



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



Number of Positions: 37

Connector & Housing Type: Receptacle

Connector System: Cable-to-Cable

Connector Mounting Type: Cable Mount (Free-Hanging)

Connector Shell Size: 4

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

Features

Product Type Features

|                                   |                    |
|-----------------------------------|--------------------|
| Connector Product Type            | Connector Assembly |
| Shell Material Configuration      | Front Metal Shell  |
| Connector & Housing Type          | Receptacle         |
| Connector System                  | Cable-to-Cable     |
| Connector Shell Size              | 4                  |
| Connector & Contact Terminates To | Wire & Cable       |

Configuration Features

|                                   |              |
|-----------------------------------|--------------|
| Compatible With Wire & Cable Type | Ribbon Cable |
| Number of Rows                    | 2            |
| Number of Positions               | 37           |

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             |

Contact Features

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

Termination Features

|                                    |                               |
|------------------------------------|-------------------------------|
| Termination Method to Wire & Cable | Insulation Displacement (IDC) |
|------------------------------------|-------------------------------|

Mechanical Attachment

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

Housing Features

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

Dimensions

|                                         |                              |
|-----------------------------------------|------------------------------|
| Accepts Cable Insulation Diameter Range | .81 – .97 mm[.032 – .038 in] |
| Solid Wire Size                         | .1 – .13 mm²                 |
| Wire Size                               | 28 – 26 AWG                  |

Usage Conditions

|  |  |
|--|--|
|  |  |
|--|--|



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

Operation/Application

|                     |        |
|---------------------|--------|
| Shielded            | No     |
| Circuit Application | Signal |

Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

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 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<br>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                                                                                  |

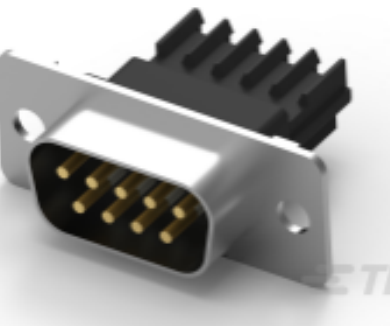
Product Compliance Disclaimer

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 # 1-747950-5  
KIT, PLUG, 37P, HDE, SHLD ENCLSR



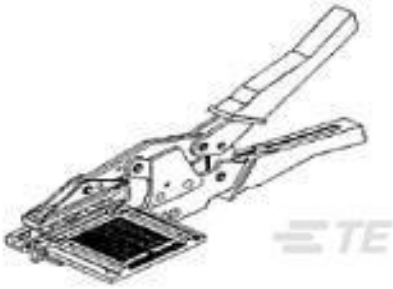
TE Part # CAT-AM7-248H3  
IDC D-Sub: Plug Assembly, Wire to Wire, Signal, 2.77 mm



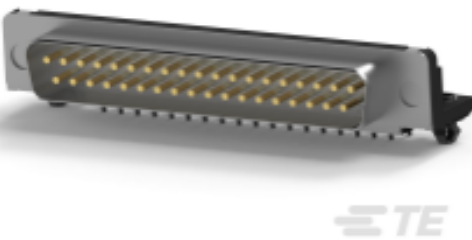
TE Part # CAT-AM7-H3  
IDC D-Sub: Plug Assembly, Low Profile, Signal, 2.77 mm



TE Part # CAT-025-DPAVS4274  
D-Sub Plug Assembly: Vertical, Shell Size 4, 2.74mm

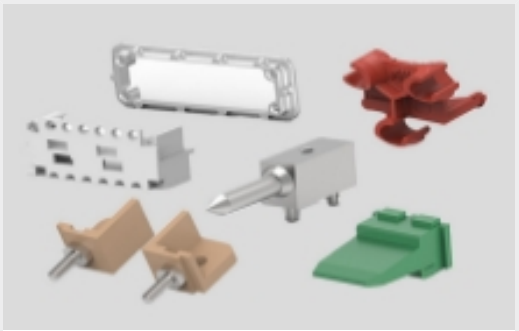


TE Part # 768340-1  
UNIV HAND TOOL KIT AMPLATCH



TE Part # CAT-023-DPARS4274  
D-Sub Plug Assembly: Standard, Right Angle, Shell Size 4, 2.74mm

