

1971567-3 ✓ ACTIVE

LUMAWISE

TE Internal #: 1971567-3

PCB Mount Hermaphroditic Connector, Horizontal, Board-to-Board, 6 Position, 3 mm Centerline, Tin (Sn), Surface Mount, Power, Natural, Tape & Reel

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles > Mini Hermaphroditic Connectors



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

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

Number of Positions: **6**

Number of Rows: **1**

Centerline (Pitch): **3 mm**

[All Mini Hermaphroditic Connectors \(8\)](#)

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics



Dielectric Withstanding Voltage (Max)	300 VAC
---------------------------------------	---------

Operating Voltage	300 VDC
-------------------	---------

Body Features

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

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]
----------------------	----------------

Contact Mating Area Plating Material	Tin (Sn)
--------------------------------------	----------

Contact Type	Hermaphroditic
--------------	----------------

Contact Current Rating (Max)	3 A
------------------------------	-----

PCB Contact Termination Area Plating Material	Tin
---	-----

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
---------------------------	---------------

Mechanical Attachment

Connector Mounting Type	Board Mount
-------------------------	-------------

Mating Alignment	Without
------------------	---------

PCB Mount Alignment	Without
---------------------	---------

PCB Mount Retention	Without
---------------------	---------

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[-40 – 221 °F]
-----------------------------	----------------------------

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](https://www.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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°C

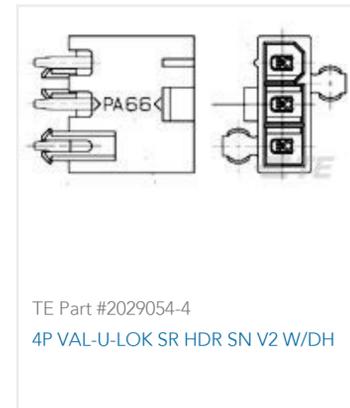
Product Compliance Disclaimer

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



Customers Also Bought



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