



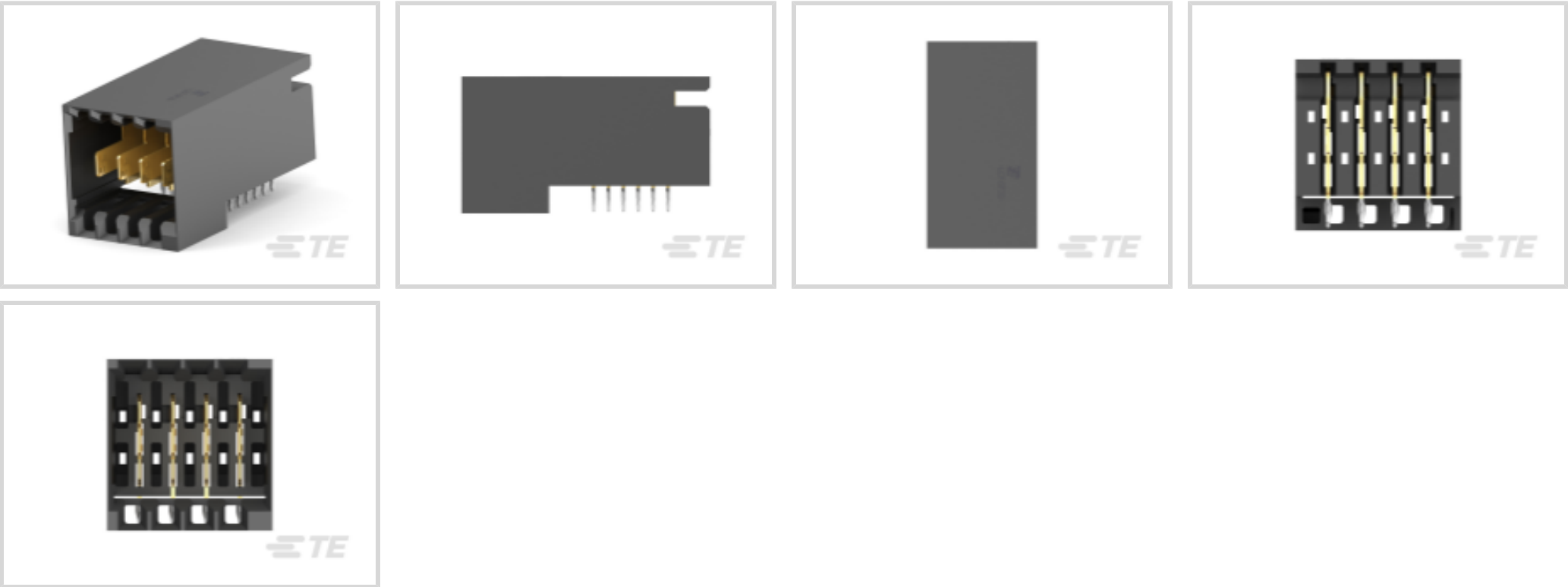
MULTIGIG RT

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 Type: PCB Mount Header

Connector System: Board-to-Board

PCB Mount Orientation: Right Angle

Backplane Architecture: Traditional Backplane

Features

Product Type Features

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

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

Electrical Characteristics

Operating Voltage	250 VDC
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Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	1.27 μ m
Contact Length	13.75 mm
PCB Contact Termination Area Plating Material Thickness	1.27 μ m[50 μ in]
Contact Mating Area Plating Material	Gold (Au)
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

Termination Features

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

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

Housing Features

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

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

Usage Conditions

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

Circuit Application	Power
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Industry Standards

UL Flammability Rating	UL 94V-0
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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	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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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

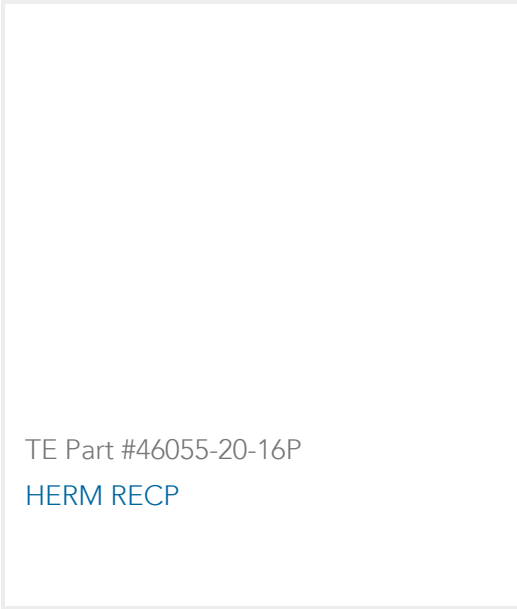
Product Compliance Disclaimer

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



Customers Also Bought



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