



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



Number of Positions: 25

Connector & Housing Type: Receptacle

Connector System: Cable-to-Cable

Connector Mounting Type: Cable Mount (Free-Hanging)

Connector Shell Size: 3

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

Features

Product Type Features

Connector Product Type	Connector Assembly
Shell Material Configuration	Front Metal Shell
Connector & Housing Type	Receptacle
Connector System	Cable-to-Cable
Connector Shell Size	3
Connector & Contact Terminates To	Wire & Cable

Configuration Features

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

Body Features

Shell Plating Finish	Bright
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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

Contact Features

Contact Underplating Material	Nickel
Contact Size	Size 20
	30 μin
Wire Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Phosphor Bronze
Contact Type	Socket
Contact Current Rating (Max)	1.25 A
Contact Options	Installed

Termination Features

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

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

Housing Features

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

Dimensions

Accepts Cable Insulation Diameter Range	.81 – .97 mm[.032 – .038 in]
Solid Wire Size	.1 – .13 mm²
Wire Size	28 – 26 AWG

Usage Conditions

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

Shielded	No
Circuit Application	Signal

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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 # CAT-AM7-248H3
IDC D-Sub: Plug Assembly, Wire to Wire, Signal, 2.77 mm

TE Part # 7-338311-2
25POS.HD20 PLUG ASS

TE Part # CAT-AM7-H3
IDC D-Sub: Plug Assembly, Low Profile, Signal, 2.77 mm

TE Part # CAT-023-DPARS3274
D-Sub Plug Assembly: Standard, Right Angle, Shell Size 3, 2.74mm

TE Part # 768340-1
UNIV HAND TOOL KIT AMPLATCH

Also in the Series | **AMPLIMITE HDF**

Connector Hardware(3)

Connector Strain Relief(5)

D-Shaped Connectors(36)

IDC D-Sub Connectors(36)

Customers Also Bought

TE Part #1658612-1
37 POS HDF RCPT, MS, LEAD FREE

TE Part #5-208744-5
AMPLIMITE,ASY,PLUG,36C4,CS,5

TE Part #DRC10-40P-A004
HDR, 40P, BLK, ST, PIN, SN/NI/CU

TE Part #5053052016
RNF-100-3/16-2-STK

TE Part #1SNA115141R1000
M35/26.F

TE Part #6-1676915-2
YR1 0.1% 11K3

TE Part #1761842-1
CONNECTOR ASSY, 60 DUAL POSITI

TE Part #1658613-1
37 POS HDF PLUG, MS, LEAD FREE



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

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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

Product Specification

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Product Specification

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Agency Approvals

CSA Certificate

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