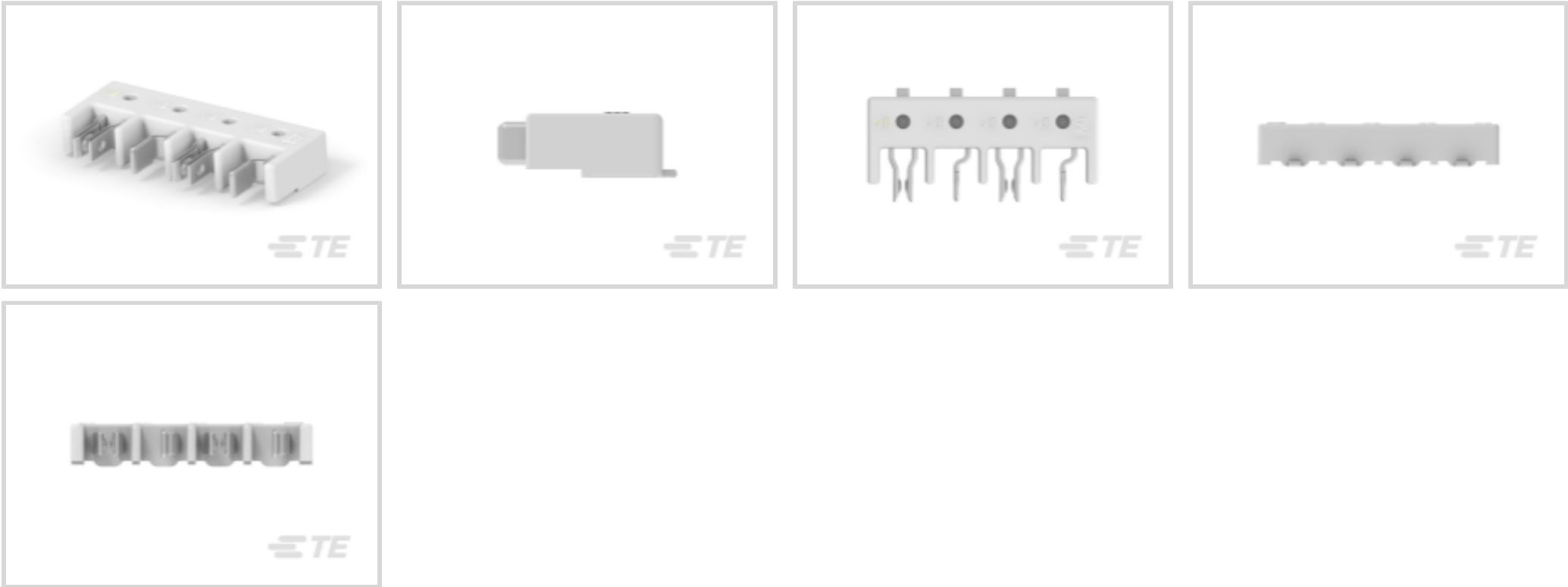




Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Horizontal**

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

Number of Positions: **4**

Number of Rows: **1**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

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

Body Features



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

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 PCB                     | 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 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

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



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

Packaging Features

|                  |             |
|------------------|-------------|
| Packaging Method | Tape & 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: JUNE 2024 (241)<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                     | 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 # 2834006-2  
RELEASE POKE-IN  
CONNECTOR\_2POLES

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

Customers Also Bought

TE Part #2213800-1  
COOLSPICE NEW STANDARD

TE Part #1-1622820-0  
3520 15R 5%

TE Part #2176486-2  
BMC 0805 120R 25% A Gen C

TE Part #8-102203-4  
03 MODII HDR SRRA SHRD LF

TE Part #2-1676481-4  
CPF 0603 47R 0.1% 25PPM 1K RL

TE Part #2-2013310-1  
EMBOSS TAPE DDR3 204P 9.2H STD

TE Part #2319764-4  
E STACK PIANO 8P G LONG TUBE  
PD ON

TE Part #3-1879354-1  
RR03 5% 5R6 AMMO

Documents

Product Drawings  
MINIATURE HERMAPHRODITIC (4P)

English

CAD Files  
Customer View Model  
ENG\_CVM\_CVM\_1971567-2\_B1.2d\_dxf.zip

English

3D PDF

3D

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

Agency Approvals

Mini Hermaphroditic Connectors

English