



Connectors > D-Shaped Connectors > D-Sub Connectors > IDC D-Sub Connectors > IDC D-Sub: Plug Assembly, Panel Mount, Signal, 1.27 mm



Connector & Housing Type: **Plug**

Solid Wire Size: **.05 – .1 mm²**

Shielded: **No**

Connector System: **Cable-to-Panel**

[All IDC D-Sub: Plug Assembly, Panel Mount, Signal, 1.27 mm \(4\)](#)

Features

Product Type Features

|                                   |                    |
|-----------------------------------|--------------------|
| Connector & Housing Type          | Plug               |
| Connector System                  | Cable-to-Panel     |
| Connector Product Type            | Connector Assembly |
| Connector & Contact Terminates To | Wire & Cable       |

Configuration Features

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Number of Positions               | 50                                 |
| Number of Rows                    | 2                                  |
| Compatible With Wire & Cable Type | Ribbon Cable, Round Jacketed Cable |

Body Features

|                                 |                  |
|---------------------------------|------------------|
| Cover Material                  | Thermoplastic    |
| Ribbon Cable Centerline Spacing | 1.27 mm[.025 in] |
| Primary Product Color           | Black            |

Contact Features

|                               |                  |
|-------------------------------|------------------|
| Contact Underplating Material | Palladium Nickel |
|-------------------------------|------------------|



|                                                |                    |
|------------------------------------------------|--------------------|
| Wire Contact Termination Area Plating Material | Tin                |
| Contact Options                                | Installed          |
| Contact Mating Area Plating Material           | Gold or Gold Flash |
| Contact Base Material                          | Phosphor Bronze    |
| Contact Current Rating (Max)                   | 1 A                |

Termination Features

|                                    |                               |
|------------------------------------|-------------------------------|
| Termination Cover Method           | Assembled                     |
| Termination Cover Type             | Non Lacing                    |
| Termination Cover                  | With                          |
| Termination Method to Wire & Cable | Insulation Displacement (IDC) |

Mechanical Attachment

|                                   |                    |
|-----------------------------------|--------------------|
| Mating Retention Type             | Latch Blocks       |
| Mounting Feature Plating Material | Nickel over Copper |
| Mounting Feature Material         | Zinc               |
| Mating Retention                  | With               |
| Connector Mounting Type           | Panel Mount        |

Housing Features

|                    |                 |
|--------------------|-----------------|
| Housing Material   | Thermoplastic   |
| Centerline (Pitch) | 1.27 mm[.05 in] |

Dimensions

|                                      |                              |
|--------------------------------------|------------------------------|
| Compatible Insulation Diameter Range | .74 – .91 mm[.029 – .036 in] |
| Compatible Insulation Diameter (Max) | .91 mm                       |
| Solid Wire Size                      | .05 – .1 mm²                 |
| Wire Size                            | 28 AWG, 30 AWG               |

Usage Conditions

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

Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
| Shielded            | No     |

Industry Standards

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



Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 10   |
| Packaging Method   | Tube |

Product Compliance

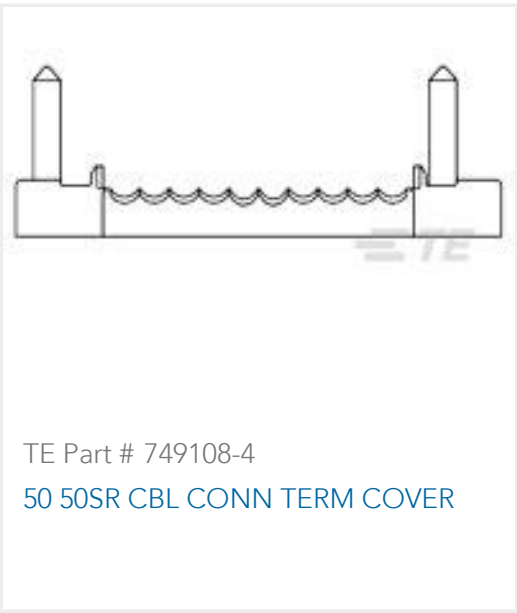
For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                                                |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 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: JAN 2021 (211)<br>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



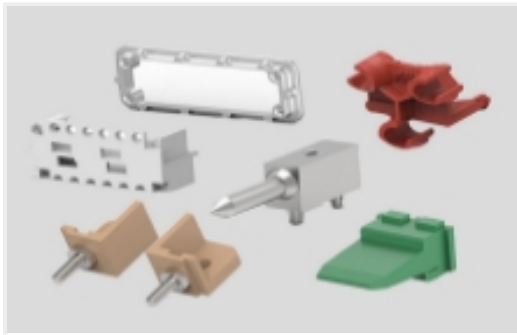
Also in the Series | AMPLIMITE 0.50 Series



