



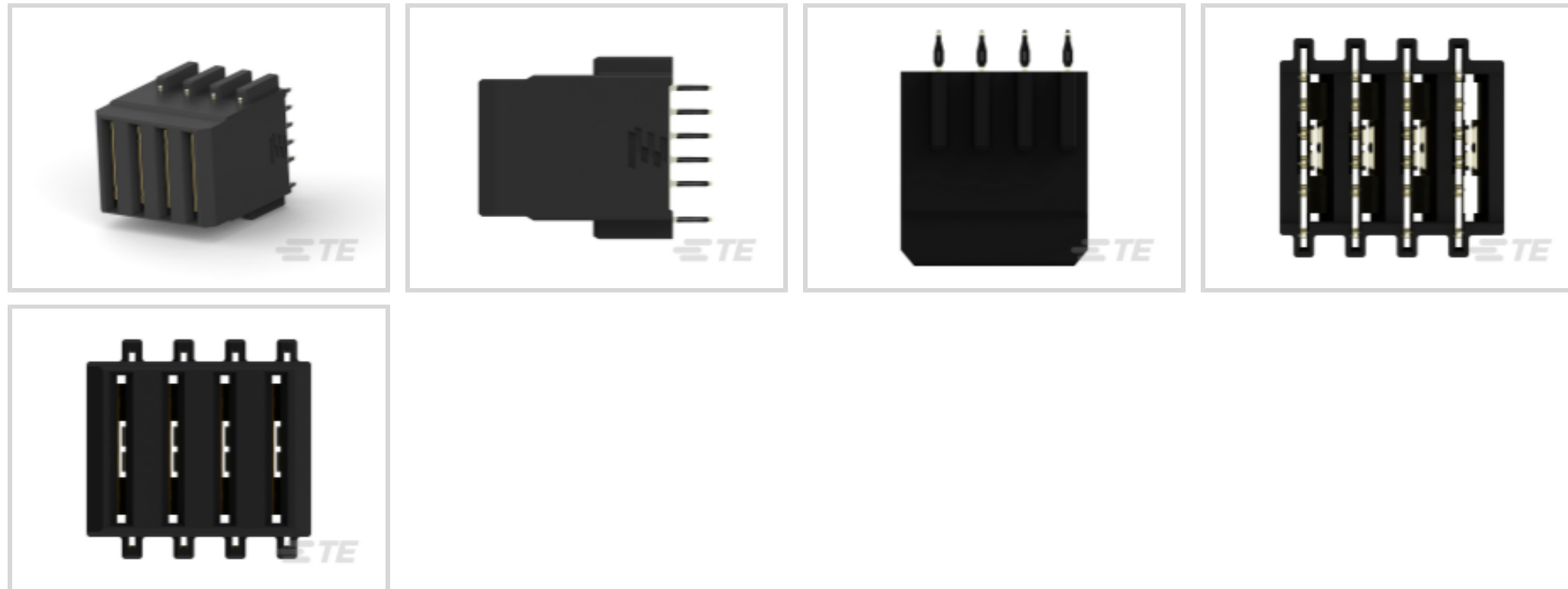
**MULTIGIG RT**

TE Internal #: 1410270-2

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

[View on TE.com >](#)

Connectors > Power Connectors > Backplane Power > 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**

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

**Configuration Features**

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



### Electrical Characteristics

Operating Voltage	250 VDC
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### Contact Features

PCB Contact Termination Area Plating Material Thickness	1.27 $\mu$ m[50 $\mu$ in]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Length	13.7 mm
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	20 A
Contact Termination Area Plating Material	Tin over Nickel
Contact Mating Area Plating Material	Gold over Nickel
Contact Mating Area Plating Thickness	1.27 $\mu$ m
Contact Termination Area Plating Thickness	1.27 $\mu$ m

### Termination Features

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

### Mechanical Attachment

PCB Mount Retention	With
PCB Mount Retention Type	Action/Compliant Tail
Guide Hardware	Without
Connector Mounting Type	Board Mount
Mating Alignment	With
Mating Alignment Type	Polarization

### Housing Features

Centerline (Pitch)	3.6 mm[.141 in]
Housing Color	Black
Housing Material	LCP (Liquid Crystal Polymer)
UL Flammability Rating	UL 94V-0

### Dimensions

PCB Hole Diameter	.61 mm
Length	29.59 mm
Height	15.25 mm



Width	15.25 mm
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PCB Thickness (Recommended)	1.4 mm
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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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### 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
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2022 (223) Candidate List Declared Against: JAN 2022 (223) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not applicable for solder process capability
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#### 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 #3-644486-4  
14P MTA100 SHRDED HDR ASSY SN



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



TE Part #825433-8  
MOD 2 PINHDR 1X8 P.



TE Part #825433-6  
MOD II SR HDR ASSY 6 POS



TE Part #825433-5  
MOD 2 PINHDR 1X5 P.



TE Part #826467-8  
8P MOD II SHROUDED HEADER, ST



TE Part #325212001-00  
MS5212-BM 12BAR TRSP GEL



TE Part #2-1969572-4  
ASSY, HDR, RIGHT ANGLE, DUAL  
ROW, EP2.5

### Documents



### Product Drawings

#### MULTIGIG RT PWR .8" VRT RCP 4P PBFR

English

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### 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.

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### 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

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### Product Specifications

#### Application Specification

English

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### Product Environmental Compliance

[MD\\_1410270-2\\_082620112313](#)

English

[MD\\_1410270-2\\_082620112313](#)

English