



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: **26 – 22 AWG**

Shielded: **Yes**

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

[All IDC D-Sub: Connector Kit, Plug, Wire to Wire, Signal, 2.77 mm \(17\)](#)

Features

Product Type Features

Shell Material Configuration	Front Metal Shell
Ground Feature Type	Grounding Indents
Connector & Housing Type	Plug
Connector System	Cable-to-Cable
Connector Product Type	Connector Kit
Connector Shell Size	4
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	37
Number of Rows	2
Compatible With Wire & Cable Type	Discrete Wire, Round Jacketed Cable

Body Features

Insert Material	Thermoplastic
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Mating Retention Feature Material	Zinc Alloy
Cable Exit Angle	180°
Shield Plating Material	Tin
Shield Material	Steel
Shell Plating Material	Tin

Contact Features

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

Termination Features

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

Mating Retention	With
Wire Insulation Support	With
Mating Retention Type	Jackscrew
Thread Size	4-40
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Shell Material	Steel
Centerline (Pitch)	2.77 mm[.109 in]

Dimensions

Accepts Cable Diameter (Max)	14.27 mm[.562 in]
Accepts Cable Insulation Diameter Range	8.59 – 14.28 mm[.338 – .562 in]
Compatible Insulation Diameter Range	1.52 mm[.06 in]
Solid Wire Size	26 – 22 AWG
Wire Size	.15 – .4 mm²



Usage Conditions

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

Circuit Application	Signal
Shielded	Yes

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	1
Packaging Method	Package

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 2024 (241) 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-DRARS4277
D-Sub Receptacle Assembly: Right Angle, Shell Size 4, 2.77mm

TE Part # CAT-AM7-253
IDC D-Sub: Receptacle Assembly, Low Profile, Signal, 2.77 mm

TE Part # CAT-AM7-248H5
IDC D-Sub: Receptacle Assembly, Wire to Wire, Signal, 2.77 mm

TE Part # CAT-025-DRAVS4277
D-Sub Receptacle Assembly: Vertical, Shell Size 4, 2.77mm

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

TE Part # CAT-026-RAVSAP4277
D-Sub Receptacle Assembly: Vertical, Action Pin, Shell Size 4, 2.77mm

TE Part # 747561-8
OVRMLD,PLUG ASSY,37P,HDE

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

TE Part # 7-1393740-3
V42254A2216B237=SUB D FEDERLEI

Also in the Series | **AMPLIMITE HDE**

Connector Contacts(13)

Crimp D-Sub Connectors(1)

IDC D-Sub Connectors(74)

Insertion & Extraction Tools(2)

Customers Also Bought

TE Part #5745784-6
37 MSFL RCPT RA 318 (SL,FM)

TE Part #5745968-4
25 PLUG SP/FMS STD

TE Part #103635-3
04 MTE HDR SRRA LATCH .100CL

TE Part #5-212534-1
RECEPT ASSY,21C4,AMPLIMITE



TE Part #CTJ-3D-02
RAIL ASSY



TE Part #1-2176343-4
CRGCQ 1206 120R 1%



TE Part #316013-000
55A1121-22-6/9-9



TE Part #4-2176237-7
CPF A 0603 20K 0.1% 25PPM 5K RL

Documents

Product Drawings

KIT,PLUG,37P,HDE,SHLD ENCLSRE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-747950-5_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-747950-5_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-747950-5_H.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

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English

