

1658609-4 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HDF

TE Internal #: 1658609-4

IDC D-Sub Connectors, Receptacle, 28 – 26 AWG Solid Wire Size, .1 – .13 mm² Solid Wire Size, Shielded, Cable-to-Cable, 9 Position, AMPLIMITE HDF

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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: .1 – .13 mm²

Shielded: **Yes**

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

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

Features

Product Type Features

| | |
|-----------------------------------|--------------------|
| Profile | Low |
| Grade | Standard |
| Grounding Indents | Without |
| Thread Type | Standard |
| Shell Type | All Plastic |
| Connector & Housing Type | Receptacle |
| Connector System | Cable-to-Cable |
| Connector Product Type | Connector Assembly |
| D-Sub Shell Size | 1 |
| Sealable | No |
| Connector & Contact Terminates To | Wire & Cable |

Configuration Features

| | |
|---------------------|---|
| Number of Positions | 9 |
|---------------------|---|



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

Body Features

| | |
|---------------------------------|-----------------|
| Strain Relief Part Number | 747275-4 |
| Color | Black |
| Cover Material | Thermoplastic |
| Ribbon Cable Centerline Spacing | 1.27 mm[.05 in] |

Contact Features

| | |
|---|-----------------|
| Contact Type | Socket |
| | 30 μin |
| Contact Mating Area Plating Material | Gold |
| Contact Underplating Material | 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 (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[.055 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 | Tube |
|------------------|------|

| | |
|--------------------|----|
| Packaging Quantity | 40 |
|--------------------|----|

Other

| | |
|---------------------------|----------|
| Optional Cable Stabilizer | 747275-4 |
|---------------------------|----------|

| | |
|---------|--|
| 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: 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

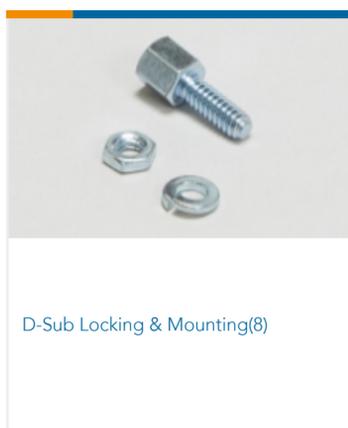
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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



Also in the Series | AMPLIMITE HDF



Documents

Product Drawings

09 POS HDF RCPT, AP, LEAD FREE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1658609-4_A.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_1658609-4_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1658609-4_A.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

Product Environmental Compliance

[MD_1658609-4_05292013635_dmtec](#)

English

[MD_1658609-4_05292013635_dmtec](#)

English

Agency Approvals

[UL Report](#)

English