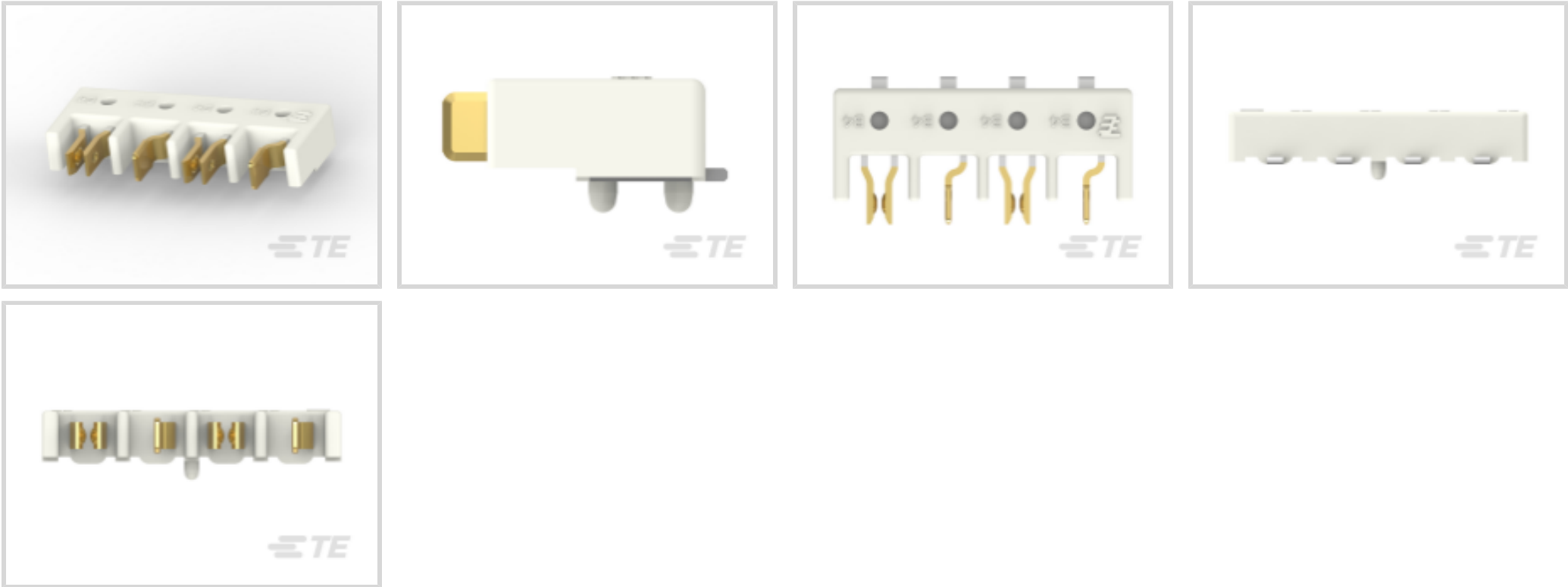




Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Hermaphroditic Connector**

PCB Mount Orientation: **Horizontal**

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

Number of Positions: **4**

Centerline (Pitch): **3 mm**

Features

Product Type Features

|                             |                                    |
|-----------------------------|------------------------------------|
| PCB Connector Assembly Type | PCB Mount Hermaphroditic Connector |
| Connector System            | Board-to-Board                     |
| Sealable                    | No                                 |

Configuration Features

|                                  |              |
|----------------------------------|--------------|
| Number of Rows                   | 1            |
| Stackable                        | No           |
| Connector Contact Load Condition | Fully Loaded |
| PCB Mount Orientation            | Horizontal   |
| Number of Positions              | 4            |
| Board-to-Board Configuration     | Co-Planar    |

Electrical Characteristics

|                                       |         |
|---------------------------------------|---------|
| Dielectric Withstanding Voltage (Max) | 300 VDC |
| Operating Voltage                     | 300 VAC |

