



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	1
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	4.83 – 9.53 mm[.19 – .375 in]
Compatible Insulation Diameter Range	1.52 mm[.06 in]
Accepts Cable Diameter (Max)	9.53 mm[.375 in]



Operation/Application

Shielded	Yes
Circuit Application	Signal

Configuration Features

Number of Positions	9
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
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Wire Contact Termination Area Plating Material	Tin
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>

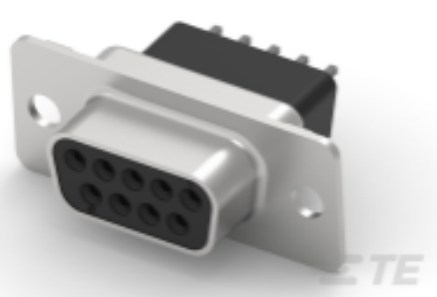
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does 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-AM7-248H6 IDC D-Sub: Receptacle Kit, Wire to Wire, Signal, 2.74 mm	 TE Part # CAT-023-DRARS1274 D-Sub Receptacle Assembly: Right Angle, Shell Size 1, 2.74mm	 TE Part # CAT-AM7-253 IDC D-Sub: Receptacle Assembly, Low Profile, Signal, 2.77 mm	 TE Part # CAT-025-DRAVS1274 D-Sub Receptacle Assembly: Vertical, Shell Size 1, 2.74mm
 TE Part # CAT-AM7-248H8 IDC D-Sub: Receptacle Assembly, Wire to Wire, Signal, 2.74 mm	 TE Part # 747516-7 09 HDE PMOLD RCPT, LEAD FREE	 TE Part # 58074-1 MTA 50/100/156 MANUAL TOOL FRAME	 TE Part # 5745183-1 09 RCPT SP/MS STD
 TE Part # 5745183-3 09 RCPT SP/MS STD	 TE Part # CAT-979-DRARE274 D-Sub Receptacle Assembly: Eurostyle, Right Angle, 2.74mm	 TE Part # CAT-026-RAVSAP1274 D-Sub Receptacle Assembly: Vertical, Action Pin, Shell Size 1, 2.74mm	 TE Part # 2-1393480-8 V23529B1122B209=SUB D FEDERLEI
 TE Part # 8-1393483-7 V42254A2115B209=SUB D FEDERLEI	 TE Part # 608868-1 HDE HT PKG FOR SUB D	 TE Part # 7-338313-2 9POS.HD-20 REC.ASSY	 TE Part # 8-338313-2 9POS.HD-20 REC.ASSY
 TE Part # 9-338313-2 9POS.HD-20 REC.ASSY	 TE Part # 2-1393740-8 V42254A2214B209=SUB D FEDERLEI		



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 #66505-9 SOCKET CONTACT, 20 DF	 TE Part #1-1419106-9 27E487=SOCKET,K10,8,SCW,PHEN,G	 TE Part #104480-9 SHORT POINT RECP CONT LP	 TE Part #2-928343-8 STD-TIMER GEH 8P
 TE Part #170361-1 UNIV M-N-L SOC. 26-22 AWG	 TE Part #625008-000 D-129-03	 TE Part #1-747562-0 OVRMLD,RCPT ASSY,37P,HDE	 TE Part #2275011-4 ASSY,EN3660-004, SS-PA BACKSHELL, SZ14
 TE Part #747546-9 OVRMLD,RCPT ASSY,25P,HDE			

Documents

Product Drawings
09 SHLDG ENCL PLUG,LEAD FREE
English

CAD Files
3D PDF
3D



Customer View Model

[ENG_CVM_CVM_1-747944-5_R_c-1-747944-5-r.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-747944-5_R_c-1-747944-5-r.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-747944-5_R_c-1-747944-5-r.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](#)

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Product Specifications

[Application Specification](#)

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Instruction Sheets

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

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Agency Approvals

[UL Report](#)

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