



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



Number of Positions: 50
Connector & Housing Type: Receptacle
Connector System: Cable-to-Cable
Connector Mounting Type: Cable Mount (Free-Hanging)
Connector Shell Size: 5

[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	5
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Compatible With Wire & Cable Type	Ribbon Cable
Number of Rows	3
Number of Positions	50

Body Features

Shell Plating Finish	Bright
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Cover Material	Thermoplastic
Shell Plating Material	Tin
Cable Exit Angle	90°
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
Wire Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
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
Thread Size	4-40 UNC 2B
Mating Retention	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	Thermoplastic
Shell Material	Steel
Centerline (Pitch)	1.38 mm[.054 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

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	32
Packaging Method	Tray

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-246-DPARS5274
D-Sub Plug Assembly: Right Angle, Shell Size 5, 2.74mm

TE Part # 1658595-1
50 PLUG RA/MS STD (SL)

TE Part # 746785-1
50 POS STR RLF, LOW PROFILE

TE Part # CAT-025-DPAVS5274
D-Sub Plug Assembly: Vertical, Shell Size 5, 2.74mm

TE Part # 1658607-1
50 POS HDF PLUG, MS, LEAD FREE

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 #1838891-3
M12 Mtl FEMALE PNL CONN. Sldr Rear (Hex)

TE Part #2435261-7
HCP20A, Hvy Force, 0.187 Term. Ext LVR

TE Part #5-2176345-3
CRGQ 1210 220K 1%

TE Part #7-2176091-9
RP 2A 0.25W 392R 0.1% 25PPM 1K RL

TE Part #280375-1
15P AMPMODU II SHRD HDR, ST, TIN

TE Part #DTM04-08PA-E003
REC, 8P, GRY, N, CAP, A

TE Part #8-1879028-7
RN 0805 422K 0.1% 10PPM 1K RL

TE Part #929964-1
STIFTKONTAKT 2,5MMD



Documents

Product Drawings

50 POS HDF RCPT, MS, LEAD FREE

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_1658606-1_A1.2d_dxf.zip

English

Customer View Model

ENG_CVM_1658606-1_A1.3d_igs.zip

English

Customer View Model

ENG_CVM_1658606-1_A1.3d_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

English

Product Specifications

Product Specification

English

Product Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

CSA Certificate



English