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

PCB Mount Orientation: **Right Angle**

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 |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

| | |
|----------------------------------|--------------|
| Stackable | No |
| Connector Contact Load Condition | Fully Loaded |
| PCB Mount Orientation | Right Angle |
| Number of Positions | 4 |
| Number of Rows | 1 |
| Board-to-Board Configuration | Parallel |

Electrical Characteristics

| | |
|---------------------------------------|----------|
| Dielectric Withstanding Voltage (Max) | 1500 VAC |
| Operating Voltage | 125 VAC |

Body Features

| | |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

Contact Features

| | |
|----------------|--------|
| Contact Layout | Inline |
|----------------|--------|



| | |
|---|-----------------|
| Mating Tab Width | 3.05 mm[.12 in] |
| Mating Tab Thickness | .4 mm[.016 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) | 6 A |

Termination Features

| | |
|---|----------------|
| Rectangular Termination Post & Tail Thickness | .4 mm[.016 in] |
| Rectangular Termination Post & Tail Width | 1 mm[.04 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) | 4 mm |
| Housing Material | LCP |

Dimensions

| | |
|-----------------------------|------------------|
| Connector Height | 3.9 mm |
| 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 & Signal |
|---------------------|----------------|

Industry Standards

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



Packaging Features

| | |
|----------------|-------------|
| Packaging Type | 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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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 # 1-1954289-2
Connector, Blade & Recept 4 Pos



TE Part # 1-2058128-2
Dust Cap, 4 Posn, Black

Documents



Product Drawings

Connector,Blade & Recpt 4 Pos

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-1954289-2_A.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1954289-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1954289-2_A.3d_stp.zip

English

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

Datasheets & Catalog Pages

HERMAPHRODITIC_BLADE_AND_RECPT_CONNECTOR

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English