# 1-1410271-8 ✔ ACTIVE

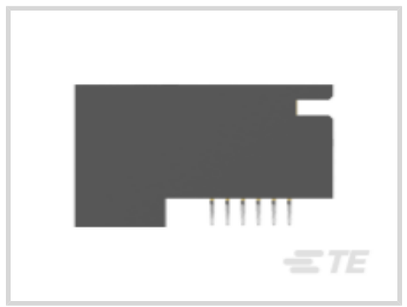
MULTIGIG RT

TE Internal #: 1-1410271-8

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

View on TE.com >

Connectors > Power Connectors > 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 |
| Connector & Contact Terminates To | Printed Circuit Board |

### Configuration Features

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

### Electrical Characteristics

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

## Contact Features

| | |
|---|---|
| Cavity 4 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] |
| Cavity 2 Blade Length | 10.75 mm[.423 in] |
| PCB Contact Termination Area Plating Material Thickness | 1.27 µm[50 µin] |
| Contact Type | Tab |
| 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 | 10.75 mm |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Base Material | Phosphor Bronze |
| 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

| | |
|---|---|
| Stack Height | 14.7 mm[0.58 in] |
| Connector Height | 18.4 mm |
| PCB Thickness (Recommended) | 1.4 mm |
| PCB Hole Diameter | .61 mm |

| | |
|---|---|
| Product Width | 17.8 mm |
| Product Length | 28.73 mm |

### Usage Conditions

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

### Operation/Application

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

### 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 | 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 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<br>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 # 1410270-2
MULTIGIG RT PWR .8" VRT RCP 4P PBFR

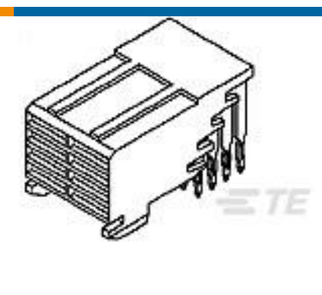
## Customers Also Bought



TE Part # 1-292206-0
MINI COMMON TERMINATION HEADERS



TE Part # 3-352177-0
Z-PACK/M F-HDR 55+3



TE Part # 5536614-1
2MM FB,ASY,008,PWR,REC,EN,3.56



TE Part # 2169809-1
IMP,Power,4PR,VR,Tin



TE Part # 2169806-1
IMP,Power,3PR,Vert,Recp,Tin



TE Part # 881545-1
SHUNT LP W/HANDLE 2POS 15AU



TE Part # 2169797-4
IMP,Power,3PR,R/A,Hdr,5.7,6.9Tin

TE Part # 2362764-6

## 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 Conditionsof 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