



Connectors > D-Shaped Connectors > D-Sub Connectors > IDC D-Sub Connectors > IDC D-Sub: Connector Kit, Plug, Wire to Wire, Signal, 2.77 mm



Connector & Housing Type: **Plug**

Solid Wire Size: **.13 – .32 mm<sup>2</sup>**

Shielded: **Yes**

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

[All IDC D-Sub: Connector Kit, Plug, Wire to Wire, 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 Kit     |
| Connector Shell Size              | 3                 |
| Connector & Contact Terminates To | Wire & Cable      |

Configuration Features

|                                   |                                     |
|-----------------------------------|-------------------------------------|
| Number of Positions               | 25                                  |
| Number of Rows                    | 2                                   |
| Compatible With Wire & Cable Type | Discrete Wire, Round Jacketed Cable |

Body Features

|                 |               |
|-----------------|---------------|
| Insert Material | Thermoplastic |
|-----------------|---------------|



|                                   |            |
|-----------------------------------|------------|
| Mating Retention Feature Material | Zinc Alloy |
| Cable Exit Angle                  | 180°       |
| Shield Plating Material           | Tin        |
| Shield Material                   | Steel      |
| Shell Plating Material            | Tin        |

Contact Features

|                                                |                 |
|------------------------------------------------|-----------------|
| Contact Type                                   | Pin             |
| Wire Contact Termination Area Plating Material | Tin             |
| Contact Mating Area Plating Material           | Gold Flash      |
| Contact Underplating Material                  | Nickel          |
| Contact Base Material                          | Phosphor Bronze |
| Contact Size                                   | Size 20         |
| Contact Current Rating (Max)                   | 5 A             |

Termination Features

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

Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Mating Retention        | With                       |
| Wire Insulation Support | With                       |
| Mating Retention Type   | JackscREW                  |
| Thread Size             | 4-40                       |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

Housing Features

|                    |                  |
|--------------------|------------------|
| Shell Material     | Steel            |
| Centerline (Pitch) | 2.77 mm[.109 in] |

Dimensions

|                                         |                                 |
|-----------------------------------------|---------------------------------|
| Accepts Cable Diameter (Max)            | 11.05 mm[.435 in]               |
| Accepts Cable Insulation Diameter Range | 5.51 – 11.05 mm[.217 – .435 in] |
| Compatible Insulation Diameter Range    | 1.52 mm[.06 in]                 |
| Solid Wire Size                         | .13 – .32 mm²                   |
| Wire Size                               | .15 – .4 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 Quantity | 1       |
| Packaging Method   | Package |

Other

|                             |                                                                                                                                                       |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| D-Shaped Connectors Comment | Maximum cable diameter after jacket and braid removed., There is a maximum Cable O.D. of 11.56 [.455] for Shielding Enclosure Expansion Tool 58241-1. |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

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)<br>Candidate List Declared Against: JUNE 2023 (235)<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

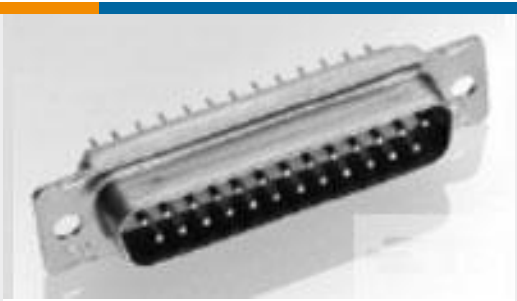
|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|  |  |  |  |

Also in the Series | AMPLIMITE HDE

|                           |                              |                          |                                 |
|---------------------------|------------------------------|--------------------------|---------------------------------|
|                           |                              |                          |                                 |
| Crimp D-Sub Connectors(1) | D-Sub Connector Contacts(13) | IDC D-Sub Connectors(75) | Insertion & Extraction Tools(2) |

Customers Also Bought

|                                                                |                                               |                                                 |                                                         |
|----------------------------------------------------------------|-----------------------------------------------|-------------------------------------------------|---------------------------------------------------------|
|                                                                |                                               |                                                 |                                                         |
| TE Part #GA10K4A1A<br>DISCRETE 10K OHMS,+/-0.1C FROM 0C TO 70C | TE Part #1879457-8<br>TE 2500W 3R9 5% Bracket | TE Part #1-2308272-1<br>CABLE CLAMPS (CASE RAW) | TE Part #1-2308342-5<br>FULL METAL HOODS SIZE 3-5 (RAW) |



TE Part #1757820-4  
AMPLIMITE,ASY,RCPT,STD,109,ZN,4



TE Part #8-2176381-4  
RQ 0805 90K9 0.1% 10PPM 5K RL



TE Part #YDTS20F17-06PNV001  
RECP ASSY



TE Part #2157481-1  
AMPLIMITE IP67, SZ1, 109, 9 POS, RCPT



TE Part #1532175-3  
M83513/04-E03N, MCKS-N1-B-31S6G9-18.0

Documents

Product Drawings

KIT,PLUG,25P,HDE,SHLD ENCLSRE

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-747948-8\_N\_c-1-747948-8-n.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-747948-8\_N\_c-1-747948-8-n.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-747948-8\_N\_c-1-747948-8-n.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

Application Specification

English



Application Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English

Agency Approvals

UL Report

English

UL Report

English