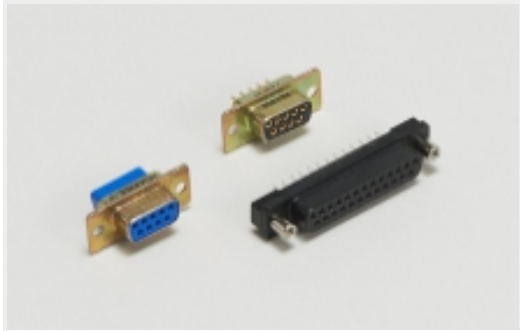
Also in the Series | **AMPLIMITE HDF**



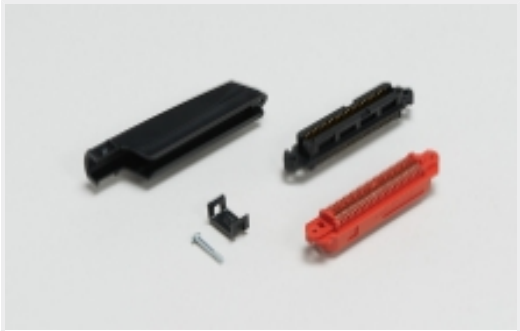
Connector Hardware(3)



Connector Strain Relief(5)



D-Shaped Connectors(36)

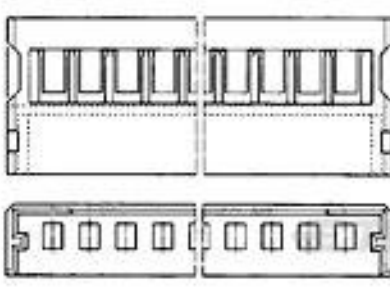


IDC D-Sub Connectors(36)

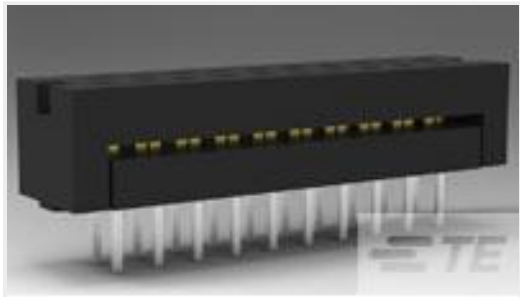
Customers Also Bought



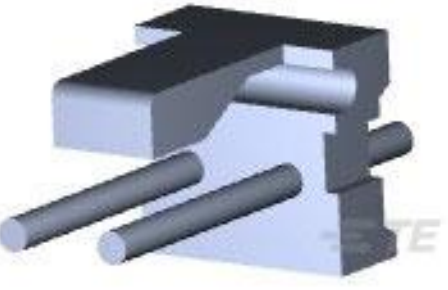
TE Part #1-1337478-0  
SMB R/A Plg Hex 50Ohm Gold Pla



TE Part #917572-4  
1.5 B-T-W PLUG HSG 4P BLACK



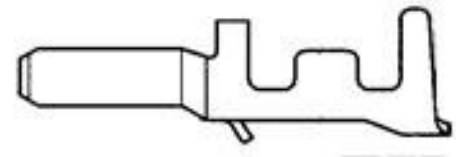
TE Part #1-746610-9  
40 DIP PLUG, 100CL, LEAD FREE



TE Part #640388-2  
02P MTA156 HDR ASSY RN STR F/L



TE Part #66505-4  
HD 20 DF SOCKET PLTD



TE Part #917571-1  
1.5 BTW POST CONTACT



TE Part #1658613-2  
25 POS HDF PLUG, MS, LEAD FREE



TE Part #NB17324001  
RP-4800-NO.11-0-SP



Documents

Product Drawings

37 POS HDF RCPT, MS, LEAD FREE

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1658612-1\_O.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1658612-1\_O.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1658612-1\_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

English

Product Specifications

Product Specification

English

Product Specification

English

Agency Approvals

CSA Certificate

English