



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: **26 – 22 AWG**

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

Connector & Housing Type	Plug
Connector System	Cable-to-Cable
Connector Product Type	Connector Kit
Connector Shell Size	3
Connector & Contact Terminates To	Wire & Cable
Ground Feature Type	Grounding Indents
Shell Material Configuration	Front Metal Shell

Dimensions

Solid Wire Size	26 – 22 AWG
Wire Size	.15 – .4 mm²
Accepts Cable Insulation Diameter Range	5.51 – 11.05 mm[.217 – .435 in]
Compatible Insulation Diameter Range	1.52 mm[.06 in]
Accepts Cable Diameter (Max)	11.05 mm[.435 in]



Operation/Application

Shielded	Yes
Circuit Application	Signal

Configuration Features

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

Housing Features

Centerline (Pitch)	2.77 mm[.109 in]
Shell Material	Steel

Contact Features

Contact Size	Size 20
Contact Current Rating (Max)	5 A
Contact Underplating Material	Nickel
Wire Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Options	Installed
Contact Mating Area Plating Material	Gold
Contact Base Material	Phosphor Bronze
Contact Type	Pin

Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
Mating Retention Type	Jackscrew
Thread Size	4-40
Mating Retention	With
Wire Insulation Support	With

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Body Features



Shield Plating Material	Tin
Insert Material	Thermoplastic
Shield Material	Steel
Shell Plating Material	Tin
Cable Exit Angle	180°
Mating Retention Feature Material	Zinc Alloy

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	1
Packaging Method	Package

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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-023-DRARS3277
D-Sub Receptacle Assembly: Right Angle, Shell Size 3, 2.77mm

TE Part # CAT-025-DRAVS3277
D-Sub Receptacle Assembly: Vertical, Shell Size 3, 2.77mm

TE Part # CAT-AM7-248H5
IDC D-Sub: Receptacle Assembly, Wire to Wire, Signal, 2.77 mm

TE Part # CAT-AM7-253
IDC D-Sub: Receptacle Assembly, Low Profile, Signal, 2.77 mm

TE Part # CAT-AM7-248H6
IDC D-Sub: Receptacle Kit, Wire to Wire, Signal, 2.74 mm

TE Part # 58074-1
MTA 50/100/156 MANUAL TOOL FRAME

TE Part # CAT-026-RAVSAP3277
D-Sub Receptacle Assembly: Vertical, Action Pin, Shell Size 3, 2.77mm

TE Part # 7-1393740-2
V42254A2216B225=SUB D FEDERLEI

TE Part # 8-1393480-3
V23529B1223B225=SUB D FEDERLEI

TE Part # 3-1393480-0
V23529B1122B225=SUB D FEDERLEI

TE Part # 9-1393480-2
V23529B1224B225=SUB D FEDERLEI

TE Part # 747548-8
KIT,RCPT,25P,HDE,SHLD HDWRE

TE Part # 1-1393480-9
V23529B1121B225=SUB D FEDERLEI

TE Part # 608868-1
HDE HT PKG FOR SUB D

TE Part # 7-338315-2
25POS.HD20 REC.ASSY

TE Part # 8-338315-2
25P.HDP20 REC.ASSY

TE Part # 9-338315-2
25POS.HD20 REC.ASSY



Also in the Series | **AMPLIMITE HDE**

Connector Contacts(13)	Crimp D-Sub Connectors(1)	IDC D-Sub Connectors(74)	Insertion & Extraction Tools(2)

Customers Also Bought

TE Part #1658678-1 KIT,HDP-22,ENCLSUR,PLUG,SIZE 1	TE Part #1658670-2 PIN CONTACT,22-28 AWG, 22 DF, AMPLIMITE	TE Part #812875-000 TXR40AB90-1812BI	TE Part #950825-000 TXR40AB90-2210AI
TE Part #1-320551-3 TERMINAL,PIDG R IR 20 8	TE Part #BJE42 MODULE ASSY	TE Part #ER6593-000 D-436-37CS9376	TE Part #5039304153 DR-25-1/2-0-CS-34034

Documents

Product Drawings

[KIT,PLUG,25P,HDE,SHLD ENCLSRE](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-747948-6_N_c-1-747948-6-n.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-747948-6_N_c-1-747948-6-n.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-747948-6_N_c-1-747948-6-n.3d_stp.zip](#)



English

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Datasheets & Catalog Pages

AMPLIMITE Subminiature D Connectors - Cable Connectors

English

AMPLIMITE Cable Connectors and Shielding Hardware Kits QRG

English

Product Specifications

Application Specification

English

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English

Agency Approvals

UL Report

English