

MULTIGIG RT

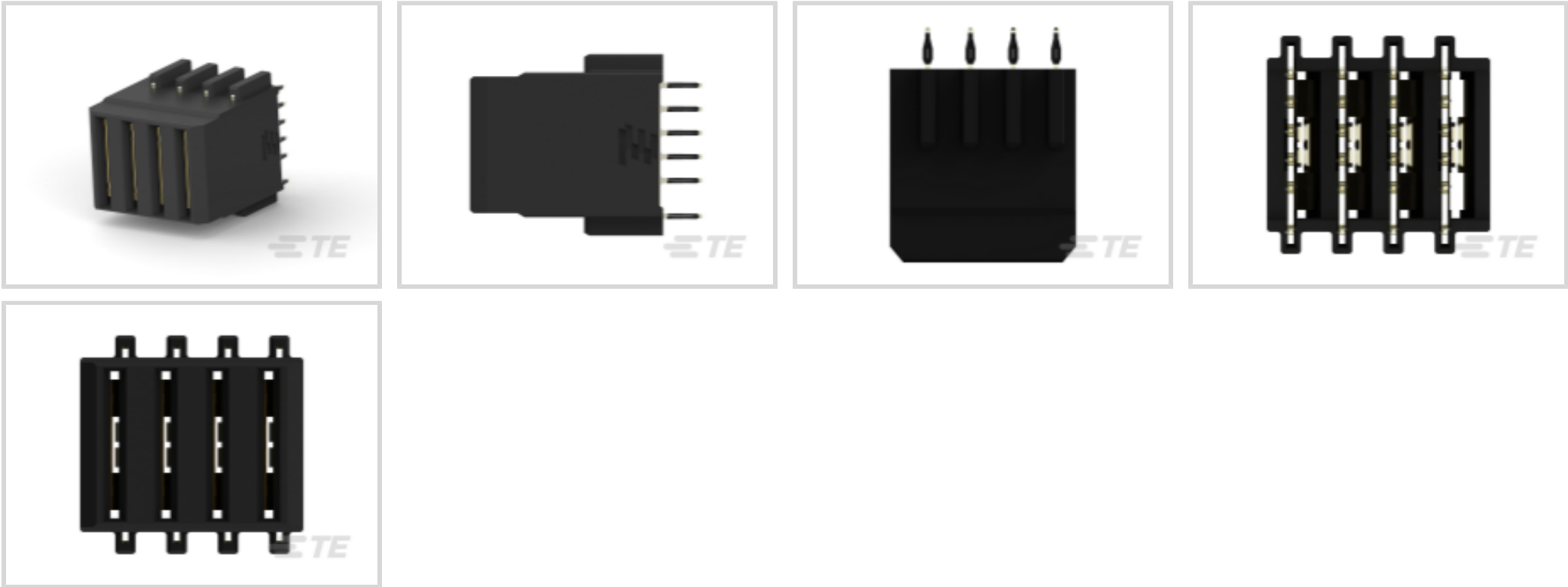
TE Internal #: 1410270-2

Backplane Power Connectors, PCB Mount Receptacle, Board-to-Board, 4 Position, Vertical, Orthogonal, 3.6 mm [.141 in] Centerline, Printed Circuit Board

[View on TE.com >](#)



Connectors > Power Connectors > Backplane Power Connectors



PCB Connector Assembly Type: **PCB Mount Receptacle**

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

Number of Positions: **4**

PCB Mount Orientation: **Vertical**

Backplane Architecture: **Orthogonal**

Features

Product Type Features

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

Configuration Features

Number of Power Positions	4
Number of Rows	1
Number of Columns	4
Number of Signal Positions	0
Number of Positions	4
PCB Mount Orientation	Vertical
Backplane Architecture	Orthogonal
Stackable	No

Electrical Characteristics



Operating Voltage	250 VDC
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Contact Features

PCB Contact Termination Area Plating Material Thickness	1.27 µm[50 µin]
Contact Type	Socket
Contact Mating Area Plating Material Thickness	1.27 µm
Contact Mating Area Plating Material	Gold
PCB Contact Termination Area Plating Material Finish	Matte
Contact Length	13.7 mm
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	20 A

Termination Features

Termination Post & Tail Length	3.5 mm
Termination Method to Printed Circuit Board	Through Hole - Press-Fit

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Height	15.25 mm
PCB Thickness (Recommended)	1.4 mm
PCB Hole Diameter	.61 mm
Product Width	15.25 mm
Product Length	29.59 mm

Usage Conditions

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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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 # 1-1410271-1
MULTIGIG RT PWR .8" R/A HDR 4P
PBFR



TE Part # 2-1410271-0
MULTIGIG RT PWR .8" R/A HDR 4P
PBFR



TE Part # 1-1410271-8
MULTIGIG RT PWR .8" R/A HDR 4P
PBFR



TE Part # 2-1410271-1
MULTI-GIG PWR .8" R/A HDR 4P
LEAD-FREE



TE Part # 1-1410271-2
MULTIGIG RT PWR .8" R/A HDR 4P
PBFR



TE Part # 1-1410271-3
MULTIGIG RT PWR .8" R/A HDR 4P
PBFR



TE Part # 1-1410271-4
MULTIGIG RT PWR .8" R/A HDR 4P
PBFR



TE Part # 1-1410271-5
MULTIGIG RT PWR .8" R/A HDR 4P
PBFR



TE Part # 1-1410271-6
MULTIGIG RT PWR .8" R/A HDR 4P
PBFR



TE Part # 1-1410271-7
MULTIGIG RT PWR .8" R/A HDR 4P
PBFR



TE Part # 1-1410271-9
MULTIGIG RT PWR .8" R/A HDR 4P
PBFR

Customers Also Bought



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



TE Part #2102735-1
BP, Half Left End, MULTIGIG RT 2R



TE Part #1410186-1
MULTIGIG RT T2 .8" BP H-LFT



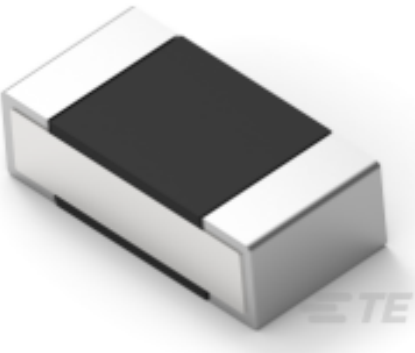
TE Part #1410142-1
MULTIGIG RT T2 .8" BP FULL RGH



TE Part #6450843-6
MBXLE R/A HEADER 7ACP



TE Part #1410140-1
MULTIGIG RT T2 .8" BP FULL CNT



TE Part #1-2176308-8
RP 1E 0.1W 200K 0.1% 25PPM 5K RL

Documents



Product Drawings

MULTIGIG RT PWR .8" VRT RCP 4P PBFR

English

CAD Files

Customer View Model

ENG_CVM_CVM_1410270-2_A.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1410270-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1410270-2_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

Product Environmental Compliance

MD_1410270-2_082620112313

English

MD_1410270-2_082620112313

English