



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



Connector & Housing Type: **Plug**

Solid Wire Size: **.13 – .32 mm²**

Shielded: **Yes**

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

[All IDC D-Sub: Connector Kit, Plug, Wire to Wire, Signal, 2.77 mm \(22\)](#)

Features

Product Type Features

Grade	Standard
Grounding Indents	With
Shell Type	Front Metal Shell
Connector & Housing Type	Plug
Connector System	Cable-to-Cable
Connector Product Type	Connector Kit
D-Sub Shell Size	1
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Pre-Assembled	No
Number of Positions	9
Number of Rows	2
Compatible With Wire & Cable Type	Discrete Wire, Round Jacketed Cable

Body Features

Shield Material	Steel
Color	Black
Shell Material	Steel



Insert Material	Thermoplastic
Shell Plating Material	Tin
Shield Plating Material	Tin

Contact Features

Contact Type	Pin
Contact Mating Area Plating Thickness	.76 µm[30 µin]
Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
D-Sub Contact Size	20
Contact Current Rating (Max)	5 A

Termination Features

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

Mating Connector Lock	With
Mounting Angle	Straight
Mating Connector Lock Type	Mounting Holes
Wire Insulation Support	With
PCB Mount Retention Type	None
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Enclosure	With
Centerline (Pitch)	1.38 mm[.054 in]

Dimensions

Cable Outside Diameter	4.19 – 11.56 mm[.165 – .455 in]
Cable Insulation Diameter Range	4.19 – 11.56 mm[.165 – .455 in]
Accepts Cable Diameter (Max)	11.56 mm[.455 in]
Accepts Wire Insulation Diameter Range	1.52 mm[.06 in]
Solid Wire Size	.13 – .32 mm²
Wire Size	.15 – .4 mm²

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	1

Other

Comment	Components shipped unassembled, each part bulk-packaged., Maximum cable diameter after jacket and braid removed.
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Product Compliance

For compliance documentation, visit the product page on TE.com>

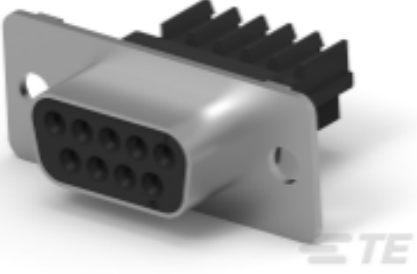
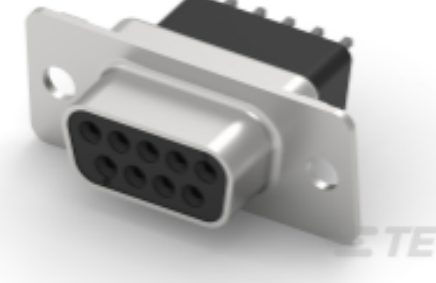
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not 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>



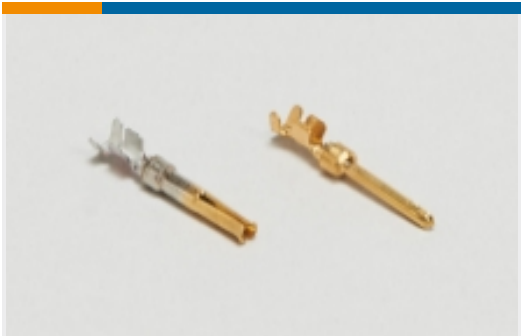
Compatible Parts

 TE Part # CAT-AM7-248H6 IDC D-Sub: Receptacle Kit, Wire to Wire, Signal, 2.74 mm	 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 # CAT-AM7-248H8 IDC D-Sub: Receptacle Assembly, Wire to Wire, Signal, 2.74 mm
 TE Part # CAT-025-DRAVS1274 D-Sub Receptacle Assembly: Vertical, Shell Size 1, 2.74mm	 TE Part # CAT-026-RAVSAP1274 D-Sub Receptacle Assy: Vertical, Action Pin, Shell Size 1, 2.74mm	 TE Part # CAT-979-DRARE274 D-Sub Receptacle Assy: Eurostyle, Right Angle, 2.74mm	 TE Part # CAT-333-DRRES274 D-Sub Receptacle Assy: Eurostyle, Right Angle, Surface Mount, 2.74mm
 TE Part # CAT-AM7-248H9 IDC D-Sub: Receptacle Kit, Cable to Cable, Signal, 2.77 mm	 TE Part # 58074-1 MTA 50/100/156 MANUAL TOOL FRAME	 TE Part # 5745183-1 09 RCPT SP/MS STD	 TE Part # 5745183-3 09 RCPT SP/MS STD
 TE Part # 2-1393480-8 V23529B1122B209=SUB D FEDERLEI	 TE Part # 8-1393483-7 V42254A2115B209=SUB D FEDERLEI	 TE Part # 9-1393480-0 V23529B1224B209=SUB D 2 GEN	TE Part # 966329-1 HDE 20 KIT 9P
 TE Part # 608868-1 HDE HT PKG FOR SUB D	 TE Part # 2-1393740-8 V42254A2214B209=SUB D FEDERLEI	TE Part # 543426-1 TERMINATION TOOL S/A,HDE	TE Part # 543426-2 TERMINATION TOOL S/A,HDE

Also in the Series | **AMPLIMITE HDE**



Crimp D-Sub Connectors(1)



D-Sub Connector Contacts(13)



IDC D-Sub Connectors(83)



Insertion & Extraction Tools(2)

Customers Also Bought

TE Part #1-6609107-7
CORCOM P SERIES MULTI-FUNCTION INLET FIL

TE Part #1-6609032-6
CORCOM R SERIES SINGLE PHASE FILTERS

TE Part #1-5745968-3
D-Sub Plug Assembly: Vertical, Shell Size 3, 2.74mm

TE Part #1658540-5
D-Sub Connector Contacts: Pin, Brass, Signal, Size 20

TE Part #212013-1
AMPLIMITE,ASY,PIN CONTACT

TE Part #2029000-1
02P UMNH HDR SHRT TAIL, NDH

TE Part #208494-1
CMC SERIES 3

TE Part #1676408-1
RN 0805 68K1 0.1% 10PPM CUT LENGTH

TE Part #1-747943-7
IDC D-Sub: Receptacle Kit, Wire to Wire, Signal, 2.74 mm

TE Part #YDTS33F17NV0010000
DUST COVER ASSEM

Documents

Product Drawings
09 HDE PMOLD PLUG, LEAD FREE
English

CAD Files
3D PDF
English
Customer View Model
ENG_CVM_747515-7_L2d_dxf.zip



English

Customer View Model

[ENG_CVM_747515-7_L.3d_igs.zip](#)

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Customer View Model

[ENG_CVM_747515-7_L.3d_stp.zip](#)

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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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