

745191-7 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HD-20

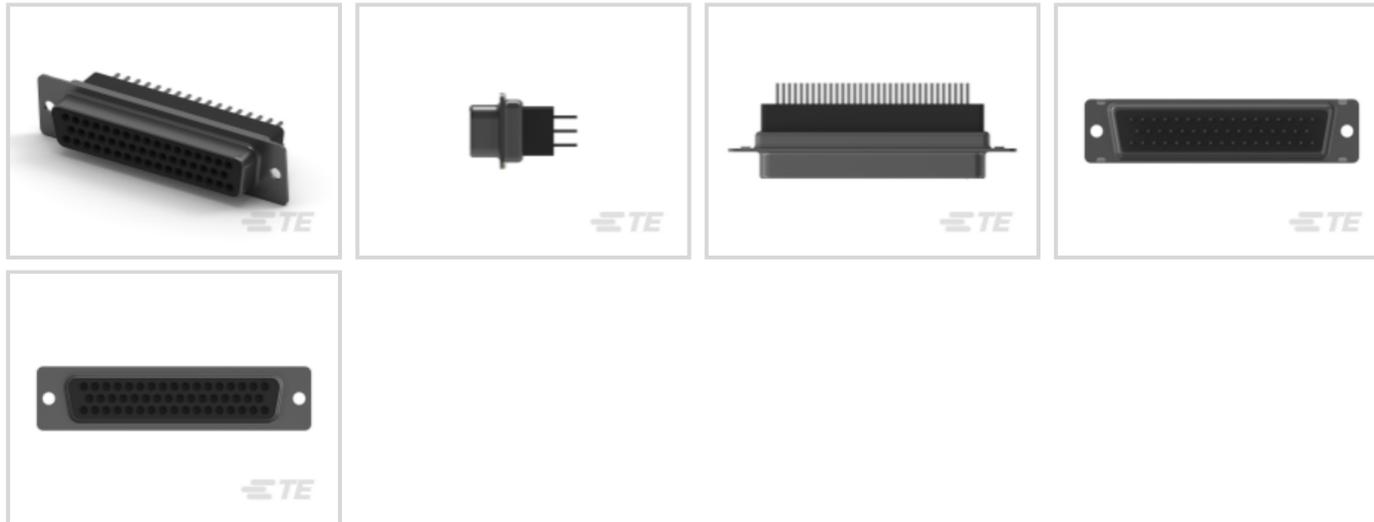
TE Internal #: 745191-7

50 Position D-Shaped Connector, Receptacle, Board-to-Board,
Board Mount, 5 Shell Size, 2.77 mm [.109 in] Centerline, AMPLIMITE
HD-20

[View on TE.com >](#)



Connectors > D-Shaped Connectors > D-Sub Receptacle Assembly: Vertical, Shell Size 5, 2.77mm



Number of Positions: 50

Connector & Housing Type: Receptacle

Connector System: Board-to-Board

Connector Mounting Type: Board Mount

Connector Shell Size: 5

[All D-Sub Receptacle Assembly: Vertical, Shell Size 5, 2.77mm \(7\)](#)

Features

Product Type Features

Shell Material Configuration	Full Metal Shell
Connector & Housing Type	Receptacle
Connector System	Board-to-Board
Connector Shell Size	5
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	50
Number of Rows	3
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

	30 μ m
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Contact Underplating Material	Palladium Nickel
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Contact Mating Area Plating Material	Gold (Au)
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Contact Base Material	Phosphor Bronze
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PCB Contact Termination Area Plating Material	Tin-Lead
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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	4.78 mm [.188 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	Without
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Housing Features

Housing Material	Thermoplastic
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Shell Material	Steel
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Centerline (Pitch)	2.77 mm [.109 in]
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Dimensions

PCB Thickness (Recommended)	2.36 – 3.18 mm [.093 – .125 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
Compatible With Approved Standards Products	UL E28476

Packaging Features

Packaging Quantity	7
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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (13% in 4690948374) Article Safe Usage Statements: 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

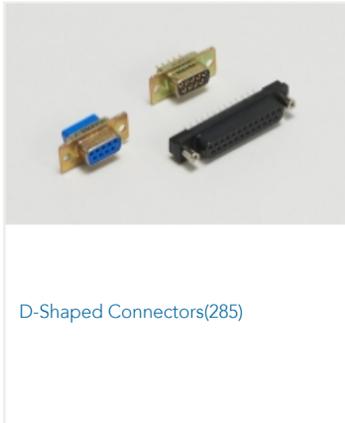
Product Compliance Disclaimer

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>

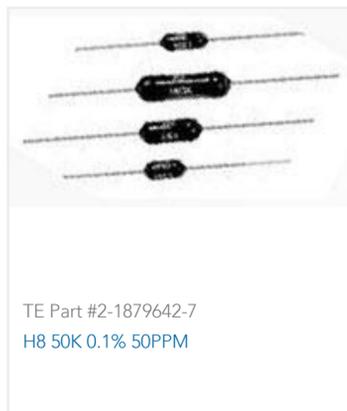
Compatible Parts



Also in the Series | AMPLIMITE HD-20



Customers Also Bought





Documents

Product Drawings

[50 RCPT SP/MS STD](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_745191-7_N.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_745191-7_N.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_745191-7_N.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English