



AMPLIMITE | AMPLIMITE HD-20

TE Internal #: 5745054-4

TE Internal Description: HD-20 PLUG 37P VERT THD INS

D-Sub Plug Assembly: Vertical, Shell Size 4, 2.74mm

[View on TE.com >](#)

Connectors > D-Shaped Connectors > D-Sub Plug Assembly: Vertical, Shell Size 4, 2.74mm



Number of Positions: 37

Connector & Housing Type: Plug

Connector System: Board-to-Board

Connector Mounting Type: Board Mount

Connector Shell Size: 4

[All D-Sub Plug Assembly: Vertical, Shell Size 4, 2.74mm \(13\)](#)

## Features

### Product Type Features

Shell Material Configuration	All Plastic
Connector & Housing Type	Plug
Connector System	Board-to-Board
Connector Shell Size	4
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

PCB Mount Orientation	Vertical
Number of Rows	2
Number of Positions	37

### Body Features

Mating Retention Feature Material	Brass
Primary Product Color	Black
Connector Profile	Standard

### Contact Features

Contact Underplating Material	Nickel
	30 μin
Contact Shape & Form	Round

Contact Mating Area Plating Material	Gold (Au)
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Contact Base Material	Brass
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PCB Contact Termination Area Plating Material	Tin
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Contact Current Rating (Max)	6 A
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Contact Options	Installed
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### Termination Features

Termination Post & Tail Diameter	.66 mm[.026 in]
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Termination Method to PCB	Through Hole - Solder
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Termination Post & Tail Length	4.32 mm[.17 in]
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### Mechanical Attachment

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

Housing Material	Polyester
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Centerline (Pitch)	2.77 mm[.109 in]
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### Dimensions

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

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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### Operation/Application

Shielded	No
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Circuit Application	Signal
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### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	7
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Packaging Method	Tube
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## 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	<p>Current ECHA Candidate List: JAN 2025 (247)</p> <p>Candidate List Declared Against: JUNE 2024 (241)</p> <p>SVHC &gt; Threshold:</p> <p>Pb (3.7% in Component Part)</p> <p><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.</p>
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

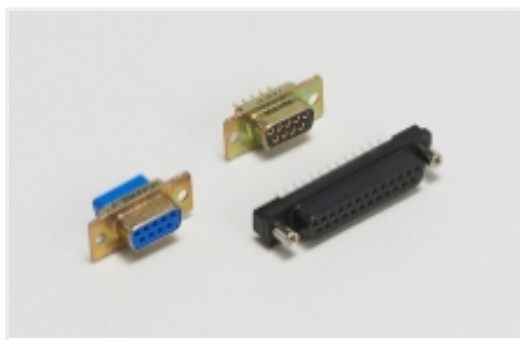
### Product Compliance Disclaimer

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**

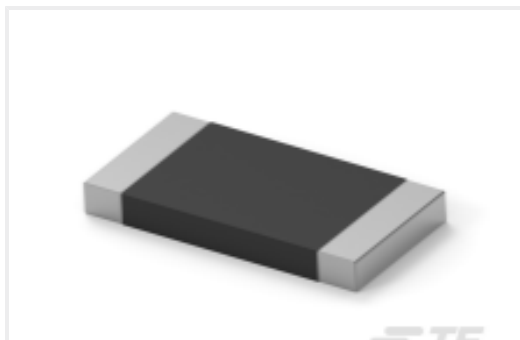


D-Shaped Connectors(285)



PCB D-Sub Connectors(285)

## Customers Also Bought



TE Part #1-2176421-8  
TLRP 2512 2.0W R020 1% 25PPM 4K RL



TE Part #1-640455-5  
15P MTA100 HDR ASSY SQ R/A POL



TE Part #2-826634-0  
MOD2 PIN HEADER 20P



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



TE Part #1676239-2  
RN 0805 1K65 0.1% 10PPM 1KRL



TE Part #2081888-1  
EP-SMA,ADAPTER,STRAIGHT,27GHZ,  
F TO M



TE Part #2-5747706-0  
09 RCPT SP/FMS BRDLK



TE Part #350713-1  
12P UMNL PIN HDR ASSY 94VO



TE Part #5-104362-5  
06 MTE HDR SRST LATCH W/HLDWN

## Documents

### Product Drawings

[HD-20 PLUG 37P VERT THD INS](#)

English

### CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_5745054-4\\_A.2d\\_dxf.zip](#)



English

Customer View Model

[ENG\\_CVM\\_CVM\\_5745054-4\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5745054-4\\_A.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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### Datasheets & Catalog Pages

[AMPLIMITE Subminiature D Connectors - Straight Posted Connectors](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Agency Approvals

[UL Report](#)

English