

1658613-2 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HDF

TE Internal #: 1658613-2

25 Position D-Shaped Connector, Plug, Cable-to-Cable, Cable Mount (Free-Hanging), Shell Size 3, 2.77 mm [.055 in] Centerline, AMPLIMITE HDF

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Connectors > D-Shaped Connectors > IDC D-Sub: Plug Assembly, Low Profile, Signal, 2.77 mm



Number of Positions: 25

Connector & Housing Type: Plug

Connector System: Cable-to-Cable

Connector Mounting Type: Cable Mount (Free-Hanging)

Connector Shell Size: 3

[All IDC D-Sub: Plug Assembly, Low Profile, Signal, 2.77 mm \(17\)](#)

Features

Product Type Features

Ground Feature Type	Grounding Indents
Shell Material Configuration	Front Metal Shell
Connector & Housing Type	Plug
Connector System	Cable-to-Cable
Connector Shell Size	3
Connector Product Type	Connector Assembly
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	25
Number of Rows	2
Compatible With Wire & Cable Type	Ribbon Cable

Body Features



Shell Plating Finish	Bright
Cover Material	Thermoplastic
Shell Plating Material	Tin
Cable Exit Angle	180 °
Mating Retention Feature Material	Steel
Ribbon Cable Centerline Spacing	1.27 mm[.05 in]
Connector Profile	Low

Contact Features

Contact Underplating Material	Nickel
Wire Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Type	Pin
Contact Size	Size 20
Contact Current Rating (Max)	1.25 A
Contact Options	Installed

Termination Features

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

Mating Retention Type	Threaded Insert, 4-40 UNC
Mating Retention Feature Plating Material	Zinc
Mating Retention	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	Thermoplastic
Shell Material	Steel
Centerline (Pitch)	2.77 mm[.055 in]

Dimensions

Compatible Cable Insulation Diameter Range	.81 – .97 mm[.032 – .038 in]
Solid Wire Size	28 – 26 AWG
Wire Size	28 – 26 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 Quantity	40
Packaging Method	Tube

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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 # 7-338315-2
25POS.HD20 REC.ASSY



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



TE Part # CAT-023-DRARS3277
D-Sub Receptacle Assembly: Right Angle, Shell Size 3, 2.77mm



TE Part # 8-1393480-3
V23529B1223B225=SUB D FEDERLEI



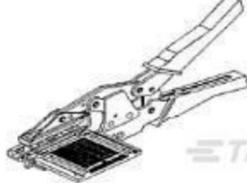
TE Part # 1-747947-5
KIT,RCPT,25P,HDE,SHLD ENCLSRE



TE Part # 8-1393480-4
V23529B1223B237=SUB D FEDERLEI



TE Part # 747548-8
KIT,RCPT,25P,HDE,SHLD HDWRE



TE Part # 768340-1
UNIV HAND TOOL KIT AMPLATCH



TE Part # 5748441-2
25 RCPT ACT PIN/MS(GRD SHLD)



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



TE Part # CAT-025-DRAVS3277
D-Sub Receptacle Assembly: Vertical, Shell Size 3, 2.77mm



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



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

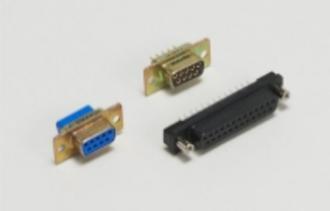
Also in the Series | **AMPLIMITE HDF**



Connector Hardware(3)



Connector Strain Relief(5)



D-Shaped Connectors(36)



IDC D-Sub Connectors(36)

Customers Also Bought



Documents

Product Drawings

[25 POS HDF PLUG, MS, LEAD FREE](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1658613-2_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1658613-2_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1658613-2_A.3d_stp.zip](#)

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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