



**MULTIGIG RT**

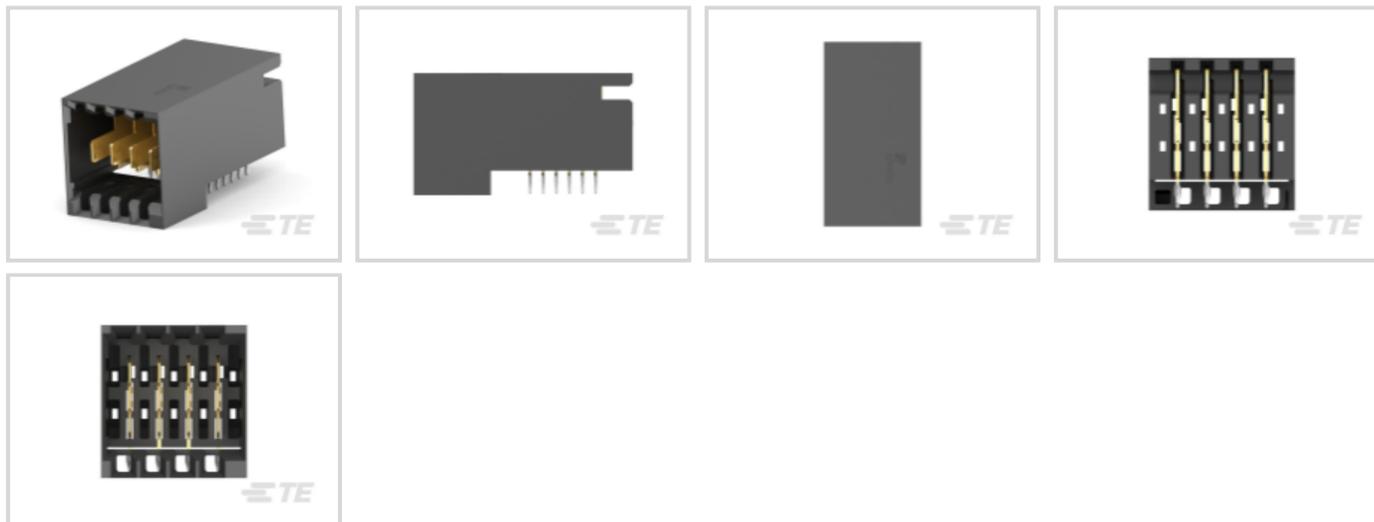
TE Internal #: 1-1410271-8

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

Centerline

[View on TE.com >](#)

Connectors > Power Connectors > Backplane Power > Backplane Power Connectors



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

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

Number of Positions: **4**

PCB Mount Orientation: **Right Angle**

Backplane Architecture: **Traditional Backplane**

**Features**

**Product Type Features**

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

**Configuration Features**

Card Slot Centerline	20.3 mm [.8 in]
Number of Power Positions	4
Number of Columns	4
Number of Positions	4
PCB Mount Orientation	Right Angle
Backplane Architecture	Traditional Backplane
Number of Rows	1
Stackable	Yes
Interface Type	2mm HM



### Electrical Characteristics

Operating Voltage	250 VDC
-------------------	---------

### Contact Features

Cavity 4 Blade Length	10.75 mm[.423 in]
Cavity 2 Blade Length	10.75 mm[.423 in]
Cavity 3 Blade Length	10.75 mm[.423 in]
Cavity 1 Blade Length	10.75 mm[.423 in]
PCB Contact Termination Area Plating Material Thickness	1.27 $\mu$ m[50 $\mu$ in]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Length	10.75 mm
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	20 A
Contact Termination Area Plating Material	Tin over Nickel
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Thickness	1.27 $\mu$ m
Contact Termination Area Plating Thickness	1.27 – 2.5 $\mu$ 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
Stack Height	14.7 mm[0.58 in]
Height	18.4 mm
Width	17.8 mm
Length	28.73 mm
PCB Thickness (Recommended)	1.4 mm

### Usage Conditions

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

### Operation/Application

Circuit Application	Power
---------------------	-------

### Packaging Features

Packaging Method	Tube
------------------	------

### 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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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



## Documents

### Product Drawings

[MULTIGIG RT PWR .8" R/A HDR 4P PBFR](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1410271-8\\_A.2d\\_dxf.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1410271-8\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1410271-8\\_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

[2\\_PIECE\\_POWER\\_CONNECTORS\\_qrg\\_4-1773458-1](#)

English

### Product Specifications

[Application Specification](#)

English

### Agency Approvals

[UL](#)

English

1-1410271-8

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

