



**MULTIGIG RT**

TE Internal #: 1410278-2

Backplane Power Connectors, PCB Mount Receptacle, Board-to-Board, 2 Position, Vertical, Orthogonal, 3.6 mm [.141 in] Centerline, Printed Circuit Board

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Connectors > Power Connectors > Backplane Power > Backplane Power Connectors



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

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

Number of Positions: **2**

PCB Mount Orientation: **Vertical**

Backplane Architecture: **Orthogonal**

**Features**

**Product Type Features**

|                                   |                       |
|-----------------------------------|-----------------------|
| 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  | 2          |
| Number of Rows             | 11         |
| Number of Columns          | 2          |
| Number of Signal Positions | 0          |
| Number of Positions        | 2          |
| PCB Mount Orientation      | Vertical   |
| Backplane Architecture     | Orthogonal |
| Stackable                  | No         |

**Electrical Characteristics**

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



### Contact Features

|                                                         |                                         |
|---------------------------------------------------------|-----------------------------------------|
| PCB Contact Termination Area Plating Material Thickness | 1.27 $\mu\text{m}$ [50 $\mu\text{in}$ ] |
| Contact Type                                            | Socket                                  |
| Contact Mating Area Plating Material Thickness          | 1.27 $\mu\text{m}$                      |
| Contact Mating Area Plating Material                    | Gold                                    |
| 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                                    |

### 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            | 16.25 mm |
| PCB Thickness (Recommended) | 1.4 mm   |
| PCB Hole Diameter           | .61 mm   |
| Product Width               | 15.25 mm |
| Product Length              | 29.59 mm |

### Usage Conditions

|                             |                                                              |
|-----------------------------|--------------------------------------------------------------|
| Operating Temperature Range | -55 – 105 $^{\circ}\text{C}$ [-67 – 221 $^{\circ}\text{F}$ ] |
|-----------------------------|--------------------------------------------------------------|

### 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: JUNE 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<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 |
|---------------------------|----------------------------------------------|

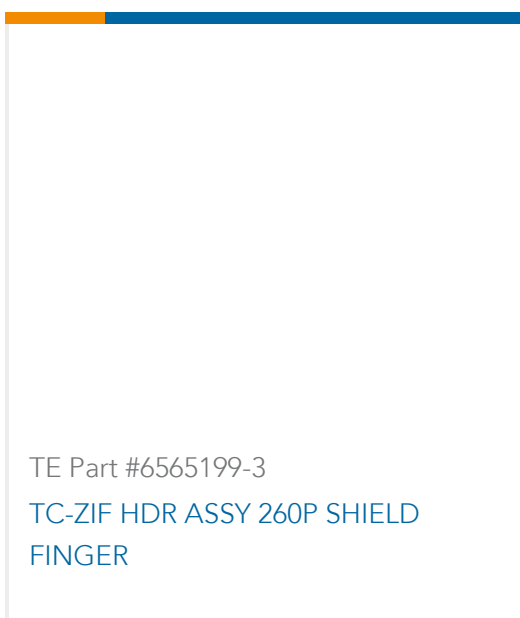
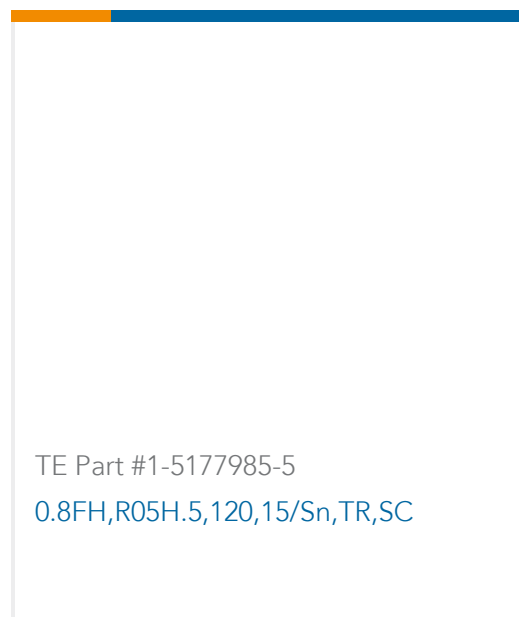
Product Compliance Disclaimer

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**



### Customers Also Bought



### Documents



### Product Drawings

[MULTIGIG RT PWR .8" VRT RCP 2P PBFR](#)

English

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### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1410278-2\\_B.2d\\_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1410278-2\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1410278-2\\_B.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

[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\\_1410278-2\\_03012014335\\_dmtec](#)

English

[MD\\_1410278-2\\_03012014335\\_dmtec](#)

English

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### Agency Approvals

[UL](#)

English