

5749110-1 ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

TE Internal #: 5749110-1

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

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



Number of Positions: **50**

Connector & Housing Type: **Plug**

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

Connector Mounting Type: **Cable Mount (Free-Hanging)**

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

[All IDC D-Sub: Plug Assembly, Signal, 1.27 mm \(14\)](#)

## Features

### Product Type Features

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

### Configuration Features

Compatible With Wire & Cable Type	Round Jacketed Cable
Number of Rows	2
Number of Positions	50

### Body Features

	.025 in
Primary Product Color	Black

### Contact Features

Contact Underplating Material	Palladium Nickel
Contact Mating Area Plating Material	Gold or Gold Flash
Contact Base Material	Phosphor Bronze
	30 μin
Wire Contact Termination Area Plating Material	Tin



Contact Current Rating (Max)	1 A
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Contact Options	Installed
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### Termination Features

Termination Cover	Without
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Termination Method to Wire & Cable	Insulation Displacement (IDC)
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Termination Cover Method	Assembled
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Termination Cover Type	Non Lacing
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### Mechanical Attachment

Mating Retention	Without
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Connector Mounting Type	Cable Mount (Free-Hanging)
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### Housing Features

Housing Material	Nylon, Polyester
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Centerline (Pitch)	1.27 mm [.05 in]
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### Dimensions

Solid Wire Size	.05 – .1 mm <sup>2</sup>
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Compatible Insulation Diameter Range	.74 – .91 mm [.029 – .036 in]
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Compatible Insulation Diameter (Max)	.91 mm
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Wire Size	30 – 28 AWG
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### Usage Conditions

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

Shielded	No
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Circuit Application	Signal
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### Industry Standards

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

Packaging Method	Tube
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Packaging Quantity	13
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### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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 2025 (247) 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

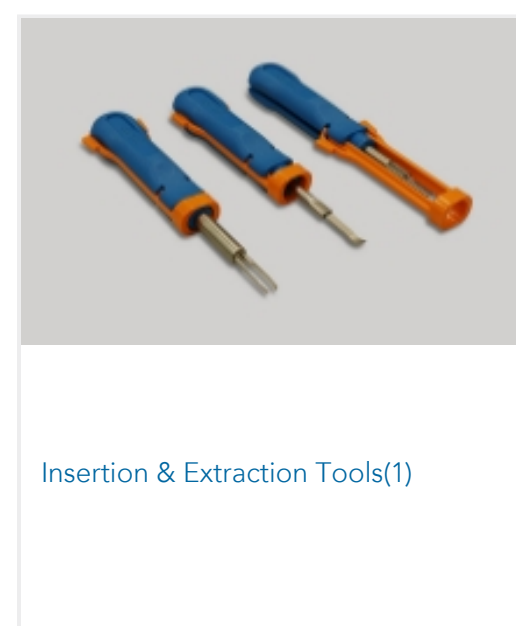
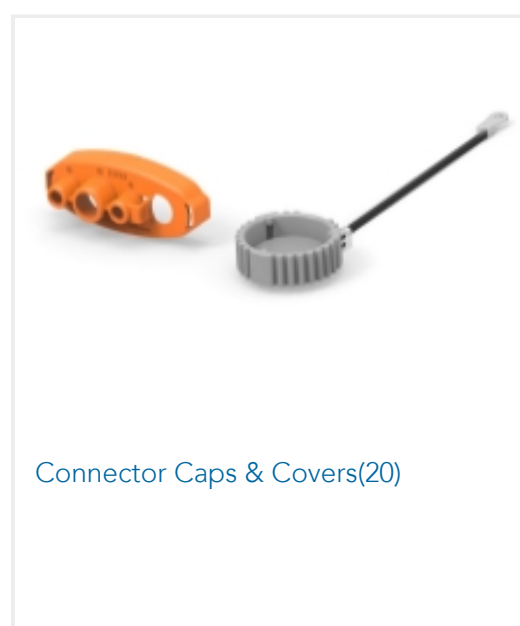
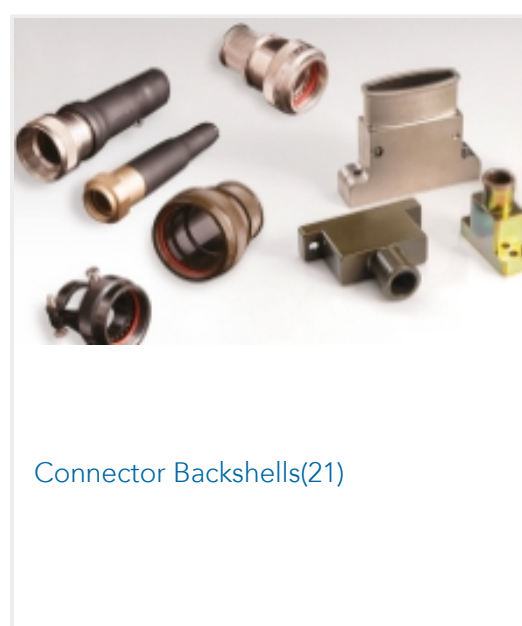
Product Compliance Disclaimer

