

1658613-1 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HDF

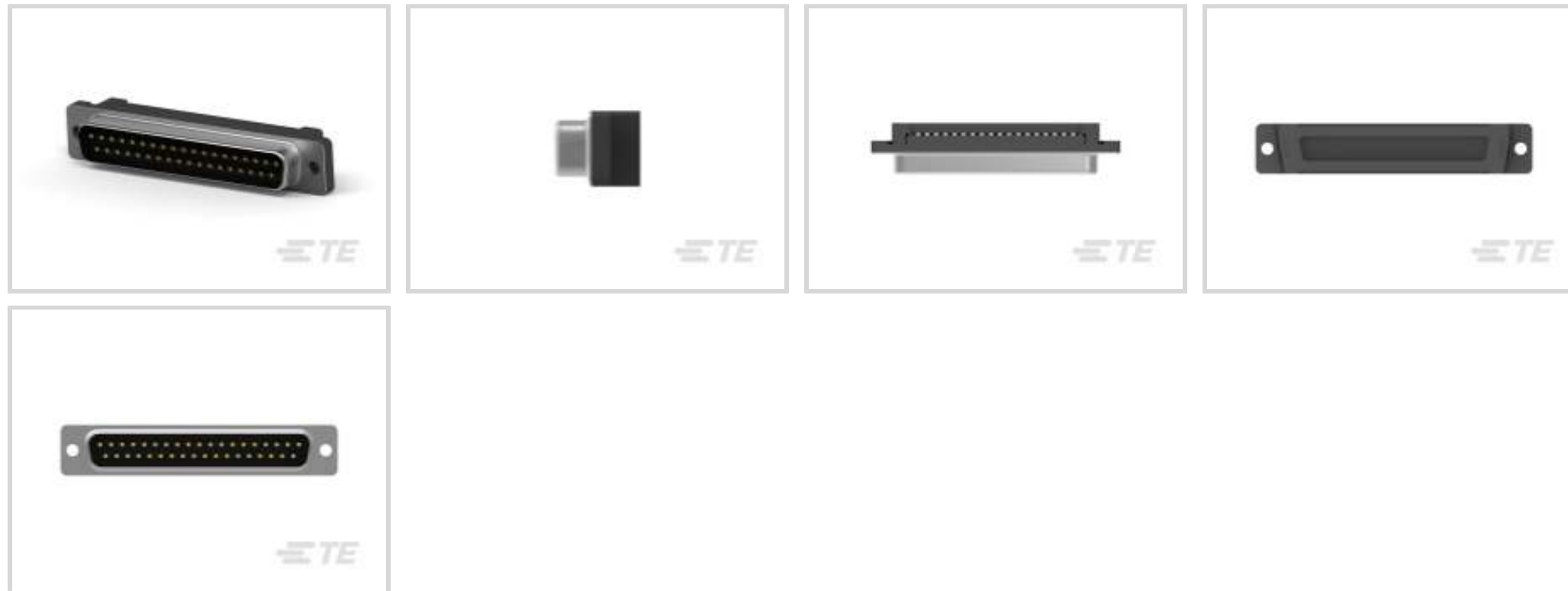
TE Internal #: 1658613-1

IDC D-Sub Connectors, Plug, 28 – 26 AWG Solid Wire Size, .1 – .13 mm<sup>2</sup> Solid Wire Size, Cable-to-Cable, 37 Position, AMPLIMITE HDF

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



Connector & Housing Type: **Plug**

Solid Wire Size: **.1 – .13 mm<sup>2</sup>**

Shielded: **No**

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

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

## Features

### Product Type Features

Shell Material Configuration	Front Metal Shell
Ground Feature Type	Grounding Indents
Connector & Housing Type	Plug
Connector System	Cable-to-Cable
Connector Product Type	Connector Assembly
Connector Shell Size	4
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Number of Positions	37
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 Type	Pin
Wire Contact Termination Area Plating Material	Tin
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	.1 – .13 mm <sup>2</sup>
Wire Size	.08 – .15 mm <sup>2</sup>

#### 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

### Other

D-Shaped Connectors 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
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 2023 (235) Candidate List Declared Against: JAN 2023 (233) 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 # CAT-AM7-253  
IDC D-Sub: Receptacle Assembly, Low Profile, Signal, 2.77 mm



TE Part # CAT-026-RAVSAP4277  
D-Sub Receptacle Assembly: Vertical, Action Pin, Shell Size 4, 2.77mm



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



TE Part # CAT-025-DRAVS4277  
D-Sub Receptacle Assembly: Vertical, Shell Size 4, 2.77mm



TE Part # 2-1393480-0  
V23529B1121B237=SUB D FEDERLEI



TE Part # 3-1392010-7  
V23529B1225B237=SUB D FEDERLEI



TE Part # 7-1393740-3  
V42254A2216B237=SUB D FEDERLEI




TE Part # 3-1392010-8  
V23529B1122B237=SUB D FEDERLEI



TE Part # 768340-1  
UNIV HAND TOOL KIT AMPLATCH

Also in the Series | **AMPLIMITE HDF**



D-Sub Locking & Mounting(8)



IDC D-Sub Connectors(36)

Customers Also Bought



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



TE Part #1658612-3  
IDC D-Sub: Receptacle Assembly, Low Profile, Signal, 2.77 mm



TE Part #1658691-1  
HDP-22,PLUG,SIZE 1, 15 POSN,CLI



TE Part #T4130012081-000  
M12,REAR MOUNT,MALE, A,8P, SOLDER WIRE



## Documents

### Product Drawings

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

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1658613-1\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1658613-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1658613-1\\_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

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### Product Environmental Compliance

#### Product Compliance Document

English

#### Product Compliance Document

English

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### Agency Approvals

#### UL Report

English