

1-5750913-9 ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

TE Internal #: 1-5750913-9

IDC D-Sub Connectors, Plug, 30 – 28 AWG Solid Wire Size, .05 – .1 mm<sup>2</sup> Solid Wire Size, Shielded, 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-Board, 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-Board, Cable-to-Cable
Connector Product Type	Connector Kit
Sealable	No
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Number of Positions	100
Number of Rows	2
Compatible With Wire & Cable Type	Round Jacketed Cable

### Body Features

Color	Gray
	.025 in
Cover Material	Polyester



Plug Shell Plating Material	Tin-Nickel Alloy
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Plug Shell Material	Steel
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Shell Material	Carbon Steel
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Shell Plating Material	Tin over Copper
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### Contact Features

	30 μin
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Contact Mating Area Plating Material	Gold, Gold Flash over Palladium Nickel
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Contact Underplating Material	Nickel, Palladium Nickel
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PCB Contact Termination Area Plating Material	Tin
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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 Type	Standard
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Termination Cover Method	Assembled
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Termination Cover	With
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Termination Method to Wire & Cable	Insulation Displacement (IDC)
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### Mechanical Attachment

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

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

Insulation Diameter (Max)	.79 mm
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Accepts Wire Insulation Diameter Range	.74 – .79 mm [.029 – .031 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	Yes
Circuit Application	Signal

### Industry Standards

UL Flammability Rating	UL 94V-0
Cover Flammability Rating	UL 94V-0

### Packaging Features

Packaging Method	Kit
Packaging Quantity	7

### 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	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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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



TE Part # CAT-020-ADRV127  
AMPLIMITE D-Sub Receptacle  
Assembly: Vertical, 1.27mm



TE Part # CAT-018-DRARA127  
D-Sub Receptacle Assembly: Right  
Angle, 1.27mm



TE Part # CAT-020-DRAVAP127  
D-Sub Receptacle Assembly: Vertical,  
Action Pin, 1.27mm



TE Part # 5749081-1  
100 50SR BSHLL KIT,M J-SCR



TE Part # 5-749877-9  
100 50SR PANEL MOUNT RCPT, ROHS



TE Part # 5749109-7  
100 50SR CABLE PLUG SUB-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**  
**100 50SR CABLE CONN KIT**

English



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### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-5750913-9\\_O.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-5750913-9\\_O.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-5750913-9\\_O.3d\\_stp.zip](#)

English

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

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### Datasheets & Catalog Pages

[AMPLIMITE Subminiature D Connectors - .050 Series Connector](#)

English

[AMPLIMITE .050 Series D-sub Connectors QRG](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Product Environmental Compliance

[MD\\_1-5750913-9\\_08042011438](#)

English

[MD\\_1-5750913-9\\_08042011438](#)

English

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### Instruction Sheets

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

English

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### Agency Approvals

[UL](#)

English