

749810-9 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HDE

TE Internal #: 749810-9

IDC D-Sub Connectors, Plug, 26 – 22 AWG Solid Wire Size, .13 – .32 mm<sup>2</sup> Solid Wire Size, Shielded, Cable-to-Cable, 25 Position, AMPLIMITE HDE

[View on TE.com >](#)



Connectors > D-Shaped Connectors > D-Sub Connectors > IDC D-Sub Connectors > IDC D-Sub: Connector Kit, Plug, Wire to Wire, Signal, 2.77 mm



Connector & Housing Type: **Plug**

Solid Wire Size: **.13 – .32 mm<sup>2</sup>**

Shielded: **Yes**

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

[All IDC D-Sub: Connector Kit, Plug, Wire to Wire, Signal, 2.77 mm \(17\)](#)

## Features

### Product Type Features

Grade	Standard
Grounding Indents	With
Cable Support Gate Material	Polypropylene
Grommets	With
Shell Type	Full Metal Shell
Connector & Housing Type	Plug
Connector System	Cable-to-Cable
Connector Product Type	Connector Kit
D-Sub Shell Size	3
Sealable	No
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Number of Positions	25
Number of Rows	2
Compatible With Wire & Cable Type	Round Jacketed Cable

### Body Features

Strain Relief Clip Material	Stainless Steel
Body Material	Polypropylene



Cable Exit Angle	180°
Retainer Clip Material	Stainless Steel
Shell Material	Steel
Shell Plating Material	Tin over Copper
Cable Clamp Type	One-Piece Quick Snap

### Contact Features

Contact Type	Pin
Contact Mating Area Plating Material	Gold Flash
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass, Phosphor Bronze
D-Sub Contact Size	20
Contact Current Rating (Max)	1.5 A, 2.4 A

### Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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### Mechanical Attachment

Mating Connector Lock	With
Mounting Screw Plating Material	Zinc
Mounting Angle	Straight
Mating Connector Lock Type	Mounting Holes
Mounting Screw Material	Steel
Screw Plating Material	Zinc
Screws and Retainer Clips	With
Screw Material	Steel
PCB Mount Retention Type	None
Screw & Hole Thread Size	4-40
Connector Mounting Type	Cable Mount (Free-Hanging)

### Housing Features

Housing Material	Nylon GF, Polyester GF
Housing Color	Black
Enclosure	With
Centerline (Pitch)	2.77 mm [.109 in]

### Dimensions



Cable Insulation Diameter Range	6.48 – 11.94 mm [.255 – .47 in]
Solid Wire Size	.13 – .32 mm <sup>2</sup>
Wire Size	.15 – .4 mm <sup>2</sup>

### 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
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### Packaging Features

Packaging Method	Package
Packaging Quantity	1

### 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: JAN 2020 (205) 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

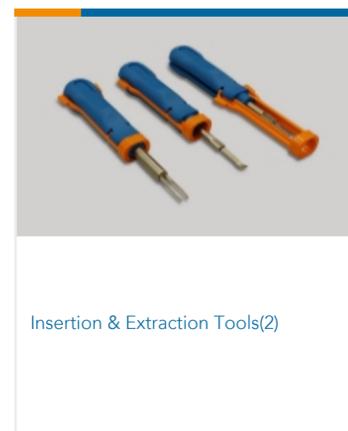
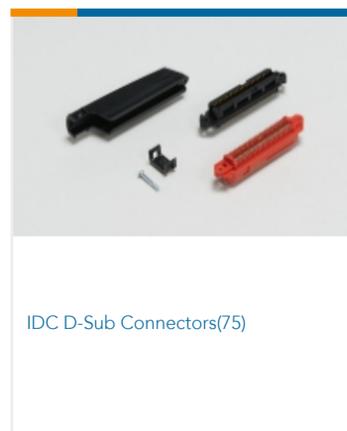
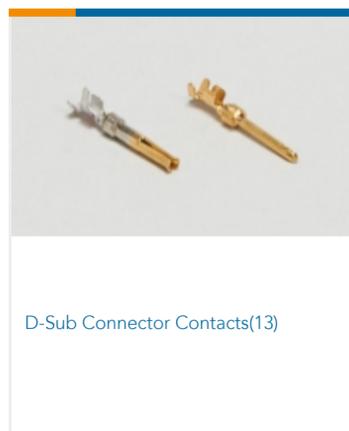
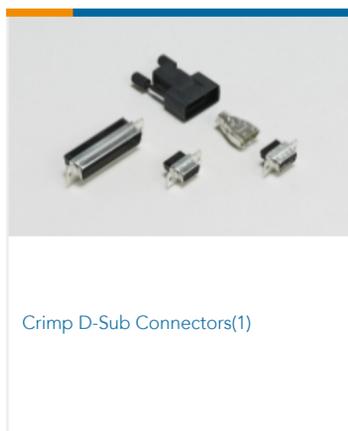
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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



## Documents

### Product Drawings

[KIT SZ 1, HDE PLUG, LEAD FREE](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_749810-9\\_H.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_749810-9\\_H.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_749810-9\\_H.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

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**Instruction Sheets**

[Instruction Sheet \(U.S.\)](#)

English

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**Agency Approvals**

[UL Report](#)

English