

5745183-3 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HD-20

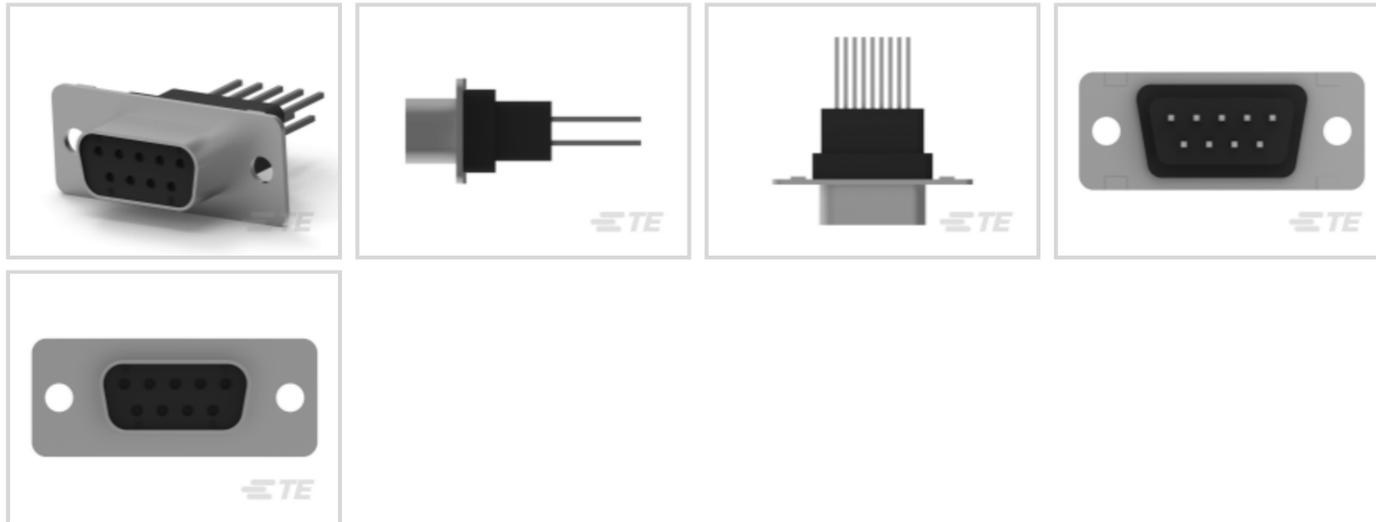
TE Internal #: 5745183-3

9 Position D-Shaped Connector, Receptacle, Board-to-Board,
Board Mount, 1 Shell Size, 2.77 mm [.109 in] Centerline, AMPLIMITE
HD-20

[View on TE.com >](#)



Connectors > D-Shaped Connectors



Number of Positions: 9

Connector & Housing Type: **Receptacle**

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

Connector Mounting Type: **Board Mount**

Connector Shell Size: 1

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	Nylon GF, PBT GF
Shell Plating Material	Tin
Primary Product Color	Black
Connector Profile	Standard



Contact Features

	30 µin
Contact Underplating Material	Nickel
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
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	10.85 mm[.427 in]
Square Termination Post & Tail Dimension	.63 mm[.025 in]

Mechanical Attachment

Mounting Hole Diameter	3.05 mm
Connector Mounting Type	Board Mount
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole
Mating Retention	Without

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]
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Operation/Application

Shielded	No
Circuit Application	Signal

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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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

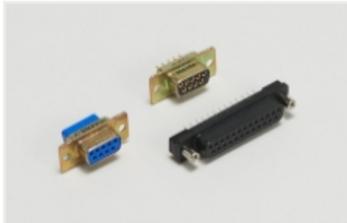
Product Compliance Disclaimer

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



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

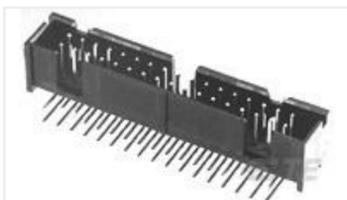


D-Shaped Connectors(285)



PCB D-Sub Connectors(285)

Customers Also Bought

TE Part #5-146280-3
03 MODII HDR SRST B/A .100CLTE Part #350765-4
15P UMNL HDR ASSY PCTE Part #530153-2
TDM SPRING SHUNT ASSY 2 POSTE Part #643416-1
04P UMNL HDR ASSY POL 94VOTE Part #1-770621-0
12P MINI UMNL DBL ROW HDR ASSYTE Part #1676150-2
RN 0805 10K2 0.1% 10PPM 1KRLTE Part #6-2176339-1
CRGCO 0603 1M0 1%TE Part #4-2176406-7
3560 82R 1%TE Part #5103310-3
A/L LOW PRO HDR 16P RA BLACKTE Part #5413879-1
JACK ASSY,RTANG,BNC

Documents

Product Drawings

[09 RCPT SP/MS STD](#)

English

CAD Files

[3D PDF](#)

3D



Customer View Model

[ENG_CVM_CVM_5745183-3_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5745183-3_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5745183-3_B.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English