

749085-5 ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

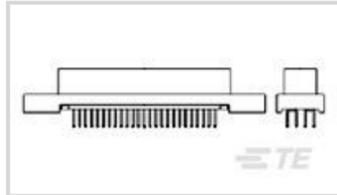
TE Internal #: 749085-5

PCB D-Sub Connectors, Plug, Cable-to-Board, 50 Position, 1.27 mm
[.05 in] Centerline, 2 Row, Standard Profile, Vertical, AMPLIMITE
0.50 Series

[View on TE.com >](#)



Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > D-Sub Plug Assembly: Vertical, 1.27mm



Connector & Housing Type: **Plug**

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

Number of Positions: **50**

Centerline (Pitch): **1.27 mm [.05 in]**

Number of Rows: **2**

[All D-Sub Plug Assembly: Vertical, 1.27mm \(28\)](#)

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Shell Type | Full Metal Shell |
| Connector & Housing Type | Plug |
| Connector System | Cable-to-Board |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |
| Shielded | Yes |
| Connector Type | Connector Assembly |
| Product Type | Connector |

Configuration Features

| | |
|-----------------------|----------|
| Number of Positions | 50 |
| Number of Rows | 2 |
| PCB Mount Orientation | Vertical |

Body Features

| | |
|--------------------------|--------------------|
| Bracket Material | Zinc |
| Bracket Plating Material | Nickel over Copper |
| Post Plating Material | Tin |
| Connector Profile | Standard |



| | |
|------------------------|-----------------|
| Shell Material | Steel |
| Shell Plating Material | Tin over Copper |
| | .011 in |

Contact Features

| | |
|---|--|
| Contact Mating Area Plating Material | Gold or Gold Flash over Palladium Nickel |
| Contact Underplating Material | Palladium Nickel |
| PCB Contact Termination Area Plating Material | Tin-Lead |
| Contact Base Material | Phosphor Bronze |
| Contact Current Rating (Max) | 1 A |
| | 30 μ m |

Termination Features

| | |
|---|-----------------------|
| Termination Method to Printed Circuit Board | Through Hole - Solder |
| Termination Post Length | 3.18 mm[.125 in] |

Mechanical Attachment

| | |
|--------------------------|---------------|
| PCB Mount Alignment | Without |
| PCB Mount Retention | With |
| PCB Mount Retention Type | Mounting Hole |
| Mating Retention | With |
| Mating Retention Type | Screwlocks |
| Connector Mounting Type | Board Mount |
| Mating Alignment | Without |
| | .125 in |

Housing Features

| | |
|--------------------|-----------------|
| Centerline (Pitch) | 1.27 mm[.05 in] |
| Housing Material | Polyester |
| Housing Color | Black |

Dimensions

| | |
|--------------------|----------------|
| Row-to-Row Spacing | 2.54 mm[.1 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 | 10 |

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

| | |
|---|--|
| EU RoHS Directive 2011/65/EU | Not Compliant |
| EU ELV Directive 2000/53/EC | Not Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Pb (40% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| Halogen Content | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Not lead free process capable |

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 # 749070-5
50 50SR VERT RCPT ASSY

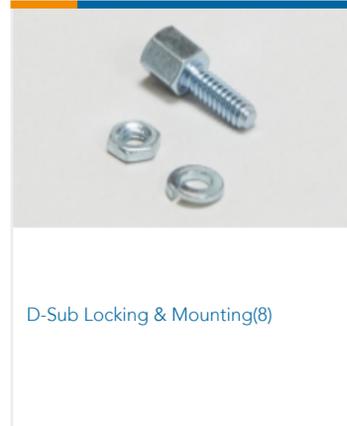
Also in the Series | AMPLIMITE 0.50 Series



D-Sub Backshells & Clamps(31)



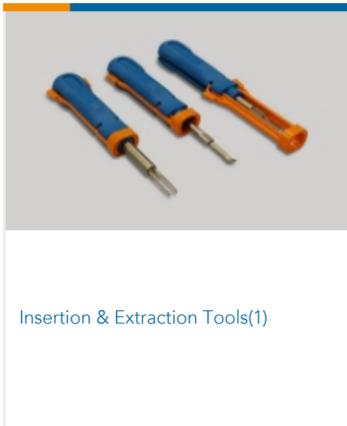
D-Sub Covers(20)



D-Sub Locking & Mounting(8)



IDC D-Sub Connectors(76)



Insertion & Extraction Tools(1)



PCB D-Sub Connectors(191)

Customers Also Bought



TE Part #3-2322421-9
M12 A-M-8 CAB ASS (PLG-PLG) 20.0M
CAT 7



TE Part #2-2176416-5
9W STD M/OX 5% 510R



TE Part #YDTS20F25-37PBV001
D38999: Square Flange, 25-37 insert



TE Part #ZPF000000000000794
047-1013-20



TE Part #1676679-1
RN 0805 28R7 0.1% 10PPM CUT
LENGTH



TE Part #2-1879745-2
RP 1J 909R 0.1% 15PPM CUT LENGTH



TE Part #5-1879269-8
RP 2A 34R8 0.1% 15PPM CUT LENGTH



Documents

Product Drawings

[50 50SR VRT PLUG ASSY](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_749085-5_G.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_749085-5_G.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_749085-5_G.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL](#)

English