

MULTIGIG RT

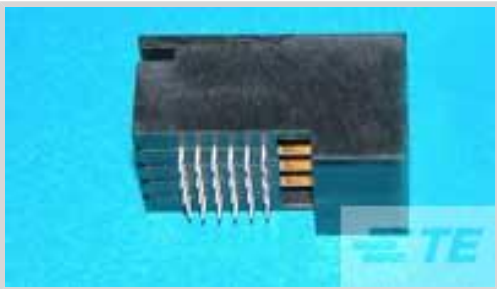
TE Internal #: 1410271-1

TE Internal Description: MULTI-GIG PWR .8" R/A HDR 4P

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Connectors > Power Connectors > Backplane Power Connectors



PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **4**

PCB Mount Orientation: **Right Angle**

Backplane Architecture: **Orthogonal**

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 Signal Positions | 0              |
| 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     | Orthogonal     |
| Stackable                  | No             |

Electrical Characteristics

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

Contact Features

|                                                      |          |
|------------------------------------------------------|----------|
| PCB Contact Termination Area Plating Material Finish | Bright   |
| Contact Mating Area Plating Material Thickness       | 1.27 µm  |
| Contact Length                                       | 13.75 mm |



|                                      |                   |
|--------------------------------------|-------------------|
| 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] |
| Cavity 3 Blade Length                | 13.75 mm[.541 in] |
| Cavity 4 Blade Length                | 13.75 mm[.541 in] |
| Contact Type                         | Pin               |
| 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                  |

Housing Features

|                    |        |
|--------------------|--------|
| Housing Material   | LCP    |
| Housing Color      | Black  |
| Centerline (Pitch) | 3.6 mm |

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           |

Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

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



Product Compliance

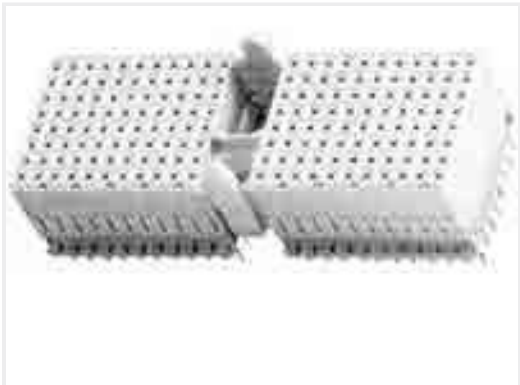
For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Not Compliant                                                                                                                                                                                                                                                                                                                                                                                                                 |
| EU ELV Directive 2000/53/EC                   | Compliant with Exemptions                                                                                                                                                                                                                                                                                                                                                                                                     |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold                                                                                                                                                                                                                                                                                                                                                                                          |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2024 (241)<br>SVHC > Threshold:<br>Pb (13% in Component Part)<br><b>Article Safe Usage Statements:</b><br>Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| Halogen Content                               | Low Halogen - Br, Cl, F < 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>

Customers Also Bought



TE Part #646773-1  
Z-PACK 2MM HM,TYPE D/E,VR



TE Part #2018855-1  
ASSY, SEATING TL, 4 ROW, 8 COL



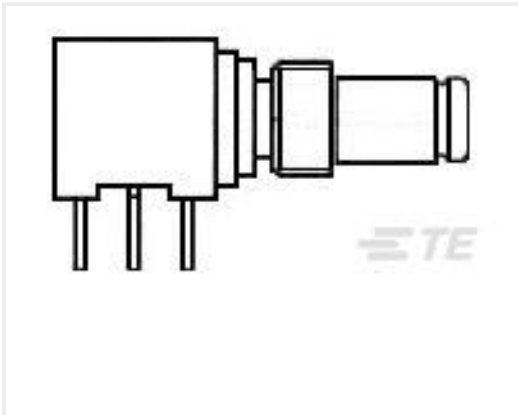
TE Part #2170207-4  
1X6 QSFP ASSEMBLY THRU BZL W/4 PORT LP



TE Part #1-5084615-0  
0.8FH,P06H.5,200,30/Sn,TU



TE Part #5787885-1  
200 CMP DCK RA PLG INV SHL 3.4



TE Part #1460060-1  
1.0/2.3 R/A PCB JACK, 50 OHM



TE Part #2170262-2  
SFP+ 1X1 HEAT SINK, SPECIAL TYPE



TE Part #7-1542006-8  
HTS804-U=29MM HS ASSY ULTEM CL



TE Part #2169678-6  
SFP+ assy 2x5 Gasket Inner LP Sn



TE Part #2007821-2  
IMP100S,H,V4P10C,UG,LEW39,4.9

Documents

CAD Files

Customer View Model  
[ENG\\_CVM\\_CVM\\_1410271-1\\_A.2d\\_dxf.zip](#)  
English

3D PDF

3D  
Customer View Model  
[ENG\\_CVM\\_CVM\\_1410271-1\\_A.3d\\_igs.zip](#)  
English

Customer View Model  
[ENG\\_CVM\\_CVM\\_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

[High Speed Backplane Connectors catalog - MULTIGIG RT Connector](#)  
English

Product Specifications

[Application Specification](#)  
English

Agency Approvals

[UL](#)  
English