Contact Features



|                                               |                  |
|-----------------------------------------------|------------------|
| Contact Layout                                | Inline           |
| Mating Tab Width                              | 1.55 mm[.061 in] |
| Mating Tab Thickness                          | .3 mm[.011 in]   |
| PCB Contact Termination Area Plating Material | Tin              |
| Contact Base Material                         | Copper Alloy     |
| Contact Mating Area Plating Material          | Tin              |
| Contact Type                                  | Hermaphroditic   |
| Contact Current Rating (Max)                  | 3 A              |

Termination Features

|                                               |                |
|-----------------------------------------------|----------------|
| Rectangular Termination Post & Tail Thickness | .3 mm[.011 in] |
| Rectangular Termination Post & Tail Width     | .7 mm[.028 in] |
| Termination Method to Printed Circuit Board   | Surface Mount  |

Mechanical Attachment

|                          |             |
|--------------------------|-------------|
| PCB Mount Alignment Type | None        |
| Mating Alignment         | Without     |
| PCB Mount Retention      | Without     |
| PCB Mount Alignment      | Without     |
| Connector Mounting Type  | Board Mount |

Housing Features

|                    |         |
|--------------------|---------|
| Centerline (Pitch) | 3 mm    |
| Housing Color      | Natural |
| Housing Material   | LCP     |

Dimensions

|                             |                  |
|-----------------------------|------------------|
| PCB Thickness (Recommended) | 1.57 mm[.062 in] |
|-----------------------------|------------------|

Usage Conditions

|                             |              |
|-----------------------------|--------------|
| Housing Temperature Rating  | High         |
| Operating Temperature Range | -40 – 105 °C |

Operation/Application

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

Industry Standards

|                        |                       |
|------------------------|-----------------------|
| Approved Standards     | CSA LR7189, UL E28476 |
| UL Flammability Rating | UL 94V-0              |



|                 |        |
|-----------------|--------|
| Agency/Standard | CSA    |
| CSA Certified   | Yes    |
| CSA File Number | LR7199 |
| UL File Number  | E28476 |

Packaging Features

|                  |                     |
|------------------|---------------------|
| Packaging Method | Pocket tape on reel |
|------------------|---------------------|

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 2021 (211)<br>Candidate List Declared Against: JAN 2018 (181)<br>SVHC > Threshold:<br>Not Yet Reviewed |
| Halogen Content                               | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free                                                     |
| Solder Process Capability                     | Reflow solder capable to 260°C                                                                                                          |

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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # CAT-B8519-P7565  
BUCHANAN WIREMATE POKE-IN

TE Part # 2213611-2  
MINI HERM ASSY WITH POSTS -  
SELECT GOLD

Customers Also Bought

TE Part #1376020-2  
DYNAMIC 2000 HDR ASSY

TE Part #1415898  
PCB Power Relay: 16 Amp, Inrush

TE Part #1622820-4  
SMD Power Resistor: 1 Watt, 3520  
Series

TE Part #1954289-2  
Connector, Blade & Recpt 4 Pos

TE Part #1586041-4  
4P VAL-U-LOK R/A HDR V2

TE Part #2-1825059-3  
ADF05ST04=DIP SWT, FLUSH, SMT-GW

TE Part #1-2132415-1  
EP2.5 Shrouded HDR ASSY 11P VERT  
w/oboss

TE Part #1971567-3  
MINIATURE HERMAPHRODITIC (6P)

TE Part #1971567-1  
MINIATURE HERMAPHRODITIC (2P)

TE Part #DTM06-3S  
DEUTSCH DTM HOUSINGS

Documents

Product Drawings

MINIATURE HERMAPHRODITIC (4P)

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1971567-2\_B1.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_1971567-2\\_B1.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1971567-2\\_B1.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[7-1773456-9\\_Mini\\_Herm](#)

English

[7-1773456-9\\_Mini\\_Herm](#)

Product Specifications

[Application Specification](#)

English

[Application Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English

Agency Approvals

[Mini Hermaphroditic Connectors](#)

English