



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

Contact Features

	30 µin
Contact Size	Size 20
Contact Current Rating (Max)	1.25 A
Contact Underplating Material	Nickel
Wire Contact Termination Area Plating Material	Tin
Contact Options	Installed
Contact Mating Area Plating Material	Gold
Contact Base Material	Phosphor Bronze
Contact Type	Socket

Product Type Features

Connector & Housing Type	Receptacle
Connector System	Cable-to-Cable
Connector Product Type	Connector Assembly



Connector Shell Size	2
Connector & Contact Terminates To	Wire & Cable
Shell Material Configuration	Front Metal Shell

Dimensions

Solid Wire Size	28 – 26 AWG
Wire Size	.08 – .15 mm²
Accepts Cable Insulation Diameter Range	.81 – .97 mm[.032 – .038 in]

Operation/Application

Shielded	No
Circuit Application	Signal

Configuration Features

Number of Positions	15
Number of Rows	2
Compatible With Wire & Cable Type	Ribbon Cable

Housing Features

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

Mechanical Attachment

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

Usage Conditions

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

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Body Features

Shell Plating Finish	Bright
Cover Material	Thermoplastic
Shell Plating Material	Tin



Cable Exit Angle	180°
Mating Retention Feature Material	Steel
Ribbon Cable Centerline Spacing	1.27 mm[.05 in]
Connector Profile	Low

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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-DPARS2274 D-Sub Plug Assembly: Standard, Right Angle, Shell Size 2, 2.74mm	TE Part # 1-745494-5 15 HDE MS PLUG,22-26,LEAD FREE	TE Part # CAT-025-DPAVS2274 D-Sub Plug Assembly: Standard, Vertical, Shell Size 2, 2.74mm
TE Part # 5-747908-2 15 Plug Solder Cup, Gold Flash	TE Part # 1-745494-7 PLUG ASSY,15P,HDE,MS	TE Part # 7-338310-2 15POS.HD20 PLUG ASS'Y	TE Part # 768340-1 UNIV HAND TOOL KIT AMPLATCH

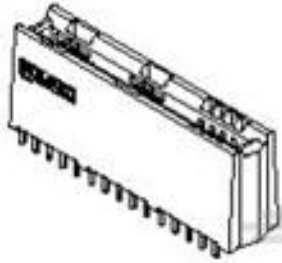
Also in the Series | [AMPLIMITE HDF](#)

Connector Hardware(3)	Connector Strain Relief(5)	IDC D-Sub Connectors(36)
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Customers Also Bought

TE Part #1658613-2 IDC D-Sub: Plug Assembly, Low Profile, Signal, 2.77 mm	TE Part #5499922-2 A/L UNIV HDR 14P VERT LG LAT	TE Part #6-179228-4 CT CRIMP-2 REC HSG 4P BLACK	TE Part #1658527-7 622-1641LF FEM SOCKET,LEAD FREE
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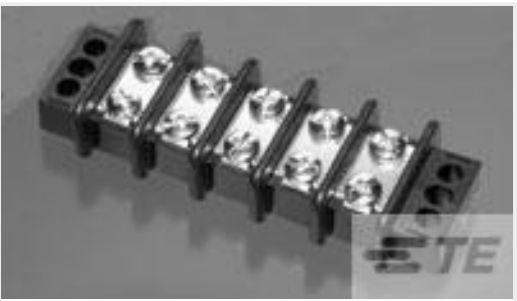




TE Part #6651290-1
284-0112-11300=TA CONN,SKT,COM



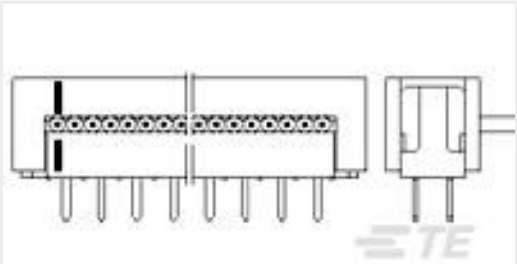
TE Part #9-1437657-8
8PCV-06-006=#8 TRIBARRIER



TE Part #1546310-4
4P .563" DR BARRIER STRIP



TE Part #8-1393211-6
T92S11A22-24



TE Part #5-216093-0
AMP-LATCH PRE-ASSY DIL WITHO

Documents

Product Drawings

15 POS HDF RCPT, MS, LEAD FREE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1658612-3_O_c-1658612-3-o.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1658612-3_O_c-1658612-3-o.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1658612-3_O_c-1658612-3-o.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

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Product Specifications

Product Specification

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Product Specification

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Agency Approvals

CSA Certificate

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