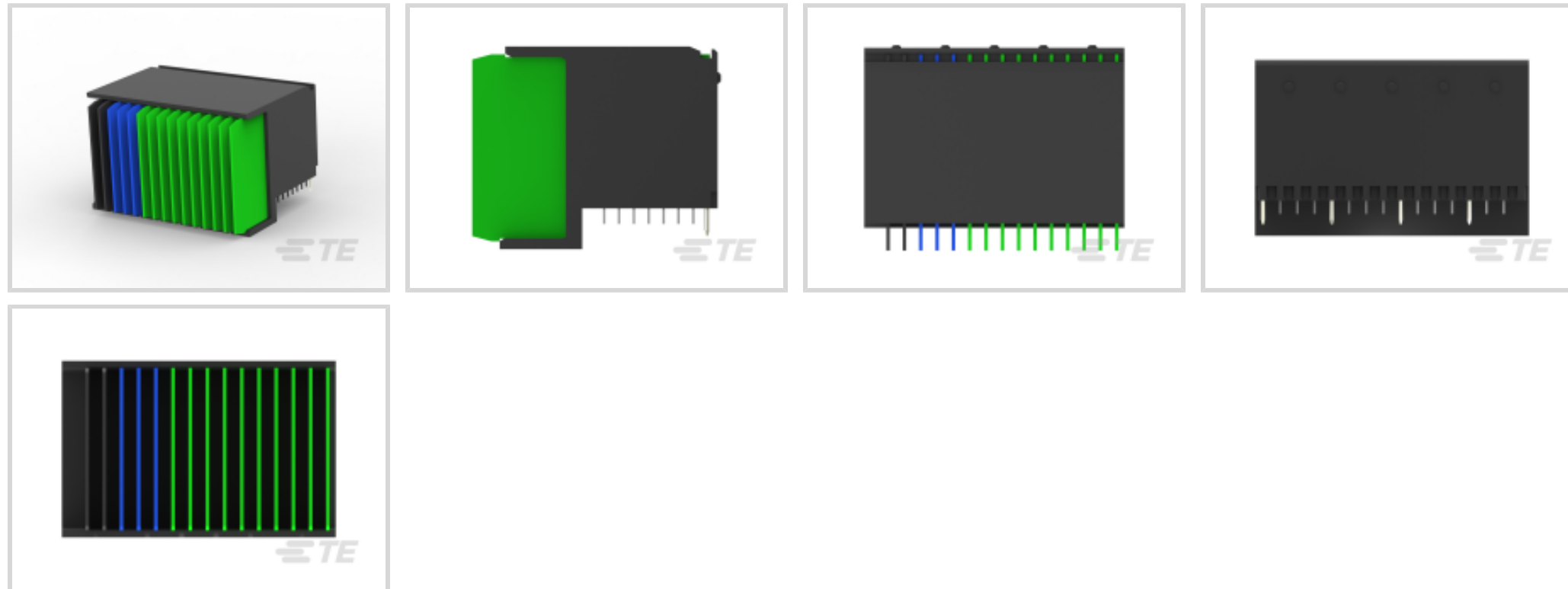# 1410968-3 ✔ ACTIVE

MULTIGIG RT | MULTIGIG RT 2

TE Internal #: 1410968-3

High Speed Backplane Connectors, 144 Position, Mating
Alignment, Polarization Mating Alignment Type, 7 Row, 16 Column,
PCB Mount Header, MULTIGIG RT 2

View on TE.com >

Connectors > PCB Connectors > Backplane Connectors > High Speed Backplane Connectors

Connector System: **Board-to-Board**

Number of Positions: **144**

Row-to-Row Spacing: **1.35 mm [.053 in]**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Features

Product Type Features

Applied to Printed Circuit Board Type	Daughtercard
Connector System	Board-to-Board
PCB Connector Assembly Type	PCB Mount Header
Shroud Style	Fully Shrouded
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Card Slot Centerline	20.3 mm[.8 in]
Backplane Architecture	Traditional Backplane
Number of Positions	144
Number of Rows	7
Number of Columns	16
PCB Mount Orientation	Right Angle
Guide Location	Center

Contact Features

1410968-3

High Speed Backplane Connectors, 144 Position, Mating Alignment, Polarization
Mating Alignment Type, 7 Row, 16 Column, PCB Mount Header, MULTIGIG RT 2

