

8-106505-2 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HDP

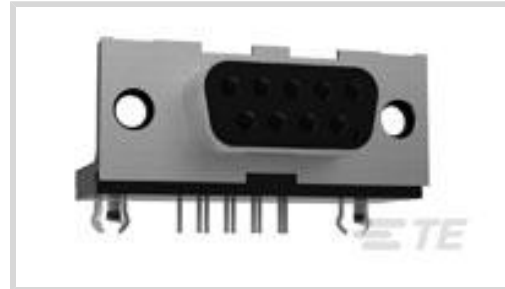
TE Internal #: 8-106505-2

PCB D-Sub Connectors, Receptacle, Cable-to-Board, 9 Position,
2.74 mm [.108 in] Centerline, 2 Row, Size 1, Round, Standard Profile,
AMPLIMITE HDP

[View on TE.com >](#)



Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > D-Sub Receptacle Assembly: Right Angle, Shell Size 1, 2.74mm



Connector & Housing Type: **Receptacle**

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

Number of Positions: **9**

Centerline (Pitch): **2.74 mm [.108 in]**

Number of Rows: **2**

[All D-Sub Receptacle Assembly: Right Angle, Shell Size 1, 2.74mm \(77\)](#)

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Grounding Indents | Without |
| Grounding Straps | With |
| Footprint | 10.31 mm[.406 in] |
| Shell Type | Front Metal Shell |
| Connector & Housing Type | Receptacle |
| Connector System | Cable-to-Board |
| D-Sub Shell Size | 1 |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |
| Product Type | Connector |

Configuration Features

| | |
|-----------------------|-------------|
| Performance Level | Level 2 |
| Number of Positions | 9 |
| Number of Rows | 2 |
| PCB Mount Orientation | Right Angle |
| Preloaded | Yes |

Body Features



| | |
|------------------------|----------|
| Plastic | No |
| Connector Profile | Standard |
| Post Size | .7 mm |
| Color | Black |
| Shell Plating Material | Tin |
| Shell Material | Steel |

Contact Features

| | |
|---|--|
| Contact Mating Area Plating Material | Gold, Gold Flash over Palladium Nickel |
| Contact Underplating Material | Palladium Nickel or Nickel |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Base Material | Phosphor Bronze |
| Contact Shape & Form | Round |
| Contact Current Rating (Max) | 6 A |
| Contact Mating Area Plating Thickness | .76 μ m |

Termination Features

| | |
|---|-----------------------|
| Grounding Clips | Without |
| Termination Method to Printed Circuit Board | Through Hole - Solder |
| Termination Post Length | 3.2 mm [.126 in] |

Mechanical Attachment

| | |
|--------------------------|---------------|
| PCB Mount Alignment | With |
| Panel Mount Feature | Without |
| PCB Mount Retention | With |
| PCB Mount Retention Type | Mounting Hole |
| Mating Retention | With |
| Mating Retention Type | Screwlock |
| Connector Mounting Type | Board Mount |
| Mating Alignment | With |

Housing Features

| | |
|--------------------|-------------------|
| Centerline (Pitch) | 2.74 mm [.108 in] |
| Housing Material | Polyester GF |
| Housing Color | Black |

Dimensions



| | |
|--------------------|----------------|
| Row-to-Row Spacing | 2.54 mm[.1 in] |
|--------------------|----------------|

| | |
|-----------------------------|------------------|
| PCB Thickness (Recommended) | 1.57 mm[.062 in] |
|-----------------------------|------------------|

Usage Conditions

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

Operation/Application

| | |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Industry Standards

| | |
|--------------------|-----------|
| Approved Standards | DIN 41652 |
|--------------------|-----------|

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

Packaging Features

| | |
|------------------|------|
| Packaging Method | Tray |
|------------------|------|

| | |
|--------------------|----|
| Packaging Quantity | 55 |
|--------------------|----|

Other

| | |
|---------------------|--------|
| Installation Height | 7.3 mm |
|---------------------|--------|

Product Compliance

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

| | |
|------------------------------|---------------------------|
| EU RoHS Directive 2011/65/EU | Compliant with Exemptions |
|------------------------------|---------------------------|

| | |
|-----------------------------|---------------------------|
| EU ELV Directive 2000/53/EC | Compliant with Exemptions |
|-----------------------------|---------------------------|

| | |
|---|--------------------------------------|
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold |
|---|--------------------------------------|

| | |
|--|--|
| EU REACH Regulation (EC) No. 1907/2006 | <p>Current ECHA Candidate List: JUNE 2022 (224)</p> <p>Candidate List Declared Against: JUL 2021 (219)</p> <p>SVHC > Threshold:</p> <p>Pb (.35% in Component part)</p> <p>Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.</p> |
|--|--|

| | |
|-----------------|--|
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
|-----------------|--|

| | |
|---------------------------|------------------------------|
| Solder Process Capability | Wave solder capable to 265°C |
|---------------------------|------------------------------|

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

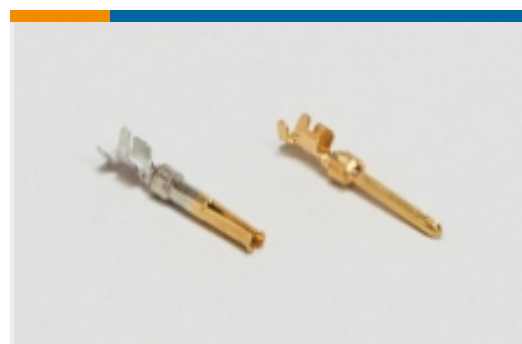


TE Part # CAT-AM7-H3
IDC D-Sub: Plug Assembly, Low Profile, Signal, 2.77 mm



TE Part # CAT-AM7-248H4
IDC D-Sub: Connector Kit, Plug, Wire to Wire, Signal, 2.77 mm

Also in the Series | AMPLIMITE HDP



D-Sub Connector Contacts(6)



PCB D-Sub Connectors(88)

Documents

Product Drawings

[9P.HDP20 REC.ASSY.](#)

English

CAD Files

[3D PDF](#)

[3D](#)

Customer View Model

[ENG_CVM_CVM_8-106505-2_J.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_8-106505-2_J.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_8-106505-2_J.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 - Right-Angle Posted Connectors](#)

English

Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English