

1658609-2 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HDF

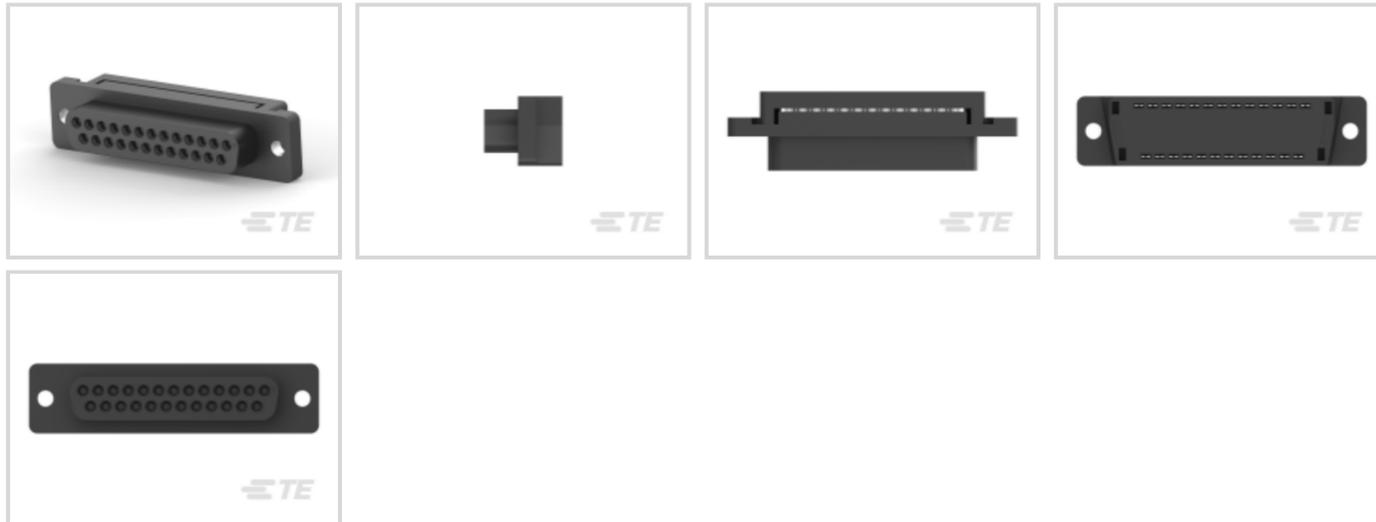
TE Internal #: 1658609-2

IDC D-Sub Connectors, Receptacle, 28 – 26 AWG Solid Wire Size, .1 – .13 mm² Solid Wire Size, Shielded, Cable-to-Cable, 25 Position, AMPLIMITE HDF

[View on TE.com >](#)



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



Connector & Housing Type: **Receptacle**

Solid Wire Size: .1 – .13 mm²

Shielded: **Yes**

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

[All IDC D-Sub: Receptacle Assembly, Low Profile, Signal, 2.77 mm \(19\)](#)

Features

Product Type Features

Profile	Low
Grade	Standard
Grounding Indents	Without
Thread Type	Standard
Shell Type	All Plastic
Connector & Housing Type	Receptacle
Connector System	Cable-to-Cable
Connector Product Type	Connector Assembly
D-Sub Shell Size	3
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

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

Strain Relief Part Number	747275-2
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Color	Black
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Cover Material	Thermoplastic
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Ribbon Cable Centerline Spacing	1.27 mm[.05 in]
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Contact Features

Contact Type	Socket
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	30 μin
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Contact Mating Area Plating Material	Gold
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Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material	Tin
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Contact Base Material	Phosphor Bronze
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D-Sub Contact Size	20
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Contact Current Rating (Max)	1.25 A
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Termination Features

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

Mating Connector Lock	With
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Mounting Angle	Straight
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Mating Connector Lock Type	Threaded Insert, 4-40 UNC
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Threaded Insert Material	Steel
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Threaded Insert Plating Material	Zinc
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PCB Mount Retention Type	None
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Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

Housing Material	Thermoplastic
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Enclosure	Without
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Centerline (Pitch)	2.77 mm[.055 in]
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Dimensions

Cable Insulation Diameter Range	.81 – .97 mm[.032 – .038 in]
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Solid Wire Size	.1 – .13 mm ²
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Wire Size	.08 – .15 mm ²
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Usage Conditions

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

Shielded	Yes
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Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Tube
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Packaging Quantity	40
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Other

Optional Cable Stabilizer	747275-2
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Comment	All plug assemblies are supplied with housing and cover preassembled
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Not applicable for solder process capability
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Product Compliance Disclaimer

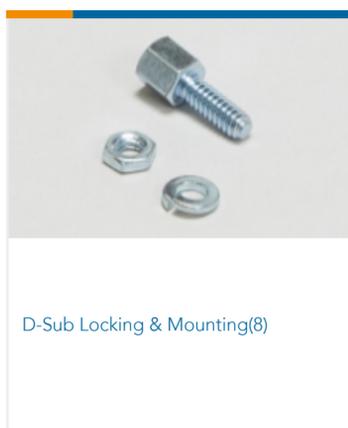
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



Also in the Series | AMPLIMITE HDF



Documents

Product Drawings
25 POS HDF RCPT, AP
English

CAD Files
3D PDF
3D

Customer View Model
ENG_CVM_CVM_1658609-2_A.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_1658609-2_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1658609-2_A.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

[Product Specification](#)

English

[Product Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English

Agency Approvals

[UL Report](#)

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