

5747145-2 ✓ ACTIVE

AMPLIMITE

TE Internal #: 5747145-2

PCB D-Sub Connectors, Receptacle, Board-to-Board, 50 Position, 2.77 mm [.109 in] Centerline, 3 Row, Size 5, Medium Profile, Vertical

[View on TE.com >](#)



Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors >

D-Sub Receptacle Assembly: Vertical, Action Pin, Shell Size 5, 2.77mm



Connector & Housing Type: **Receptacle**

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

Number of Positions: **50**

Centerline (Pitch): **2.77 mm [.109 in]**

Number of Rows: **3**

[All D-Sub Receptacle Assembly: Vertical, Action Pin, Shell Size 5, 2.77mm \(7\)](#)

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Grounding Indents | Without |
| Grounding Straps | Without |
| Shell Type | Front Metal Shell |
| Connector & Housing Type | Receptacle |
| Connector System | Board-to-Board |
| D-Sub Shell Size | 5 |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |
| Product Type | Connector |

Configuration Features

| | |
|-----------------------|----------|
| Number of Positions | 50 |
| Number of Rows | 3 |
| PCB Mount Orientation | Vertical |
| Preloaded | Yes |

Body Features

| | |
|---------------------------|------|
| Plastic | No |
| Female Screwlock Material | Zinc |



| | |
|------------------------|--------------|
| Connector Profile | Medium |
| Shell Material | Carbon Steel |
| Shell Plating Material | Tin |

Contact Features

| | |
|---|--------------------------|
| Contact Mating Area Plating Material | Gold |
| Contact Underplating Material | Nickel, Palladium Nickel |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Base Material | Copper Alloy |
| | 30 μin |

Termination Features

| | |
|---|--------------------------|
| Grounding Clips | Without |
| Termination Method to Printed Circuit Board | Through Hole - Press-Fit |
| Termination Post Length | 5.8 mm[.228 in] |

Mechanical Attachment

| | |
|--------------------------|--------------------------------------|
| Panel Mount Feature | Without |
| PCB Mount Retention | With |
| PCB Mount Retention Type | Action/Compliant Tail, Mounting Hole |
| Mating Retention | With |
| Mating Retention Type | Female Screwlocks, Fixed |
| Connector Mounting Type | Board Mount |
| Mounting Hole Diameter | 3.05 mm[.12 in] |

Housing Features

| | |
|--------------------|------------------|
| Centerline (Pitch) | 2.77 mm[.109 in] |
| Housing Material | Thermoplastic |
| Housing Color | Black |

Dimensions

| | |
|-----------------------------|------------------|
| Row-to-Row Spacing | 2.84 mm[.112 in] |
| PCB Thickness (Recommended) | 2.36 mm[.093 in] |

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

| | |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|



Industry Standards

| | |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

| | |
|--------------------|------|
| Packaging Method | Tube |
| Packaging Quantity | 7 |

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 | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Not applicable for solder process capability |

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



Documents

Product Drawings

[50 RCPT ACT PIN/MS MED SCRLK](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_5747145-2_C.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_5747145-2_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5747145-2_C.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[AMPLIMITE Subminiature D Connectors - Straight Posted Connectors](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English