

2-745495-0 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HDE

TE Internal #: 2-745495-0

IDC D-Sub Connectors, Receptacle, 26 – 22 AWG Solid Wire Size, Shielded, Wire-to-Wire, 25 Position, 1.38 mm [.054 in] Centerline, 2 Row, AMPLIMITE HDE

[View on TE.com >](#)



Connectors > D-Shaped Connectors > D-Sub Connectors > IDC D-Sub Connectors > IDC D-Sub: Receptacle Assembly, Wire to Wire, Signal, 2.77 mm



Connector & Housing Type: **Receptacle**

Solid Wire Size: **26 – 22 AWG**

Shielded: **Yes**

Connector System: **Wire-to-Wire**

Number of Positions: **25**

[All IDC D-Sub: Receptacle Assembly, Wire to Wire, Signal, 2.77 mm \(10\)](#)

Features

Product Type Features

| | |
|-----------------------------------|--------------------|
| Grade | Standard |
| Grounding Indents | Without |
| Shell Type | Full Metal Shell |
| Connector & Housing Type | Receptacle |
| Connector System | Wire-to-Wire |
| Connector Product Type | Connector Assembly |
| D-Sub 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

| | |
|------------------------|---------------|
| Color | Black |
| Shell Material | Steel |
| Insert Material | Thermoplastic |
| Shell Plating Material | Tin |



Contact Features

| | |
|------------------------------|--------|
| Contact Type | Socket |
| D-Sub Contact Size | 20 |
| Contact Current Rating (Max) | 2.4 A |

Mechanical Attachment

| | |
|----------------------------|----------------------------|
| Mating Connector Lock | With |
| Mounting Angle | Straight |
| Mating Connector Lock Type | Mounting Holes |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

Housing Features

| | |
|--------------------|-------------------|
| Enclosure | Without |
| Centerline (Pitch) | 1.38 mm [.054 in] |

Dimensions

| | |
|-----------------|--------------------------|
| Solid Wire Size | 26 – 22 AWG |
| Wire Size | .15 – .4 mm ² |

Usage Conditions

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

Operation/Application

| | |
|---------------------|--------|
| Shielded | Yes |
| Circuit Application | Signal |

Industry Standards

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

Packaging Features

| | |
|--------------------|---------|
| Packaging Method | Package |
| Packaging Quantity | 84 |

Other

| | |
|---------|---|
| Comment | Connectors can be made available with clinch nuts, contact AMP Incorporated, HDE connectors are designed for terminating solid or stranded (7-strand max.) wire., Individual conductor strands should be larger than 0.127 in. [.005] diameter., RS-232, size 3 connector, for 0.15-0.4 mm ² - [26-22] AWG wire select |
|---------|---|

loaded positions 1-8, 15, 17, 20 and 22,
Plug Part No. 747740-1, Receptacle Part
No. 747741-1, gold flash contacts

Product Compliance

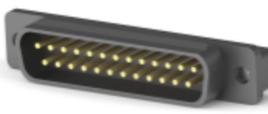
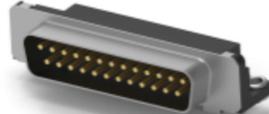
[For compliance documentation, visit the product page on TE.com>](#)

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

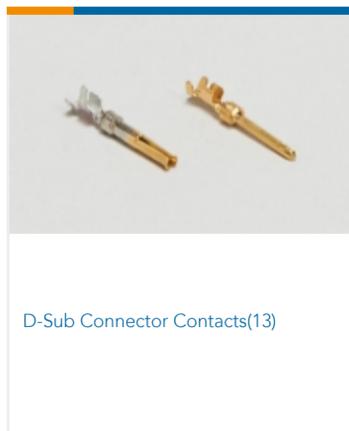
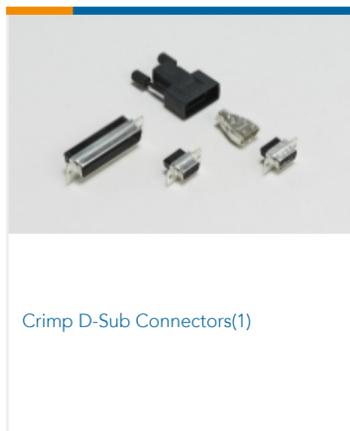
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

| | | | |
|--|--|---|--|
|  <p>TE Part # CAT-AM7-248H4 IDC D-Sub: Connector Kit, Plug, Wire to Wire, Signal, 2.77 mm</p> |  <p>TE Part # CAT-025-DPAVS3274 D-Sub Plug Assembly: Vertical, Shell Size 3, 2.74mm</p> |  <p>TE Part # CAT-023-DPARS3274 D-Sub Plug Assembly: Standard, Right Angle, Shell Size 3, 2.74mm</p> |  <p>TE Part # 1-745496-8 25 HDE MS PLUG, 22-26, LEAD FREE</p> |
|--|--|---|--|



Also in the Series | **AMPLIMITE HDE**



Documents

Product Drawings

25 HDE MS RCPT,22-26,LEAD FREE

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2-745495-0_P.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-745495-0_P.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-745495-0_P.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

Instruction Sheets

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

English

Agency Approvals

[UL Report](#)

English