# 5-338309-2 ✔ ACTIVE

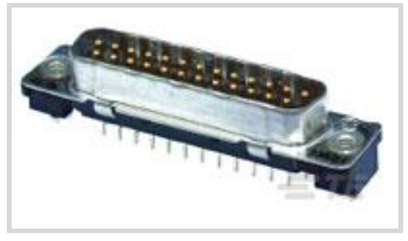
AMPLIMITE | AMPLIMITE HDP-20

TE Internal #: 5-338309-2

9 Position D-Shaped Connector, Plug, Cable-to-Board, Board Mount, Shell Size 1, 2.74 mm [.108 in] Centerline, Printed Circuit Board, AMPLIMITE HDP-20

View on TE.com >

Connectors > D-Shaped Connectors > D-Sub Plug Assembly: Standard, Vertical, Shell Size 1, 2.74mm



Number of Positions: **9**

Connector & Housing Type: **Plug**

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

Connector Mounting Type: **Board Mount**

Connector Shell Size: **1**

All D-Sub Plug Assembly: Standard, Vertical, Shell Size 1, 2.74mm (28)

## Features

### Product Type Features

| | |
|---|---|
| Shell Material Configuration | Front Metal Shell |
| Connector & Housing Type | Plug |
| Connector System | Cable-to-Board |
| Connector Shell Size | 1 |
| Connector & Contact Terminates To | Printed Circuit Board |

### Configuration Features

| | |
|---|---|
| Number of Positions | 9 |
| Number of Rows | 2 |
| PCB Mount Orientation | Vertical |

### Body Features

| | |
|---|---|
| Assembly Process Feature Material | Phosphor Bronze |
| Shell Plating Material | Tin |
| Primary Product Color | Black |
| Connector Profile | Standard |

### Contact Features

| | |
|---|---|
| | 30 µin |
| Contact Underplating Material | Nickel |

| | |
|---|---|
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Base Material | Phosphor Bronze |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Shape & Form | Round |
| Contact Current Rating (Max) | 6 A |
| Contact Options | Installed |

## Termination Features

| | |
|---|---|
| Rectangular Termination Post & Tail Width | .45 mm[.017 in] |
| Rectangular Termination Post & Tail Thickness | .32 mm[.012 in] |
| Termination Method to PCB | Through Hole - Solder |
| Termination Post & Tail Length | 3.2 mm[.126 in] |

## Mechanical Attachment

| | |
|---|---|
| Mounting Hole Diameter | 5 mm |
| Assembly Process Feature Plating Material | Tin |
| Connector Mounting Type | Board Mount |
| PCB Mount Retention | With |
| PCB Mount Retention Type | Mounting Hole |
| Mating Retention | Without |
| Mating Retention Type | Threaded Insert, 4-40 UNC |

## Housing Features

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

## Dimensions

| | |
|---|---|
| PCB Thickness (Recommended) | 1.6 mm[.063 in] |
| Row-to-Row Spacing | 2.84 mm[.112 in] |

## Usage Conditions

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

## Operation/Application

| | |
|---|---|
| Durability Rating | 200 Cycles |
| Shielded | No |
| Circuit Application | Signal |

## Industry Standards

| | |
|---|---|
| UL Flammability Rating | UL 94V-0 |
| Compatible With Approved Standards Products | DIN 41652 |

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 55 |
| Packaging Method | Tray |

# 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 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>SVHC > Threshold:<br>Pb (.35% in 74025572)<br>**Article Safe Usage Statements:**<br>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. |
| 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 # 747516-7
09 HDE PMOLD RCPT, LEAD FREE



TE Part # CAT-AM7-248H8
IDC D-Sub: Receptacle Assembly, Wire to Wire, Signal, 2.74 mm

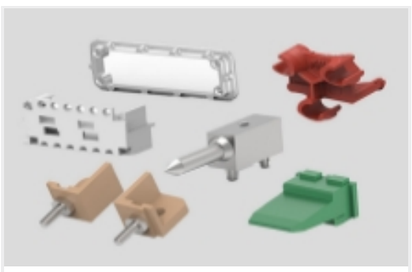


TE Part # 1-747943-5
KIT,RCPT,9P,HDE,SHLD ENCLSRE

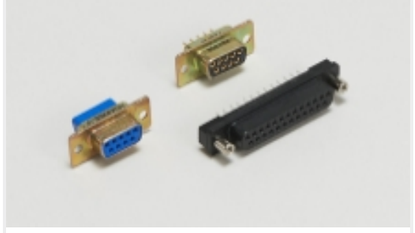


TE Part # CAT-AM7-253
IDC D-Sub: Receptacle Assembly, Low Profile, Signal, 2.77 mm

## Also in the Series | AMPLIMITE HDP-20



Connector Hardware(7)

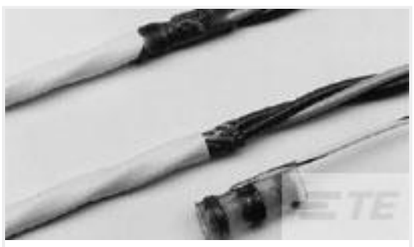


D-Shaped Connectors(18)

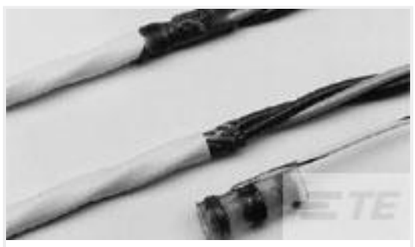


PCB D-Sub Connectors(18)

## Customers Also Bought



TE Part #344848-000
SO63-5-00



TE Part #359434-000
SO63-4-00



TE Part #ASA021F01620235000
623 PLUG



TE Part #2-826646-0
20P AMPMODU II STIFT LEI



TE Part #4-1393249-5
W58-XC4C12A-3=W58



TE Part #1462052-3
HF6 53 = 50OHM 140MW 5V MONO

TE Part #AEA385M0400002K000
627 RECEPTACLE, 26-PIN

TE Part #ASA385M0459001K000
627 PLUG, 26-PIN

TE Part #ASA384F0159001K000
627 PLUG, 26-PIN

TE Part #AEA384F0100002K000
627 RECEPTACLE, 26-PIN

# Documents

## Product Drawings

9P.HDP20 PLUG ASSY

English

## CAD Files

Customer View Model

ENG_CVM_CVM_5-338309-2_E.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-338309-2_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-338309-2_E.3d_stp.zip

English

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## Agency Approvals

UL Report

English