

749611-8 ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

TE Internal #: 749611-8

IDC D-Sub Connectors, Receptacle, 30 – 28 AWG Solid Wire Size, .

05 – .1 mm<sup>2</sup> Solid Wire Size, Cable-to-Panel, 80 Position,

AMPLIMITE 0.50 Series

[View on TE.com >](#)



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



Connector & Housing Type: **Receptacle**

Solid Wire Size: **.05 – .1 mm<sup>2</sup>**

Shielded: **No**

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

[All IDC D-Sub: Receptacle Assembly, Panel Mount, Signal, 1.27 mm \(11\)](#)

## Features

### Product Type Features

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

### Configuration Features

Number of Positions	80
Number of Rows	2
Compatible With Wire & Cable Type	Ribbon Cable, Round Jacketed Cable

### Body Features

Cover Material	Thermoplastic
Ribbon Cable Centerline Spacing	.64 mm[.025 in]
Shell Plating Material	Nickel over Copper
Primary Product Color	Black

### Contact Features

Wire Contact Termination Area Plating Material	Tin-Lead
	30 μin
Contact Mating Area Plating Material	Gold or Gold Flash over Palladium Nickel



Contact Underplating Material	Nickel, Palladium Nickel
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Contact Base Material	Phosphor Bronze
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Contact Current Rating (Max)	1 A
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### Termination Features

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

Mounting Feature Plating Material	Nickel over Copper
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Mounting Feature Material	Zinc
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Mating Retention	Without
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Mating Retention Type	Rails
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Thread Size	2-56
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Connector Mounting Type	Panel Mount
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### Housing Features

Shell Material	Steel
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Housing Material	Thermoplastic
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Centerline (Pitch)	1.27 mm[.05 in]
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### Dimensions

Compatible Insulation Diameter (Max)	.91 mm
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Compatible Insulation Diameter Range	.74 – .89 mm[.029 – .036 in]
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Solid Wire Size	.05 – .1 mm <sup>2</sup>
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Wire Size	.05 – .09 mm <sup>2</sup>
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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 Quantity	7
Packaging Method	Box & Tube, Tube

### 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 2023 (235) Candidate List Declared Against: JUNE 2022 (224) SVHC > Threshold: Pb (13% in Component Part) <b>Article Safe Usage Statements:</b> 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	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>

### Also in the Series | AMPLIMITE 0.50 Series



Connector Backshells(31)



D-Sub Covers(20)



D-Sub Locking & Mounting(8)



IDC D-Sub Connectors(66)



Insertion &amp; Extraction Tools(1)



PCB D-Sub Connectors(172)

## Customers Also Bought

TE Part #206070-8  
CABLE CLAMP KIT #17TE Part #DT04-2P  
REC, 2P, GRY, NTE Part #DT06-2S  
PLG, 2P, GRY, NTE Part #W2P  
Wedgelocks: DEUTSCH DTTE Part #0462-201-16141  
DEUTSCH Solid ContactsTE Part #282080-1  
AMP SUPERSEAL 1.5MM,  
CONNECTOR HOUSINGTE Part #281934-2  
SINGLE WIRE SEAL

## Documents

### Product Drawings

#### 80 50SR PANEL MOUNT RCPT

English

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_749611-8\\_T.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_749611-8\\_T.3d\\_stp.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_749611-8\\_T.2d\\_dxf.zip](#)

English

### 3D PDF

English

### 3D PDF



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_749611-8\\_N.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_749611-8\\_N.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_749611-8\\_N.3d\\_stp.zip](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Agency Approvals

[UL](#)

English