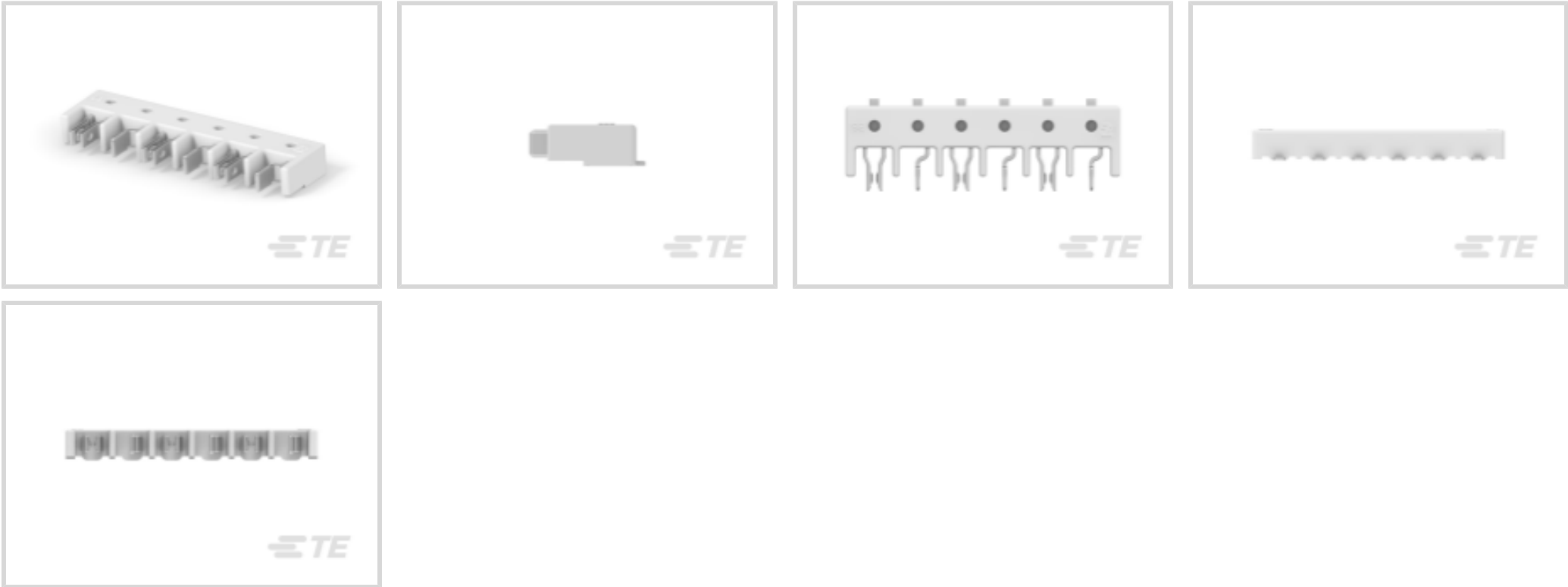




Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Horizontal**

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

Number of Positions: **6**

Number of Rows: **1**

Features

Dimensions

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

Electrical Characteristics

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

Industry Standards

|   |                       |
|---|-----------------------|
| Compatible With Agency/Standards Products   | CSA                   |
| Compatible With Approved Standards Products | UL E28476, CSA LR7189 |
| UL Flammability Rating                      | UL 94V-0              |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Housing Temperature Rating  | High                       |
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |

Mechanical Attachment

|                          |      |
|--------------------------|------|
| PCB Mount Alignment Type | None |
|--------------------------|------|



|                         |             |
|-------------------------|-------------|
| PCB Mount Retention     | Without     |
| PCB Mount Alignment     | Without     |
| Connector Mounting Type | Board Mount |
| Mating Alignment        | Without     |

Termination Features

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

Contact Features

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

Housing Features

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

Configuration Features

|                                  |              |
|----------------------------------|--------------|
| Connector Contact Load Condition | Fully Loaded |
| Board-to-Board Configuration     | Co-Planar    |
| Stackable                        | No           |
| PCB Mount Orientation            | Horizontal   |
| Number of Positions              | 6            |
| Number of Rows                   | 1            |

Product Type Features

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

Body Features

|  |  |
|--|--|
|  |  |
|--|--|



|                       |         |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|

Operation/Application

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

Packaging Features

|                  |             |
|------------------|-------------|
| Packaging Method | Tape & Reel |
|------------------|-------------|

Other

|                    |           |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance  | Compliant |

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 2024 (241)<br>Candidate List Declared Against: JAN 2022 (223)<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                     | 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 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 # 2213611-3  
[MINI HERM ASSY WITH POSTS - SELECT GOLD](#)

TE Part # 2834006-2  
[RELEASE POKE-IN CONNECTOR\\_2POLES](#)

Customers Also Bought

TE Part #770997-1  
[04P CMNL SOK HDR ASSY](#)

TE Part #2176045-2  
[EP 5W 10R 5%](#)

TE Part #2213611-3  
[MINI HERM ASSY WITH POSTS - SELECT GOLD](#)

TE Part #2213614-2  
[HERM BLADE & REC,4 POS,LATCH, SELECT GOLD](#)

TE Part #5-103168-3  
[10 MODII HDR DRST SHRD .100CL](#)

TE Part #350428-1  
[02P UMNL PIN HDR ASSY NATL](#)

TE Part #350424-1  
[04P CMNL HDR ASSY PC NATL](#)

TE Part #1879248-1  
[SQH30 10R 5% 6.35MM FASTON WITHOUT PADS](#)

TE Part #5-103168-4  
[12 MODII HDR DRST SHRD .100CL](#)

TE Part #9-2176391-2  
[RQ 1206 110K 0.1% 10PPM 5K RL](#)

Documents

Product Drawings

[MINIATURE HERMAPHRODITIC \(6P\)](#)

English

CAD Files

Customer View Model

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

English

[3D PDF](#)



3D

Customer View Model

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

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1971567-3\\_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

Agency Approvals

[Mini Hermaphroditic Connectors](#)

English