



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



Number of Positions: 37

Connector & Housing Type: Plug

Connector System: Cable-to-Cable

Connector Mounting Type: Cable Mount (Free-Hanging)

Connector Shell Size: 4

All IDC D-Sub: Connector Kit, Plug, Wire to Wire, Signal, 2.77 mm (6)

Features

Product Type Features

Ground Feature Type	Grounding Indents
Connector Product Type	Connector Kit
Shell Material Configuration	Front Metal Shell
Connector & Housing Type	Plug
Connector System	Cable-to-Cable
Connector Shell Size	4
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	37

Body Features

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

Contact Features

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

Termination Features

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

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

Housing Features

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

Dimensions

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	.13 – .32 mm²
Accepts Cable Diameter (Max)	14.27 mm[.562 in]
Wire Size	26 – 22 AWG



Usage Conditions

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

Shielded	Yes
Circuit Application	Signal

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: 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-DRARS4277
D-Sub Receptacle Assembly: Right Angle, Shell Size 4, 2.77mm

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

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

TE Part # CAT-AM7-253
IDC D-Sub: Receptacle Assembly, Low Profile, 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 # 608868-1
HDE HT PKG FOR SUB D

Also in the Series | AMPLIMITE HDE

Connector Contacts(13)

Crimp D-Sub Connectors(1)

D-Shaped Connectors(57)

IDC D-Sub Connectors(56)

Panel Mount D-Sub Connectors(8)

Customers Also Bought

TE Part #205204-4
CRIMP SNAP PLUG ASSY,SIZE 1

TE Part #207464-2
CRIMP SNAP PLUG ASSY,SZ 3

TE Part #52962-1
TERMINAL,PG SPR SPD 12-10 8

TE Part #CAT-035-DCRSS202
D-Sub Crimp Recpt Signal 15 Posn, Socket Size 20, Shell Size 2



TE Part #1-66506-0
PIN CONTACT, 20 DF



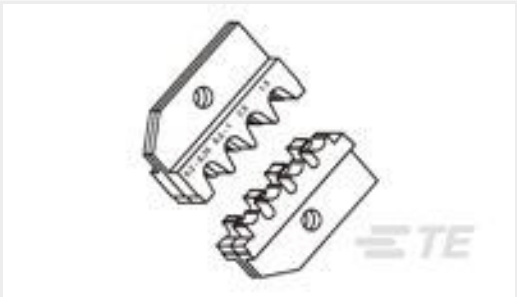
TE Part #1658641-2
HDP-20,PLUG,SIZE 5, 50 POSN



TE Part #5-1478762-2
Metal backshell 15 way Top Entry-KIT



TE Part #640907-2
RECEPT,PIDG FASTON 12-10 250



TE Part #539773-2
DIE FUER MINI MIC

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