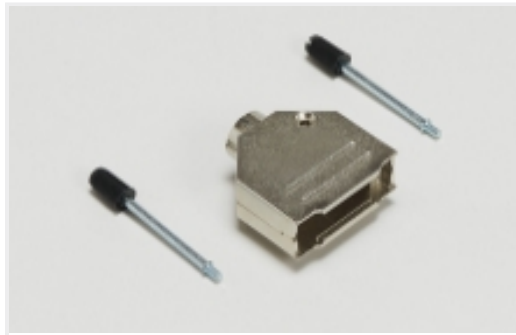
Connector Backshells(21)



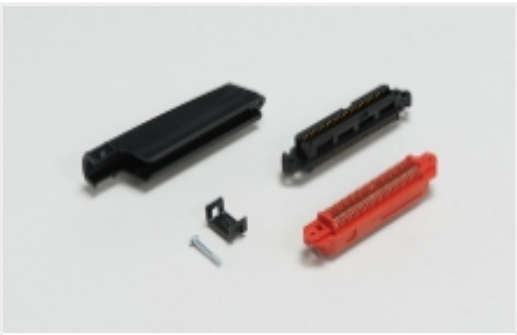
Connector Caps & Covers(20)



Connector Hardware(6)



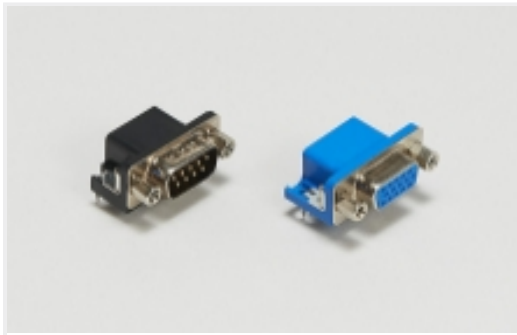
D-Sub Backshells & Clamps(21)



IDC D-Sub Connectors(69)

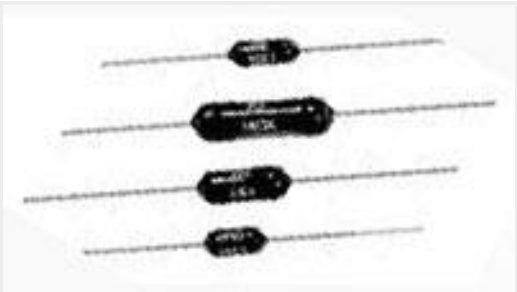


Insertion & Extraction Tools(1)



PCB D-Sub Connectors(172)

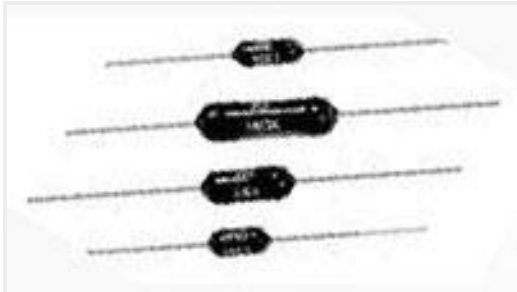
Customers Also Bought



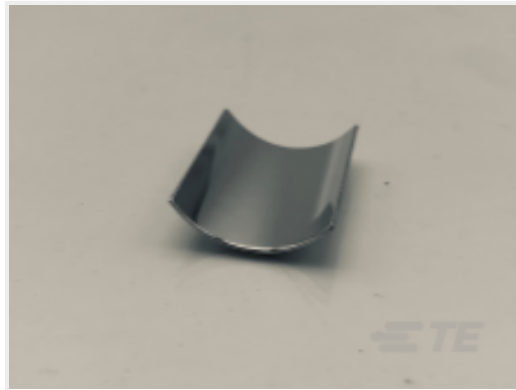
TE Part #1879627-3  
H4P 12R 1% 100PPM



TE Part #1658611-3  
15 POS HDF PLUG, AP



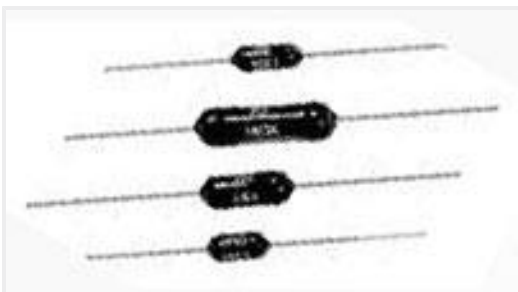
TE Part #1879627-7  
H4P 18R 1% 100PPM



TE Part #988596-000  
AE-205



TE Part #T2040164101-000  
HE-016-MC



TE Part #1-1879627-1  
H4P 27R 1% 100PPM



TE Part #5-749877-5  
50 50SR PANEL MOUNT RCPT, ROHS



TE Part #4-1672124-9  
3100-20U5999C=2 POLE CONTACTOR



TE Part #9-1440002-6  
SDT-S-105DMR2,000



TE Part #9-1415043-1  
MT78602

Document



Product Drawings

50 50SR PNL MNT PLUG ASSY, ROHS

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_5-749879-5\_J1.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-749879-5\_J1.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-749879-5\_J1.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_5-749879-5\_J.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_5-749879-5\_J.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_5-749879-5\_J.2d\_dxf.zip

English

3D PDF

English

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Product Specifications

Application Specification

English

Agency Approvals

UL

English