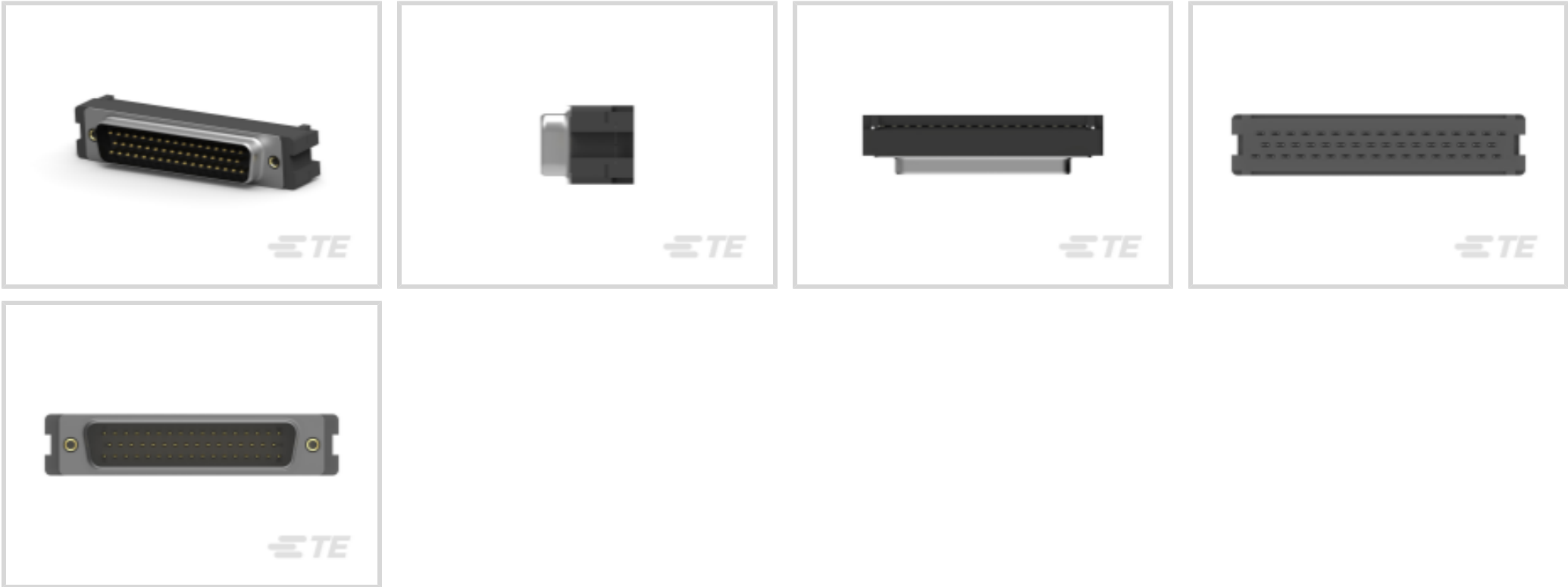




Connectors > D-Shaped Connectors > D-Sub Connectors > IDC D-Sub Connectors > IDC D-Sub: Plug Assembly, Low Profile, Signal, 2.77 mm



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
Thread Type	Standard
Shell Type	Front Metal Shell
Connector & Housing Type	Plug
Connector System	Cable-to-Cable
Connector Product Type	Connector Assembly
D-Sub Shell Size	5
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	50
---------------------	----



Number of Rows	3
Compatible With Wire & Cable Type	Ribbon Cable

Body Features

Strain Relief Part Number	746785-1
Shell Plating Finish	Bright
Color	Black
Ribbon Cable Centerline Spacing	1.27 mm[.05 in]
Shell Material	Steel
Shell Plating Material	Tin

Contact Features

Contact Type	Pin
	30 µin
Contact Mating Area Plating Material	Gold, Gold Flash
Contact Underplating Material	Nickel, Palladium 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 Crimp (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[.054 in]



Dimensions

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

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	Package
Packaging Quantity	32

Other

Optional Cable Stabilizer	746785-1
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: JAN 2021 (211) Candidate List Declared Against: JUN 2020 (209) SVHC > Threshold: Not Yet Reviewed
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-026-RAVSAP5277 D-Sub Receptacle assy: Vertical, Action Pin, Shell Size 5, 2.77mm	 TE Part # CAT-025-DRAVS5277 D-Sub Receptacle Assembly: Vertical, Shell Size 5, 2.77mm	 TE Part # CAT-AM7-253 IDC D-Sub: Receptacle Assembly, Low Profile, Signal, 2.77 mm	 TE Part # 5747193-2 50 RCPT RA/MS STD (SL)
 TE Part # 5745116-2 50 RCPT RA/MS STD	 TE Part # 745116-2 50 RCPT RA/MS STD	 TE Part # 768340-1 UNIV HAND TOOL KIT AMPLATCH	 TE Part # 747193-2 50 RCPT RA/MS STD (SL)

Also in the Series | AMPLIMITE HDF

 D-Sub Locking & Mounting(8)	 IDC D-Sub Connectors(36)
---------------------------------	------------------------------

Customers Also Bought



TE Part #T4111501041-000
M12 Field Installable Unshielded

TE Part #1658613-2
IDC D-Sub: Plug Assembly, Low Profile, Signal, 2.77 mm

TE Part #1658612-2
IDC D-Sub: Receptacle Assembly, Low Profile, Signal, 2.77 mm

TE Part #1-1658621-0
50 NOVO MIL/CTR 15DP, LEAD FREE

TE Part #1658621-9
40 NOVO MIL/CTR 15DP, LEAD FREE

TE Part #1487588-1
USB, A-B, 28/24, WHITE, 2.0M

TE Part #1-318059-0
FLOATING SHEAR, FRONT

TE Part #1571987-5
A201J1CQ004=DBG POLE, ROCKER

TE Part #1-356885-3
STOP, SHEAR

Documents

Product Drawings

50 POS HDF PLUG, MS, LEAD FREE

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_1658607-1_A1.2d_dxf.zip

English

Customer View Model

ENG_CVM_1658607-1_A1.3d_igs.zip

English

Customer View Model

ENG_CVM_1658607-1_A1.3d_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

[Instruction Sheets](#)

[Instruction Sheet \(U.S.\)](#)

English

[Agency Approvals](#)

[UL Report](#)

English