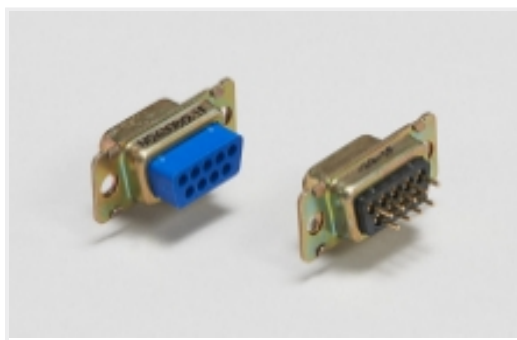
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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**



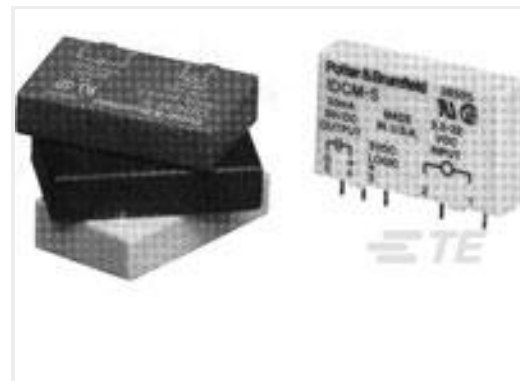
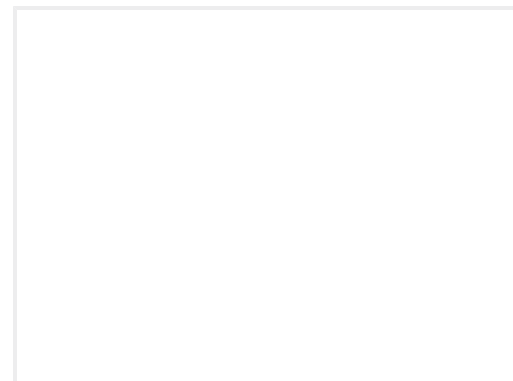


Panel Mount D-Sub Connectors(28)



PCB D-Sub Connectors(172)

## Customers Also Bought

TE Part #2388202-2  
Shield Finger, 3.8mmTE Part #5-1393028-1  
ODCM-5 = SLIM PCB MOUNT,3A,60V  
DC-DC I/pTE Part #2-1768000-2  
LBC-13027

## Documents

### Product Drawings

#### 50 50SR CABLE PLUG SUB-ASSY

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5749110-1\\_B.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5749110-1\\_B.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5749110-1\\_B.3d\\_stp.zip](#)

English

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### Product Specifications

#### Product Specification

English

### Agency Approvals

#### UL

English

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