



Connectors > D-Shaped Connectors > D-Sub Connectors > IDC D-Sub Connectors > IDC D-Sub: Receptacle Assembly, Wire to Wire, Signal, 2.77 mm



Connector & Housing Type: **Receptacle**

Solid Wire Size: **22 – 20 AWG**

Shielded: **Yes**

Connector System: **Wire-to-Wire**

Number of Positions: **25**

[All IDC D-Sub: Receptacle Assembly, Wire to Wire, Signal, 2.77 mm \(10\)](#)

Features

Product Type Features

Grade	Standard
Grounding Indents	Without
Shell Type	Full Metal Shell
Connector & Housing Type	Receptacle
Connector System	Wire-to-Wire
Connector Product Type	Connector Assembly
D-Sub Shell Size	3
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	25
Number of Rows	2
Compatible With Wire & Cable Type	Discrete Wire, Round Jacketed Cable

Body Features

Color	Black
Shell Material	Steel
Insert Material	Thermoplastic
Shell Plating Material	Tin



Contact Features

Contact Type	Socket
	30 µin
D-Sub Contact Size	20
Contact Current Rating (Max)	3 A

Mechanical Attachment

Mating Connector Lock	With
Mounting Angle	Straight
Mating Connector Lock Type	Mounting Holes
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Enclosure	Without
Centerline (Pitch)	2.77 mm [.055 in]

Dimensions

Solid Wire Size	22 – 20 AWG
Wire Size	.4 – .6 mm ²

Usage Conditions

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

Shielded	Yes
Circuit Application	Signal

Industry Standards

Insert Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Package
Packaging Quantity	84

Other

Comment	Connectors can be made available with clinch nuts, contact AMP Incorporated, HDE connectors are designed for terminating solid or stranded (7-strand
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max.) wire., Individual conductor strands should be larger than 0.127 in. [.005] diameter.

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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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 # 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



TE Part # 5788795-1
25 HTMSFL PLUG RA 318 (SL,BL)



TE Part # 58074-1
MTA 50/100/156 MANUAL TOOL FRAME



TE Part # 5745173-1
CABLE CLAMP KIT,SZ 3



TE Part # 5748678-3
2 PC PLST CBL CLMP KIT



TE Part # 745530-3
25 POS COVER KIT



TE Part # 745488-1
25 HDE MS PLUG SUB-ASSY



TE Part # 206509-1
SIZE 20 KEYING PLUG



TE Part # 608868-1
HDE HT PKG FOR SUB D



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

Also in the Series | **AMPLIMITE HDE**



Crimp D-Sub Connectors(1)



D-Sub Connector Contacts(13)



IDC D-Sub Connectors(75)



Insertion & Extraction Tools(2)

Documents

Product Drawings

25 HDE MS RCPT,20-22,LEAD FREE

English

CAD Files

3D PDF

3D

Customer View Model



[ENG_CVM_CVM_1-745495-9_P.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-745495-9_P.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-745495-9_P.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

[Application Specification](#)

English

Instruction Sheets

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

English

Agency Approvals

[UL Report](#)

English