

5747190-1 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HD-20

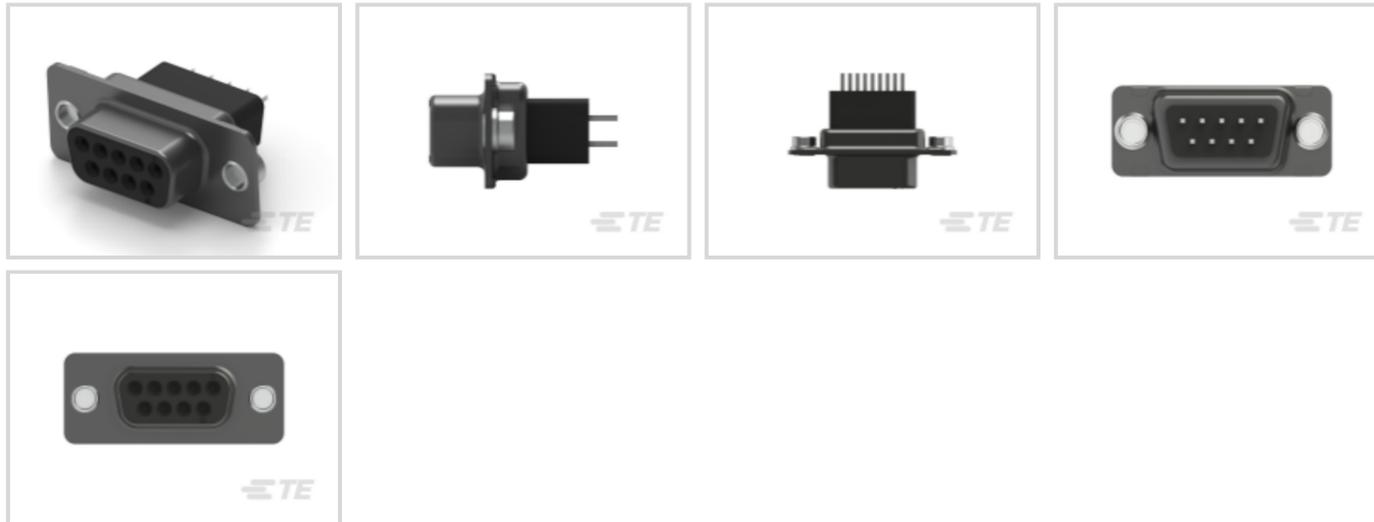
TE Internal #: 5747190-1

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

[View on TE.com >](#)



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	Full 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

Insert Material	Thermoplastic
Shell Plating Material	Tin



Primary Product Color	Black
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Connector Profile	High
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Contact Features

Contact Underplating Material	Nickel
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Contact Mating Area Plating Material	Gold Flash
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Contact Base Material	Phosphor Bronze
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PCB Contact Termination Area Plating Material	Tin
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Contact Shape & Form	Square
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Contact Current Rating (Max)	6 A
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Contact Options	Installed
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Termination Features

Termination Method to PCB	Through Hole - Solder
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Termination Post & Tail Length	3.18 mm[.125 in]
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Square Termination Post & Tail Dimension	.63 mm[.025 in]
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Mechanical Attachment

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

Housing Material	Nylon GF, PBT GF
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Shell Material	Carbon Steel
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Centerline (Pitch)	2.74 mm[.108 in]
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Dimensions

PCB Thickness (Recommended)	1.57 – 2.36 mm[.062 – .093 in]
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Row-to-Row Spacing	2.84 mm[.112 in]
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Usage Conditions

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

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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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
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No 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) Does not contain REACH SVHC
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 # 1-747944-6
 KIT, PLUG, 9P, HDE, SHLD ENCLSR

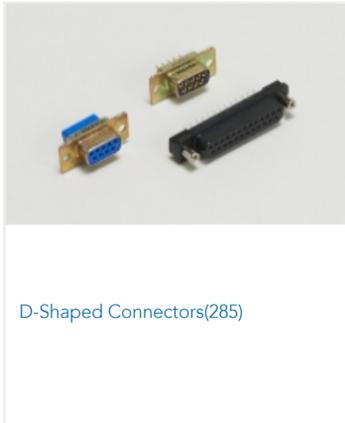


TE Part # 2-745492-0
 PLUG ASSY, 9P, HDE, MS



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 #6-104068-2
 26 SYSTEM 50 HDR DRST SHRD



TE Part #6-104069-3
 26 sys 50 hdr drra shrd sn



TE Part #6-104074-0
 08 SYSTEM 50 HDR SRRA SHRD SN



TE Part #6-104074-1
 12 SYSTEM 50 HDR SRRA SHRD SN



TE Part #3-794631-4
 04P MICRO MNL ASSY, VRT, HDR LF



TE Part #9-1617748-2
 FCA-210-0919M=M83536/9-019M



TE Part #1617754
 FCA-410-1517M=M83536/15-017M



TE Part #4-1617758-4
 FCB-205-0219M=M83536/2-019M



TE Part #5-2301996-7
 RJ45 JACK INT. MAG. 1GB LED 1X2 INV.



TE Part #530006-2
 DUO TYNE FLAG TERMINAL



Documents

Product Drawings

[09 RCPT SP/MS CNUT](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_5747190-1_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5747190-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5747190-1_B.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

Agency Approvals

[UL Report](#)

English
