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Connector & Housing Type: **Plug**

Solid Wire Size: **.05 – .13 mm²**

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

Grade	Standard
Grounding Indents	With
Enclosure Material	PVC
Shell Type	Front Metal Shell
Connector & Housing Type	Plug
Connector System	Cable-to-Cable
Connector Product Type	Connector Kit
D-Sub Shell Size	3
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Pre-Assembled	No
Number of Positions	25



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 (IDC)
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Mechanical Attachment

Mating Connector Lock	With
Mounting Angle	Straight
Mating Connector Lock Type	Jackscrews
Jackscrew Material	Zinc Alloy
Wire Insulation Support	With
PCB Mount Retention Type	None
Screw & Hole Thread Size	4-40
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Enclosure	With
Centerline (Pitch)	2.77 mm[.109 in]



Dimensions

Cable Outside Diameter	5.51 – 11.05 mm[.217 – .435 in]
Cable Insulation Diameter Range	5.51 – 11.05 mm[.217 – .435 in]
Accepts Cable Diameter (Max)	11.05 mm[.435 in]
Accepts Wire Insulation Diameter Range	1.52 mm[.06 in]
Solid Wire Size	.05 – .13 mm²
Wire Size	.05 – .15 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	Maximum cable diameter after jacket and braid removed., There is a maximum Cable O.D. of 11.56 [.455] for Shielding Enclosure Expansion Tool 58241-1.
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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: 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-023-DRARS3277 D-Sub Receptacle Assembly: Right Angle, Shell Size 3, 2.77mm	 TE Part # CAT-025-DRAVS3277 D-Sub Receptacle Assembly: Vertical, Shell Size 3, 2.77mm	 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-026-RAVSAP3277 D-Sub Receptacle Assembly: Vertical, Action Pin, Shell Size 3, 2.77mm	 TE Part # CAT-AM7-248H6 IDC D-Sub: Receptacle Kit, Wire to Wire, Signal, 2.74 mm	 TE Part # 747548-8 KIT,RCPT,25P,HDE,SHLD HDWRE	 TE Part # 7-1393740-2 V42254A2216B225=SUB D FEDERLEI
 TE Part # 8-1393480-3 V23529B1223B225=SUB D FEDERLEI	 TE Part # 3-1393480-0 V23529B1122B225=SUB D FEDERLEI	 TE Part # 1-1393480-9 V23529B1121B225=SUB D FEDERLEI	 TE Part # 8-1393480-4 V23529B1223B237=SUB D FEDERLEI



TE Part # 1393481-2
V23529B1225B225=SUB D FEDERLEI

TE Part # 5-1393480-7
V23529B1221B225=SUB D FEDERLEI

TE Part # 9-1393480-2
V23529B1224B225=SUB D FEDERLEI

TE Part # 747540-2
HDE SHIELDED OUT SHIELD,SN,SZ3

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

TE Part # 7-338315-2
25POS.HD20 REC.ASSY

TE Part # 8-338315-2
25P.HDP20 REC.ASSY

TE Part # 9-338315-2
25POS.HD20 REC.ASSY

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 SHLDG ENCL PLUG,LEAD FREE
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_1-747948-5_N_c-1-747948-5-n.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_1-747948-5_N_c-1-747948-5-n.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_1-747948-5_N_c-1-747948-5-n.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

Product Environmental Compliance

Product Compliance

English

Product Compliance

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English

Agency Approvals

UL Report

English

UL Report

English