

2-5747706-0 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HD-20

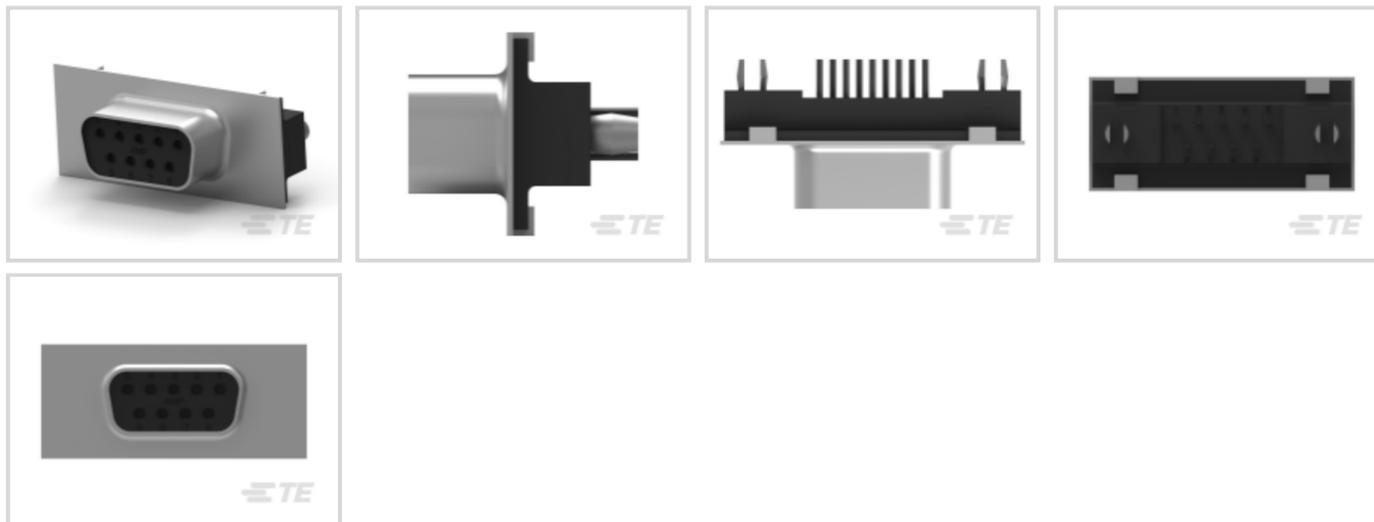
TE Internal #: 2-5747706-0

9 Position D-Shaped Connector, Receptacle, Board-to-Board,  
Board Mount, Shell Size 1, 2.74 mm [.108 in] Centerline, AMPLIMITE  
HD-20

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



Number of Positions: 9

Connector & Housing Type: Receptacle

Connector System: Board-to-Board

Connector Mounting Type: Board Mount

Connector Shell Size: 1

[All D-Sub Receptacle Assembly: Vertical, Shell Size 1, 2.74mm \(37\)](#)

## Features

### Product Type Features

Shell Material Configuration	Front Metal Shell
Connector & Housing Type	Receptacle
Connector System	Board-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	Brass
Shield Plating Material	Tin



Insert Material	Brass
Shield Material	Steel
Shell Plating Material	Tin
Primary Product Color	Black
Connector Profile	Standard

### Contact Features

	30 µin
Contact Underplating Material	Copper
PCB Termination Area Plating Finish	Bright
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

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	3.07 mm[.121 in]
Assembly Process Feature Plating Material	Tin over Copper
Connector Mounting Type	Board Mount
PCB Mount Retention	With
PCB Mount Retention Type	4-40 Retention Insert
Mating Retention	Without

### Housing Features

Housing Material	Thermoplastic
Shell Material	Carbon Steel
Centerline (Pitch)	2.74 mm[.108 in]

### Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
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Row-to-Row Spacing 2.84 mm[.112 in]

**Usage Conditions**

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

**Operation/Application**

Shielded Yes  
 Circuit Application Signal

**Industry Standards**

UL Flammability Rating UL 94V-0  
 Compatible With Approved Standards Products UL E28476

**Packaging Features**

Packaging Quantity 17  
 Packaging Method Tube

**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	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Pb (3.7% in 74019790) <small><b>Article Safe Usage Statements:</b>                  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.</small>
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

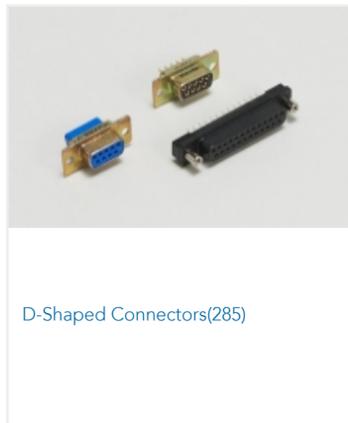


as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

### Compatible Parts



### Also in the Series | AMPLIMITE HD-20



### Customers Also Bought





## Documents

### Product Drawings

[09 RCPT SP/FMS BRDLK](#)

English

### CAD Files

[3D PDF](#)

English

Customer View Model

[ENG\\_CVM\\_2-5747706-0\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_2-5747706-0\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_2-5747706-0\\_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

[Application Specification](#)

English