1658613-2 ✔ ACTIVE

AMPLIMITE | AMPLIMITE HDF

TE Internal #: 1658613-2

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

Connector & Housing Type: **Plug**

Solid Wire Size: **.1 – .13 mm²**

Shielded: **Yes**

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

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

Features

Product Type Features

Profile	Low
Grade	Standard
Grounding Indents	With
Shell Type	Front Metal Shell
Connector & Housing Type	Plug
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
Number of Rows	2

Compatible With Wire & Cable Type	Ribbon Cable

Body Features

Strain Relief Part Number	747275-2
Shell Plating Finish	Bright
Color	Black
Cover Material	Thermoplastic
Ribbon Cable Centerline Spacing	1.27 mm[.05 in]
Shell Material	Steel
Shell Plating Material	Tin

Contact Features

Contact Type	Pin
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)	1.25 A

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)

Mechanical Attachment

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

Housing Features

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

Dimensions

Cable Insulation Diameter Range	.81 – .97 mm[.032 – .038 in]

Solid Wire Size	.1 – .13 mm²
Wire Size	.08 – .15 mm²

Usage Conditions

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

Operation/Application

Shielded	Yes
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Tube
Packaging Quantity	40

Other

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

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

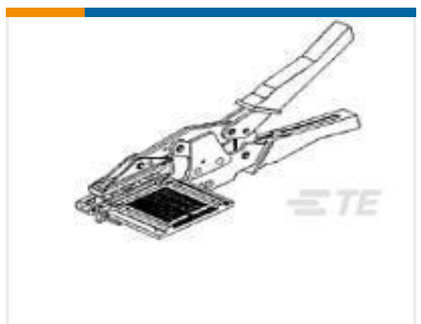
TE Part # 1-1393480-9
V23529B1121B225=SUB D FEDERLEI

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



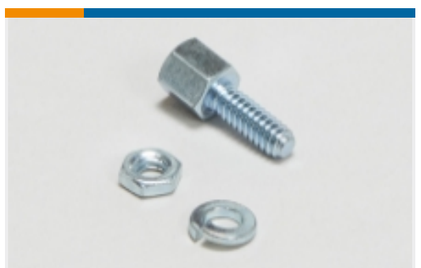
TE Part # 768340-1
UNIV HAND TOOL KIT AMPLATCH

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 HDF



D-Sub Locking & Mounting(8)

IDC D-Sub Connectors(36)

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

English

AMPLIMITE Cable Connectors and Shielding Hardware Kits QRG

English

Product Specifications

Product Specification

English

Product Specification

English

Product Environmental Compliance

MD_1658613-2_040320182352_dmtec

English

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Agency Approvals

UL Report

English