

1658612-2 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HDF

TE Internal #: 1658612-2

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

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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: **28 - 26 AWG**

Shielded: **No**

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

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

Features

Product Type Features

Shell Material Configuration	Front Metal Shell
Connector & Housing Type	Receptacle
Connector System	Cable-to-Cable
Connector Product Type	Connector Assembly
Connector Shell Size	3
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

Cover Material	Thermoplastic
Ribbon Cable Centerline Spacing	1.27 mm[.05 in]



Mating Retention Feature Material	Steel
Shell Plating Finish	Bright
Cable Exit Angle	180°
Shell Plating Material	Tin
Connector Profile	Low

Contact Features

Contact Options	Installed
Contact Type	Socket
Wire Contact Termination Area Plating Material	Tin
	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)	1.25 A

Termination Features

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

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

Housing Features

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

Dimensions

Accepts Cable Insulation Diameter Range	.81 - .97 mm[.032 - .038 in]
Solid Wire Size	28 - 26 AWG
Wire Size	.08 - .15 mm ²

Usage Conditions

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

Circuit Application	Signal
Shielded	No

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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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-AM7-H3
IDC D-Sub: Plug Assembly, Low Profile, Signal, 2.77 mm



TE Part # CAT-023-DPARS3274
D-Sub Plug Assembly: Standard, Right Angle, Shell Size 3, 2.74mm



TE Part # CAT-025-DPAVS3274
D-Sub Plug Assembly: Vertical, Shell Size 3, 2.74mm



TE Part # CAT-AM7-248H3
IDC D-Sub: Plug Assembly, Wire to Wire, Signal, 2.77 mm



TE Part # CAT-AM7-248H4
IDC D-Sub: Connector Kit, Plug, Wire to Wire, Signal, 2.77 mm



TE Part # 5788795-1
25 HTMSFL PLUG RA 318 (SL,BL)



TE Part # 7-338311-2
25POS.HD20 PLUG ASS



TE Part # 768340-1
UNIV HAND TOOL KIT AMPLATCH

Also in the Series | **AMPLIMITE HDF**



Connector Hardware(3)



Connector Strain Relief(5)



IDC D-Sub Connectors(36)

Customers Also Bought



TE Part # 1658613-3
15 POS HDF PLUG, MS, LEAD FREE



TE Part # 3-644043-5
05P MTA100 CONN ASSY LF



TE Part # 1761608-9
IDC LOW PRO HDR 26P VERT SHT LAT BLK



TE Part # 1761842-1
CONNECTOR ASSY, 60 DUAL POSITI



TE Part # 9-6318491-6
.5FHP08H,220,S,GIG,08/Sn,HT,NSYes, W/C



TE Part # 1-2176513-5
CJP 1000W 33R 5% Lead



TE Part # 2-2308340-2
FULL METAL HOODS SIZE 1-12 (RAW 135 DEG)



TE Part # 1337815-1
50 OHM COAX SMB STR PLUG STR P



Documents

Product Drawings

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

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1658612-2_O.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1658612-2_O.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1658612-2_O.3d_stp.zip](#)

English

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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

Agency Approvals

[CSA Certificate](#)

English