# 745886-1 ✔ ACTIVE

AMPLIMITE | AMPLIMITE HD-20

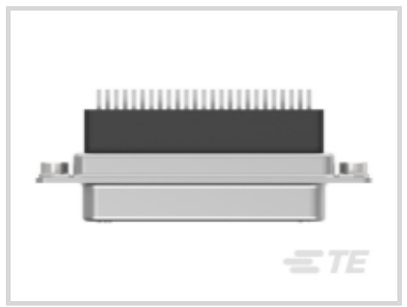
TE Internal #: 745886-1

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

View on TE.com >

Connectors > D-Shaped Connectors > D-Sub Receptacle Assembly: Vertical, Shell Size 3, 2.77mm







Number of Positions: **25**

Connector & Housing Type: **Receptacle**

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

Connector Mounting Type: **Board Mount**

Connector Shell Size: **3**

All D-Sub Receptacle Assembly: Vertical, Shell Size 3, 2.77mm (35)

## Features

### Product Type Features

| | |
|---|---|
| Shell Material Configuration | Full Metal Shell |
| Connector & Housing Type | Receptacle |
| 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 | Thermoplastic |
| Shell Plating Material | Tin |

| | |
|---|---|
| Primary Product Color | Black |
| Connector Profile | High |

## Contact Features

| | |
|---|---|
| | 30 µin |
| Contact Underplating Material | Palladium Nickel |
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Base Material | Phosphor Bronze |
| PCB Contact Termination Area Plating Material | Tin-Lead |
| Contact Shape & Form | Square |
| Contact Current Rating (Max) | 6 A |
| Contact Options | Installed |

## Termination Features

| | |
|---|---|
| Termination Method to PCB | Through Hole - Solder |
| Termination Post & Tail Length | 3.18 mm[.125 in] |
| Square Termination Post & Tail Dimension | .63 mm[.025 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 | Clinch Nut, 4-40 UNC |

## Housing Features

| | |
|---|---|
| Housing Material | Nylon GF, PBT GF |
| 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: JUNE 2025 (250)<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

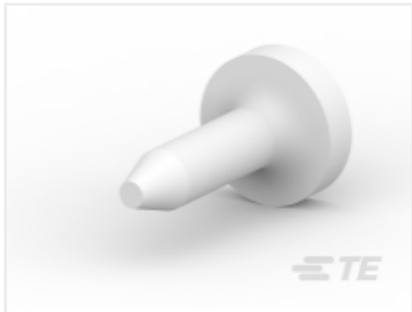
## Compatible Parts



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

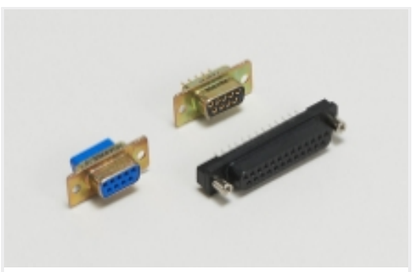


TE Part # CAT-AM7-H3
IDC D-Sub: Plug Assembly, Low Profile, Signal, 2.77 mm

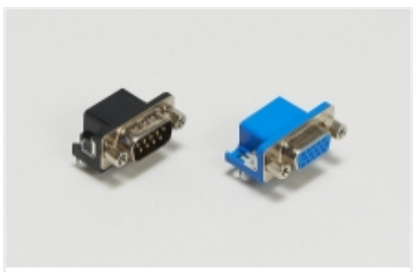


TE Part # 206509-1
SIZE 20 KEYING PLUG

## Also in the Series | AMPLIMITE HD-20



D-Shaped Connectors(285)



PCB D-Sub Connectors(285)

## Customers Also Bought



TE Part #800354-SF
FN286-6-06



TE Part #CAT-AM74-UN384H
AMP-LATCH UNIVERSAL HEADERS



TE Part #3-641190-5
05P MTA100 CONN ASSY RED LF



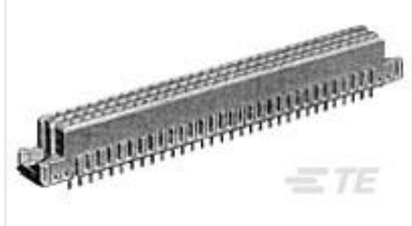
TE Part #745781-4
09 MSFL RCPT RA 318 (IN,FM)



TE Part #1445336-2
LOOSE PC CONTACT 15 AU PLATED



TE Part #5520425-3
MJ,TE,6P/6C,BULK PAC



TE Part #5535089-5
ASSEMBLY,RECEPTACLE,EUROCARD, T



TE Part #5745185-1
15 RCPT SP/MS STD



TE Part #5745959-1
25 PLUG SP/MS CNUT

# Documents

## Product Drawings

25 RCPT SP/MS CNUT

English

## CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_745886-1_Z.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_745886-1_Z.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_745886-1_Z.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