



Connectors > D-Shaped Connectors > D-Sub Connectors > IDC D-Sub Connectors > IDC D-Sub: Plug Assembly, Low Profile, Signal, 2.77 mm



Connector & Housing Type: **Plug**

Solid Wire Size: **28 – 26 AWG**

Shielded: **No**

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

[All IDC D-Sub: Plug Assembly, Low Profile, Signal, 2.77 mm \(17\)](#)

Features

Product Type Features

Shell Material Configuration	Front Metal Shell
Ground Feature Type	Grounding Indents
Connector & Housing Type	Plug
Connector System	Cable-to-Cable
Connector Product Type	Connector Assembly
Connector Shell Size	1
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	9
Number of Rows	2
Compatible With Wire & Cable Type	Ribbon Cable

Body Features

Cover Material	Thermoplastic
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Ribbon Cable Centerline Spacing	1.27 mm[.05 in]
Mating Retention Feature Material	Steel
Shell Plating Finish	Bright
Cable Exit Angle	180°
Shell Plating Material	Tin
Connector Profile	Low

Contact Features

Contact Options	Installed
Contact Type	Pin
Wire Contact Termination Area Plating Material	Tin
Contact Underplating Material	Nickel
Contact Base Material	Phosphor Bronze
Contact Size	Size 20
Contact Current Rating (Max)	1.25 A

Termination Features

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

Mating Retention Feature Plating Material	Zinc
Mating Retention	With
Mating Retention Type	Threaded Insert, 4-40 UNC
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Shell Material	Steel
Housing Material	Thermoplastic
Centerline (Pitch)	2.77 mm[.055 in]

Dimensions

Accepts Cable Insulation Diameter Range	.81 – .97 mm[.032 – .038 in]
Solid Wire Size	28 – 26 AWG
Wire Size	.08 – .15 mm²

Usage Conditions

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

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Circuit Application	Signal
Shielded	No

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	40
Packaging Method	Tube

Product Compliance

For compliance documentation, visit the product page on TE.com>

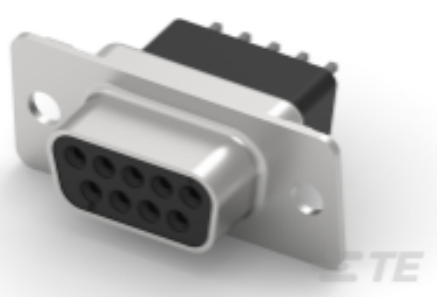
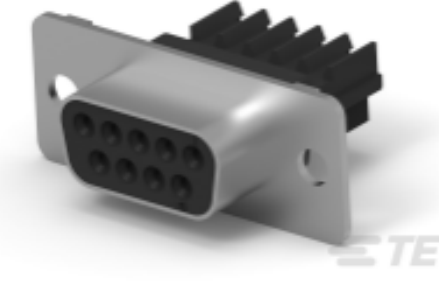
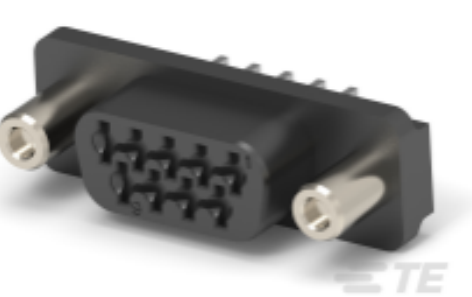
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does 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 # 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 # 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 # 768340-1 UNIV HAND TOOL KIT AMPLATCH
 TE Part # 2-1393740-8 V42254A2214B209=SUB D FEDERLEI			

Also in the Series | **AMPLIMITE HDF**



Connector Hardware(3)



Connector Strain Relief(5)



IDC D-Sub Connectors(36)

Customers Also Bought



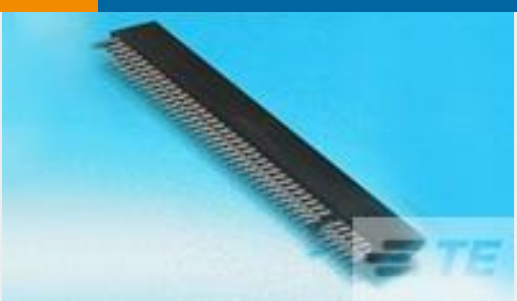
TE Part #6609036-7
6VSK7=F7240 S0



TE Part #747872-8
15 PLUG SP/FMS INSRT



TE Part #2-1623728-6
BCHE 11 W 680R 5%



TE Part #5532600-4
CONN SEC II 31 POS 100 C/L R/A



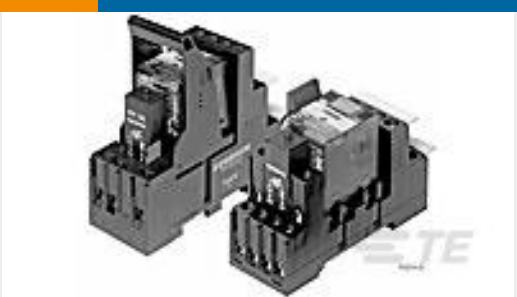
TE Part #1-104482-3
30 SHORT PT RCPT HSG DR .100CL



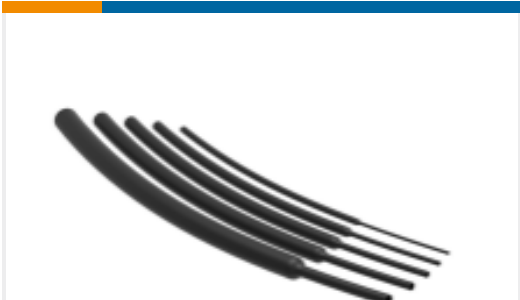
TE Part #2-1375820-4
CST-100 II HOUSING 24 POS



TE Part #8-146250-6
72 MODII HDR DRST B/A .100CL



TE Part #1415366-1
PT5S7SB5



TE Part #EL91232001
VERSAFIT-3/64-0-STK

Documents

Product Drawings

09 POS HDF PLUG, MS, LEAD FREE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1658613-4_A.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_1658613-4_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1658613-4_A.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

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Agency Approvals

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