

5-749879-5 ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

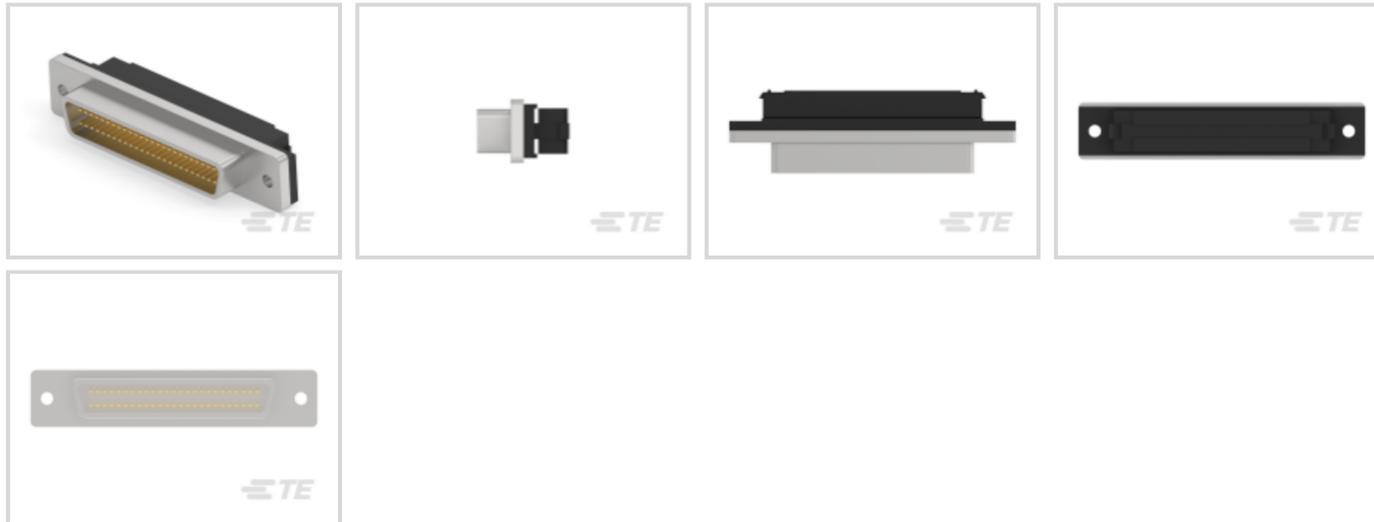
TE Internal #: 5-749879-5

50 Position D-Shaped Connector, Plug, Cable-to-Panel, Panel Mount, 1.27 mm [.05 in] Centerline, Wire & Cable, Signal, AMPLIMITE 0.50 Series

[View on TE.com >](#)



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



Number of Positions: 50

Connector & Housing Type: Plug

Connector System: Cable-to-Panel

Connector Mounting Type: Panel Mount

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

[All IDC D-Sub: Plug Assembly, Panel Mount, Signal, 1.27 mm \(3\)](#)

## 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 Mating Area Plating Material	Gold or Gold Flash
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	1 A
Contact Options	Installed

### 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	30 – 28 AWG
Wire Size	28 AWG, 30 AWG

### Usage Conditions

Operating Temperature Range	-55 – 105 °C [-67 – 221 °F]
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### Operation/Application

Shielded	No
Circuit Application	Signal

### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	10
Packaging Method	Tube

### Product Compliance

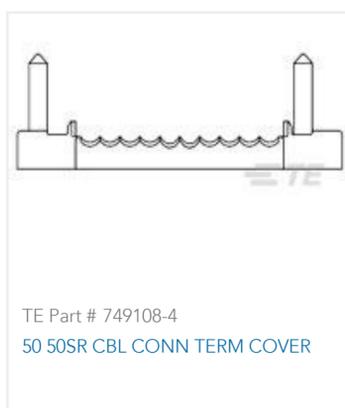
[For compliance documentation, visit the product page on TE.com>](#)

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: JAN 2025 (247) Candidate List Declared Against: JAN 2021 (211) 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



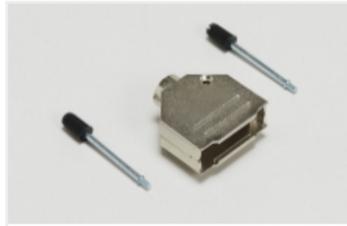
### Also in the Series | AMPLIMITE 0.50 Series



Connector Backshells(20)



Connector Caps & Covers(20)



D-Sub Backshells & Clamps(20)



Insertion & Extraction Tools(1)

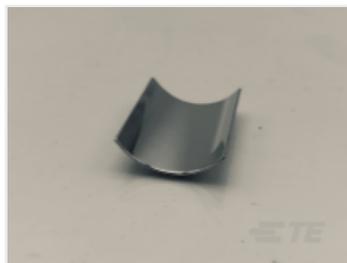


PCB D-Sub Connectors(171)

### Customers Also Bought



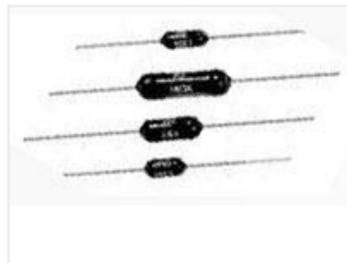
TE Part #T2040164101-000  
HE-016-MC



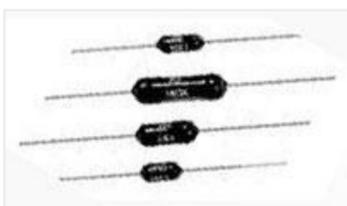
TE Part #988596-000  
AE-205



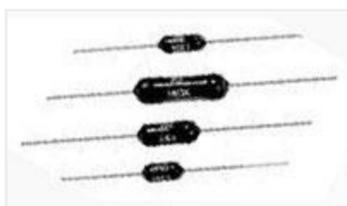
TE Part #1658611-3  
15 POS HDF PLUG, AP



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



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



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



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



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



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



TE Part #9-1415043-1  
MT78602



## Documents

### Product Drawings

[50 50SR PNL MNT PLUG ASSY, ROHS](#)

English

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### 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

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

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### Product Specifications

[Application Specification](#)

English

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### Agency Approvals

[UL](#)

English