



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



Number of Positions: 9

Connector & Housing Type: Plug

Connector System: Wire-to-Wire

Connector Mounting Type: Cable Mount (Free-Hanging)

Connector Shell Size: 1

[All IDC D-Sub: Plug Assembly, Wire to Wire, Signal, 2.77 mm \(20\)](#)

Features

Product Type Features

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

Configuration Features

Compatible With Wire & Cable Type	Discrete Wire, Round Jacketed Cable
Number of Rows	2
Number of Positions	9

Body Features

Shell Plating Material	Tin
Cable Exit Angle	180°
Insert Material	Thermoplastic

Contact Features

Contact Size	Size 20
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	30 µin
Contact Type	Pin
Wire Contact Termination Area Plating Material Finish	Matte
Contact Current Rating (Max)	2.4 A
Contact Options	Installed

Termination Features

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

Mating Retention	With
Mating Retention Type	Mounting Holes
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Shell Material	Steel
Centerline (Pitch)	1.38 mm[.054 in]

Dimensions

Solid Wire Size	22 – 20 AWG
Wire Size	22 – 20 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 Method	Package
Packaging Quantity	140

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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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: 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>

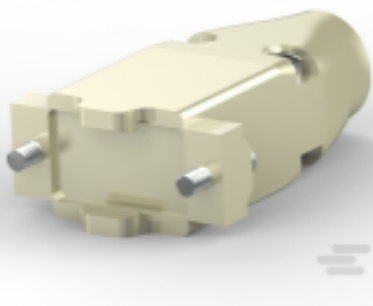
Compatible Parts

TE Part # CAT-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 # 5745183-1 09 RCPT SP/MS STD	TE Part # 5745854-1 CABLE CLAMP KIT,SZ 1
TE Part # 5748677-1 PLTD PLST CBL CLMP KIT,SZ 1	TE Part # 8-338313-2 9POS.HD-20 REC.ASSY	TE Part # 1-747943-5 KIT,RCPT,9P,HDE,SHLD ENCLSR	TE Part # 5745854-5 CABLE CLAMP KIT,SZ 1





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



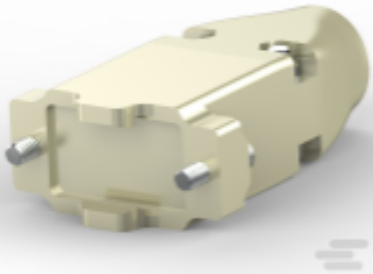
TE Part # 5745854-3
CABLE CLAMP KIT,SZ 1



TE Part # 5745183-3
09 RCPT SP/MS STD



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



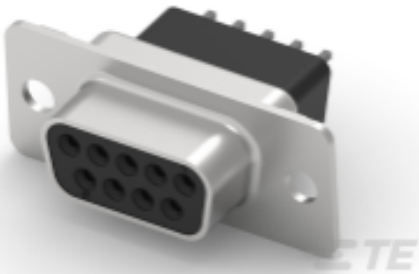
TE Part # 5748676-1
DIE CAST CBL CLMP KIT,SZ 1



TE Part # 9-338313-2
9POS.HD-20 REC.ASSY



TE Part # 7-338313-2
9POS.HD-20 REC.ASSY



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 # 5745171-5
AMPL CBL CLMP KIT SZ 1

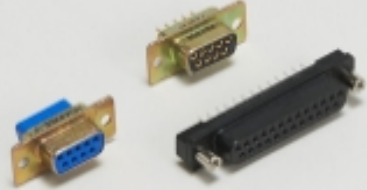
Also in the Series | **AMPLIMITE HDE**



Connector Contacts(13)



Crimp D-Sub Connectors(1)



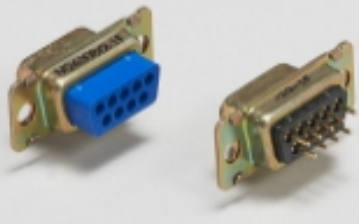
D-Shaped Connectors(57)



IDC D-Sub Connectors(56)



Insertion & Extraction Tools(2)



Panel Mount D-Sub Connectors(8)

Customers Also Bought



TE Part #1658613-4
09 POS HDF PLUG, MS, LEAD FREE

TE Part #5748677-3
PLTD PLST CBL CLMP KIT,SZ 3

TE Part #409158-1
EXTRACTION TOOL

TE Part #5745647-1
HD KIT, MALE SCREW RET.

TE Part #FG9023
OMNI,FG,902-928MHZ 915MHz,3dBd

TE Part #1415366-1
PT5S7SB5

TE Part #5207908-4
STRAIN REL W/SCREW RET KIT

TE Part #1658610-4
09 POS HDF RCPT, MS, LEAD FREE

TE Part #1-745496-7
25 HDE MS PLUG,22-26,LEAD FREE

TE Part #5746881-1
MALE SCREW RETAINER KIT

Documents

Product Drawings
PLUG ASSY,9P,HDE,MS

English

CAD Files
Customer View Model
ENG_CVM_1-745492-9_R.2d_dxf.zip

English

Customer View Model
ENG_CVM_1-745492-9_R.3d_igs.zip

English

Customer View Model
ENG_CVM_1-745492-9_R.3d_stp.zip

English

3D PDF

English

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Datasheets & Catalog Pages



[AMPLIMITE Subminiature D Connectors - Cable Connectors](#)

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[AMPLIMITE Cable Connectors and Shielding Hardware Kits QRG](#)

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[Product Specifications](#)

[Application Specification](#)

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[Instruction Sheets](#)

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

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