

749621-2 ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

TE Internal #: 749621-2

IDC D-Sub Connectors, Plug, 30 – 28 AWG Solid Wire Size, .05 – .1 mm<sup>2</sup> Solid Wire Size, Shielded, Cable-to-Cable, 26 Position, AMPLIMITE 0.50 Series

[View on TE.com >](#)



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



Connector & Housing Type: **Plug**

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

Shielded: **Yes**

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

[All IDC D-Sub: Connector Kit, Plug, Signal, 1.27 mm \(21\)](#)

## Features

### Product Type Features

Rails	Without
Connector & Housing Type	Plug
Connector System	Cable-to-Cable
Connector Product Type	Connector Kit
Sealable	No
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Number of Positions	26
Number of Rows	2
Compatible With Wire & Cable Type	Round Jacketed Cable

### Body Features

Color	Black
	.025 in
Cover Material	Thermoplastic
Plug Shell Plating Material	Tin-Nickel Alloy
Plug Shell Material	Steel
Shell Material	Steel
Shell Plating Material	Tin over Copper



### Contact Features

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

### Termination Features

Termination Cover Type	Standard
Termination Cover Method	Unassembled
Termination Cover	Without
Termination Method to Wire & Cable	Insulation Displacement (IDC)

### Mechanical Attachment

Mating Connector Lock	Without
Mounting Angle	None
Panel Mount Feature	Without
PCB Mount Retention Type	None
Detent	With
Connector Mounting Type	Cable Mount (Free-Hanging)

### Housing Features

Housing Material	Thermoplastic
Housing Color	Black
Centerline (Pitch)	1.27 mm [.05 in]

### Dimensions

Insulation Diameter (Max)	.91 mm
Accepts Wire Insulation Diameter Range	.74 mm [.029 – .036 in]
Solid Wire Size	.05 – .1 mm <sup>2</sup>
Wire Size	.05 – .09 mm <sup>2</sup>

### Usage Conditions

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



Shielded	Yes
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Circuit Application	Signal
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### Industry Standards

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

Packaging Method	Box
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Packaging Quantity	21
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### Other

Comment	Plug connector requires backshell kit for complete assembly
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## Product Compliance

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

EU RoHS Directive 2011/65/EU	Not Compliant
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EU ELV Directive 2000/53/EC	Compliant with Exemptions
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	<p>Current ECHA Candidate List: JUNE 2022 (224)</p> <p>Candidate List Declared Against: JUNE 2022 (224)</p> <p>SVHC &gt; Threshold:</p> <p>Pb (13% in Component Part)</p> <p><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.</p>
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Not applicable for solder process capability
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#### 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 # 853240-1  
STD PLUG & RECPT HOLDER 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)

## Documents

### Product Drawings

26 50S CABLE PLUG CONN/COV KIT

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_749621-2\\_W.2d\\_dxf.zip](#)

English

### 3D PDF

English

Customer View Model

[ENG\\_CVM\\_749621-2\\_W.3d\\_igs.zip](#)

English



### Customer View Model

[ENG\\_CVM\\_749621-2\\_W.3d\\_stp.zip](#)

English

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

### Product Specifications

[Application Specification](#)

English

### Instruction Sheets

[Customer Manual \(U.S.\)](#)

English

### Agency Approvals

[UL](#)

English