



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



Connector & Housing Type: **Receptacle**

Solid Wire Size: .1 – .13 mm²

Shielded: **No**

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

[All IDC D-Sub: Receptacle Assembly, Low Profile, Signal, 2.77 mm \(19\)](#)

Features

Industry Standards

UL Flammability Rating	UL 94V-0
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Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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Body Features

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

Packaging Features

Packaging Quantity	40
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Packaging Method	Tube
Mechanical Attachment	
Mating Retention Type	Threaded Insert, 4-40 UNC
Mating Retention Feature Plating Material	Zinc
Mating Retention	With
Connector Mounting Type	Cable Mount (Free-Hanging)
Contact Features	
Contact Underplating Material	Nickel
	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	Socket
Contact Size	Size 20
Contact Current Rating (Max)	1.25 A
Housing Features	
Housing Material	Thermoplastic
Shell Material	Steel
Centerline (Pitch)	2.77 mm[.055 in]
Operation/Application	
Circuit Application	Signal
Shielded	No
Dimensions	
Accepts Cable Insulation Diameter Range	.81 – .97 mm[.032 – .038 in]
Solid Wire Size	.1 – .13 mm²
Wire Size	28 – 26 AWG
Product Type Features	
Shell Material Configuration	Front Metal Shell
Connector & Housing Type	Receptacle
Connector System	Cable-to-Cable
Connector Product Type	Connector Assembly



Connector Shell Size	3
Connector & Contact Terminates To	Wire & Cable

Configuration Features

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

Usage Conditions

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

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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-025-DPAVS3274 D-Sub Plug Assembly: Vertical, Shell Size 3, 2.74mm	TE Part # 5788795-1 25 HTMSFL PLUG RA 318 (SL,BL)	TE Part # 7-338311-2 25POS.HD20 PLUG ASS	TE Part # 768340-1 UNIV HAND TOOL KIT AMPLATCH
TE Part # CAT-023-DPARS3274 D-Sub Plug Assembly: Standard, Right Angle, Shell Size 3, 2.74mm	TE Part # CAT-AM7-H3 IDC D-Sub: Plug Assembly, Low Profile, Signal, 2.77 mm	TE Part # CAT-AM7-248H3 IDC D-Sub: Plug Assembly, Wire to Wire, Signal, 2.77 mm	TE Part # CAT-AM7-248H4 IDC D-Sub: Connector Kit, Plug, Wire to Wire, Signal, 2.77 mm

Also in the Series | [AMPLIMITE HDF](#)

Connector Hardware(3)	Connector Strain Relief(5)	IDC D-Sub Connectors(36)

Customers Also Bought

TE Part #T4110002031-000 M12,FEMALE,STRAIGHT,A CODE,3P, PG9,GOLD	TE Part #T4010008041-000 M8,SCREW, FEMALE,S,UNSHIELD,4P, GOLD	TE Part #T4130012031-000 M12,REAR MOUNT,MALE,A,3P, SOLDER WIRE	TE Part #T4030014041-000 M8.MLE.PNLREAR.4POS.STR.



TE Part #2-111446-0
026 UNIV I/O 30DP NO EARS

TE Part #2-2106003-2
Connector, SMT-IDC, 2 position, 22AWG

TE Part #4-1879336-1
CPF 0603 604R 1% 50PPM 1K RL

TE Part #3-1393253-5
W68-X2Q12-25=M6/M7/M9/W6/W7

TE Part #2321342-6
TAB0.5X0.4,NANO MS, NANOMULTISPRING INDIU

TE Part #7-1393132-2
P40P42A12P1-240=CONTACTORS

Documents

Product Drawings

25 POS HDF RCPT, MS, LEAD FREE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1658612-2_O.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1658612-2_O.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1658612-2_O.3d_stp.zip

English

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

Datasheets & Catalog Pages

AMPLIMITE Subminiature D Connectors - Cable Connectors

English

AMPLIMITE Cable Connectors and Shielding Hardware Kits QRG

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Product Specifications

Product Specification

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Product Specification

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Agency Approvals

CSA Certificate

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