# 5745071-4 ✔ ACTIVE

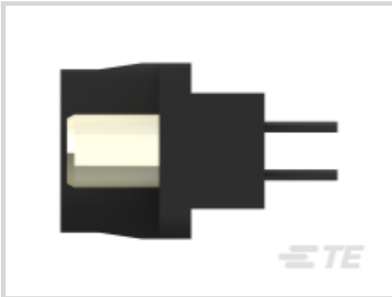
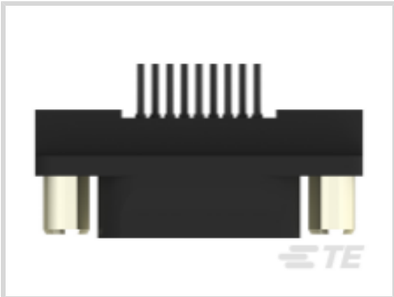
AMPLIMITE

TE Internal #: 5745071-4

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

View on TE.com >

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

Connector & Housing Type: **Plug**

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

Number of Positions: **9**

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

Number of Rows: **2**

All D-Sub Plug Assembly: Standard, Vertical, Shell Size 1, 2.74mm (50)

## Features

### Product Type Features

| | |
|---|---|
| Grounding Straps | Without |
| Grounding Indents | Without |
| Grounded | No |
| Shell Type | All Plastic |
| Connector & Housing Type | Plug |
| Connector System | Board-to-Board |
| D-Sub Shell Size | 1 |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |
| Shielded | No |
| Product Type | Connector |

### Configuration Features

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

| | |
|---|---|
| Number of Rows | 2 |
| PCB Mount Orientation | Vertical |
| Preloaded | Yes |

## Body Features

| | |
|---|---|
| Plastic | Yes |
| Female Screwlock Material | Brass |
| Female Screwlock Plating Material | Nickel over Copper Flash |
| Connector Profile | Standard |
| Post Size | .66 mm[.026 in] |

## Contact Features

| | |
|---|---|
| Contact Mating Area Plating Material | Gold |
| Contact Underplating Material | Nickel |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Base Material | Brass |
| Contact Shape & Form | Round |
| Contact Current Rating (Max) | 6 A |
| | 30 µin |

## Termination Features

| | |
|---|---|
| Grounding Clips | Without |
| Termination Method to Printed Circuit Board | Through Hole - Solder |
| Termination Post Length | 4.32 mm[.17 in] |

## Mechanical Attachment

| | |
|---|---|
| Panel Mount Feature | Without |
| PCB Mount Retention | With |
| PCB Mount Retention Type | Mounting Hole |
| Mating Retention | With |
| Mating Retention Type | Female Screwlocks, Fixed |
| Connector Mounting Type | Board Mount |
| Mounting Hole Diameter | 3.05 mm[.12 in] |

## Housing Features

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

| | |
|---|---|
| Housing Color | Black |

### Dimensions

| | |
|---|---|
| Row-to-Row Spacing | 2.84 mm[.112 in] |
| PCB Thickness (Recommended) | 2.36 – 3.18 mm[.093 – .125 in] |

### Usage Conditions

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

### Operation/Application

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

### Industry Standards

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

### Packaging Features

| | |
|---|---|
| Packaging Method | Tube |
| Packaging Quantity | 17 |

### Other

| | |
|---|---|
| Comment | Plugs are preloaded with size 20 DF posted pin contacts |

## Product Compliance

For compliance documentation, visit the product page on TE.com>

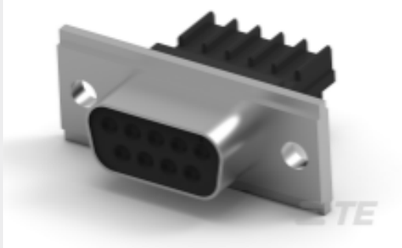
| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant with Exemptions |
| EU ELV Directive 2000/53/EC | Compliant with Exemptions |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2022 (224)<br>Candidate List Declared Against: JUNE 2022 (224)<br>SVHC > Threshold:<br>Pb (2.5% in Component Part)<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 # CAT-AM7-253
IDC D-Sub: Receptacle Assembly, Low Profile, Signal, 2.77 mm



TE Part # 745201-7
09 HDE AP RECEPT, LEAD FREE

TE Part # 3-1393483-8
V42254A1115B209=SUB D FEDERLEI

## Documents

### Product Drawings

HD-20 PLUG 9P VERT FFSCRLK

English

### CAD Files

3D PDF

English

Customer View Model

ENG_CVM_5745071-4_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_5745071-4_A.3d_igs.zip

English

Customer View Model

ENG_CVM_5745071-4_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 - Straight Posted Connectors

English

### Product Specifications

Product Specification

English

## Product Environmental Compliance

MD_5745071-4_09152011130

English

MD_5745071-4_09152011130

English

## Agency Approvals

UL Report

English