



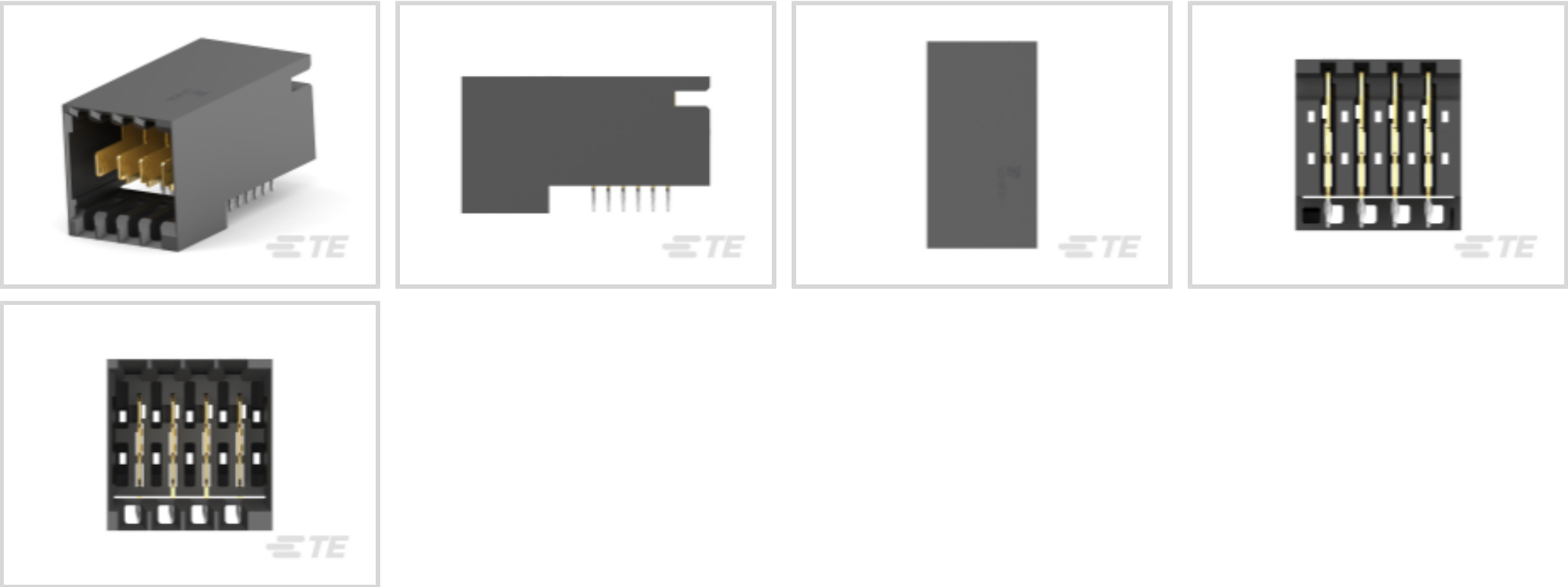
MULTIGIG RT

TE Internal #: 1-1410271-1

4 Position Backplane Power Connector, PCB Mount Header, Board-to-Board, Right Angle, Traditional Backplane, 3.6 mm [.141 in] Centerline

[View on TE.com >](#)

Connectors > Power Connectors > Backplane Power Connectors



Number of Positions: 4

PCB Connector Assembly Type: **PCB Mount Header**

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

PCB Mount Orientation: **Right Angle**

Backplane Architecture: **Traditional Backplane**

Features

Industry Standards

UL Flammability Rating	UL 94V-0
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Dimensions

PCB Thickness (Recommended)	1.4 mm
Stack Height	14.7 mm[0.58 in]
Product Width	17.8 mm
Product Length	28.73 mm
Connector Height	18.4 mm
PCB Hole Diameter	.61 mm

Packaging Features

Packaging Method	Tube
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Mechanical Attachment

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



Mating Alignment	With
Connector Mounting Type	Board Mount

Termination Features

Termination Post & Tail Length	3.5 mm
Termination Method to PCB	Through Hole - Press-Fit

Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	1.27 μm
Contact Length	13.75 mm
PCB Contact Termination Area Plating Material Thickness	1.27 μm[50 μin]
Contact Mating Area Plating Material	Gold
Contact Base Material	Phosphor Bronze
Cavity 1 Blade Length	13.75 mm[.541 in]
Cavity 2 Blade Length	13.75 mm[.541 in]
PCB Contact Termination Area Plating Material	Tin
Cavity 3 Blade Length	13.75 mm[.541 in]
Cavity 4 Blade Length	13.75 mm[.541 in]
Contact Type	Tab
Contact Current Rating (Max)	20 A

Housing Features

Housing Material	LCP (Liquid Crystal Polymer)
Housing Color	Black
Centerline (Pitch)	3.6 mm[.141 in]

Configuration Features

Number of Columns	4
Number of Power Positions	4
Card Slot Centerline	20.3 mm[.8 in]
Number of Rows	1
Number of Positions	4
PCB Mount Orientation	Right Angle
Backplane Architecture	Traditional Backplane
Stackable	Yes



Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Electrical Characteristics

Operating Voltage	250 VDC
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Usage Conditions

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

Circuit Application	Power
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
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 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 # 1410270-2

MULTIGIG RT PWR .8" VRT RCP 4P PBFR

Customers Also Bought

TE Part #CAT-C339-A76B

SMD Power Resistor: 3 Watt, 1% Tol

TE Part #1-1469492-2

MULTIGIG RT 9MM GUIDE/ESD 45 DEG

TE Part #1-6450869-4

V/R 2ACP+1LP+32S+3HDP+1LP+1P

TE Part #1-1469492-1

MULTIGIG RT 9MM GUIDE/ESD 0 DEG

TE Part #1-1469492-7

MULTIGIG RT 9MM GUIDE/ESD 270 DEG

TE Part #8-1614882-3

CPF 0603 4R7 0.1% 25PPM 1K RL

TE Part #1705549-1

Invertible Modular Jack 8P shielded

TE Part #1410187-3

MULTIGIG RT T2 7RW DC DF CT

TE Part #1410189-1

MULTIGIG RT T2 7RW H-LFT,ET2

Documents

Product Drawings

MULTIGIG RT PWR .8" R/A HDR 4P PBFR

English



CAD Files

Customer View Model

ENG_CVM_CVM_1-1410271-1_A.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1410271-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1410271-1_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

POWER_CONNECTORS_CATALOG_SEC01_BOARD_TO_BOARD

English

1-1773718-4_POWER_CONNECTORS_QRG_CN

1-1773718-5_POWER_CONNECTORS_QRG_TCN

1-1773718-6_POWER_CONNECTORS_QRG_JA

Japanese

2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1

English

Product Specifications

Application Specification

English

Agency Approvals

UL

English