# 745968-7 ✔ ACTIVE

AMPLIMITE | AMPLIMITE HD-20

TE Internal #: 745968-7

25 Position D-Shaped Connector, Plug, Board-to-Board, Board Mount, Shell Size 3, 2.77 mm [.109 in] Centerline, Printed Circuit Board, AMPLIMITE HD-20

View on TE.com >

Connectors > D-Shaped Connectors > D-Sub Plug Assembly: Vertical, Shell Size 3, 2.74mm



Number of Positions: **25**

Connector & Housing Type: **Plug**

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

Connector Mounting Type: **Board Mount**

Connector Shell Size: **3**

All D-Sub Plug Assembly: Vertical, Shell Size 3, 2.74mm (28)

## Features

### Product Type Features

| | |
|---|---|
| Ground Feature Type | Grounding Indents |
| Shell Material Configuration | Front Metal Shell |
| Connector & Housing Type | Plug |
| Connector System | Board-to-Board |
| Connector Shell Size | 3 |
| Connector & Contact Terminates To | Printed Circuit Board |

### Configuration Features

| | |
|---|---|
| Number of Positions | 25 |
| Number of Rows | 2 |
| PCB Mount Orientation | Vertical |

### Body Features

| | |
|---|---|
| Insert Material | Brass |
| Shell Plating Material | Tin |
| Mating Retention Feature Material | Brass |
| Primary Product Color | Black |
| Connector Profile | Standard |

### Contact Features

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

## Termination Features

| | |
|---|---|
| Termination Post & Tail Diameter | .66 mm[.026 in] |
| Termination Method to PCB | Through Hole - Solder |
| Termination Post & Tail Length | 3.18 mm[.125 in] |

## Mechanical Attachment

| | |
|---|---|
| Mounting Hole Diameter | 3.05 mm[.12 in] |
| Connector Mounting Type | Board Mount |
| PCB Mount Retention | With |
| PCB Mount Retention Type | Mounting Hole |
| Mating Retention | With |
| Mating Retention Type | Threaded Insert, 4-40 UNC |

## Housing Features

| | |
|---|---|
| Housing Material | Polyester |
| Shell Material | Carbon Steel |
| Centerline (Pitch) | 2.77 mm[.109 in] |

## Dimensions

| | |
|---|---|
| PCB Thickness (Recommended) | 1.57 – 2.36 mm[.062 – .093 in] |
| Row-to-Row Spacing | 2.84 mm[.112 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 |
| Compatible With Approved Standards Products | UL E28476 |

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 10 |
| Packaging Method | Tube |

## Product Compliance

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

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Not Compliant |
| 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: JAN 2025 (247)<br>SVHC > Threshold:<br>Pb (13% in 4690948374)<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 | Not lead free process capable |

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 # 1-747947-7
KIT,RCPT,25P,HDE,SHLD ENCLSRE

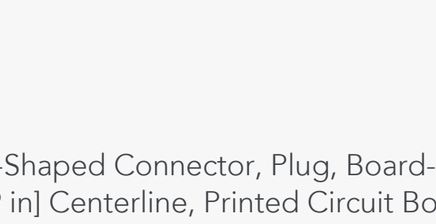


TE Part # 5-747913-2
25 Rcpt Solder Cup, Gold Flash

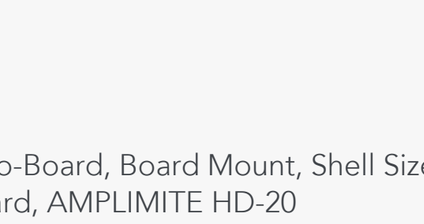


TE Part # 2-745495-0
25 HDE MS RCPT,22-26,LEAD FREE

## Also in the Series | AMPLIMITE HD-20

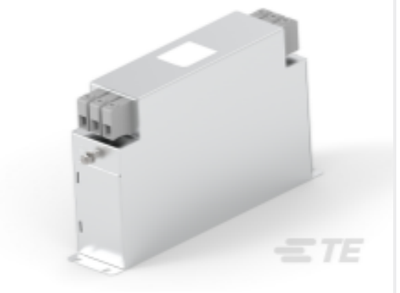


D-Shaped Connectors(285)



PCB D-Sub Connectors(285)

## Customers Also Bought



TE Part #818004-SF
FN3288IT-10-44-C34-R60



TE Part #6-338314-2
15POS.HD20 REC.ASSY



TE Part #6-338315-2
25P.HDP20 REC.ASSY



TE Part #650860-5
064 EURO TYPE B RECEPT ST ASSY



TE Part #747150-7
09 RCPT SP/FMS INSRT



TE Part #747871-8
09 PLUG SP/FMS INSRT



TE Part #1622576-1
LR1 1% 820R

## Documents

### Product Drawings

25 PLUG SP/FMS INSRT

English

### CAD Files

3D PDF

3D

## Customer View Model

ENG_CVM_CVM_745968-7_N.2d_dxf.zip

English

## Customer View Model

ENG_CVM_CVM_745968-7_N.3d_igs.zip

English

## Customer View Model

ENG_CVM_CVM_745968-7_N.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

## Product Specifications

### Application Specification

English