Contact Current Rating (Max)	1 A

Mechanical Attachment

Mating Alignment	With
Mating Alignment Type	Polarization
Connector Mounting Type	Board Mount

Housing Features

Number of Shrouded Sides	2
Centerline (Pitch)	1.8 mm[.071 in]

Dimensions

Row-to-Row Spacing	1.35 mm[.053 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Circuit Application	Power & 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: JUNE 2023 (235)
	Candidate List Declared Against: JAN 2022 (223)
	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

1410968-3

High Speed Backplane Connectors, 144 Position, Mating Alignment, Polarization
Mating Alignment Type, 7 Row, 16 Column, PCB Mount Header, MULTIGIG RT 2

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-
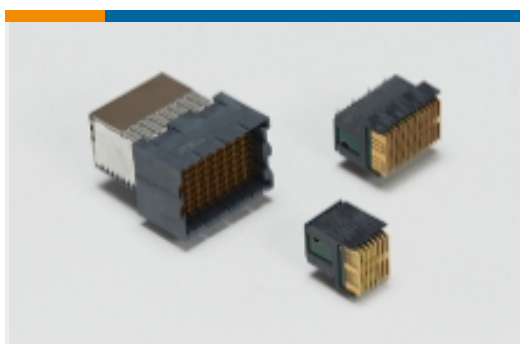reach

Compatible Parts

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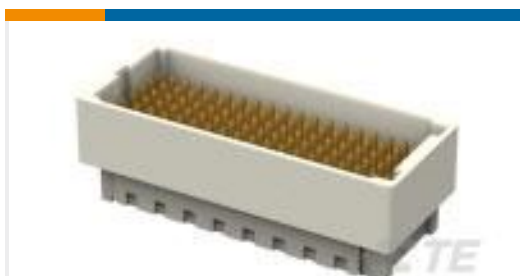Keyed Guide Pin, Machined, Vita 46

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

Also in the Series | MULTIGIG RT 2

High Speed Backplane Connectors(42)

Customers Also Bought

TE Part #2102060-3
Mezalok, Pin, 114 p, 30 Au, TL

TE Part #1410188-3
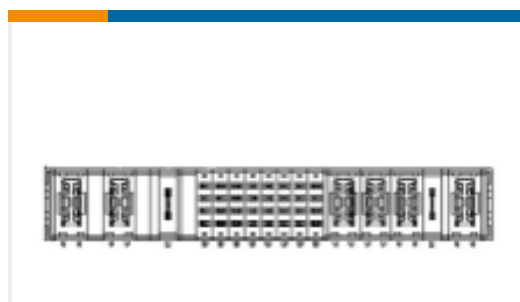MULTIGIG RT T2 7RW DC DF F-RGT
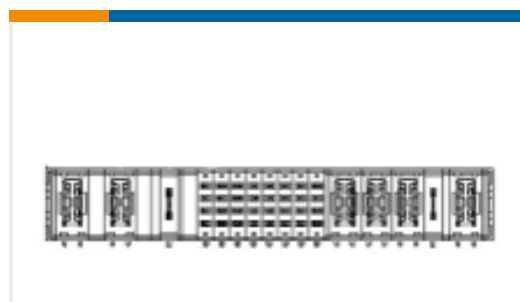
TE Part #1871058-4
PCI EXPRESS CONN. EON TYPE, 16

TE Part #2000676-7
Keyed Guide Pin, Machined

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

TE Part #2309390-2
VERT RECPT, MULTI-BEAM XLE, VITA
62

TE Part #2314581-1
VERT RECPT, MULTI-BEAM XLE, VITA
62

TE Part #1410137-2
MULTIGIG RT T2 .8" DC DF F-CTR

High Speed Backplane Connectors, 144 Position, Mating Alignment, Polarization Mating Alignment Type, 7 Row, 16 Column, PCB Mount Header, MULTIGIG RT 2

TE Part #2226996-1
DC, 7ROW, P0, TRUE HALF,
MULTIGIG RT 2-R

Documents

Product Drawings

MULTIGIG RT2 7RW RTM DC DF CT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1410968-3_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1410968-3_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1410968-3_A.3d_stp.zip

English

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

Datasheets & Catalog Pages

High Speed Backplane Connectors catalog - MULTIGIG RT Connector

English

Board-Level Interconnects for Rugged Embedded Computing Brochure

English

Product Specifications

Product Specification

English

Product Environmental Compliance

TE Material Declaration

English

Instruction Sheets

Instruction Sheet (U.S.)

English