

5205734-1 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HD-20

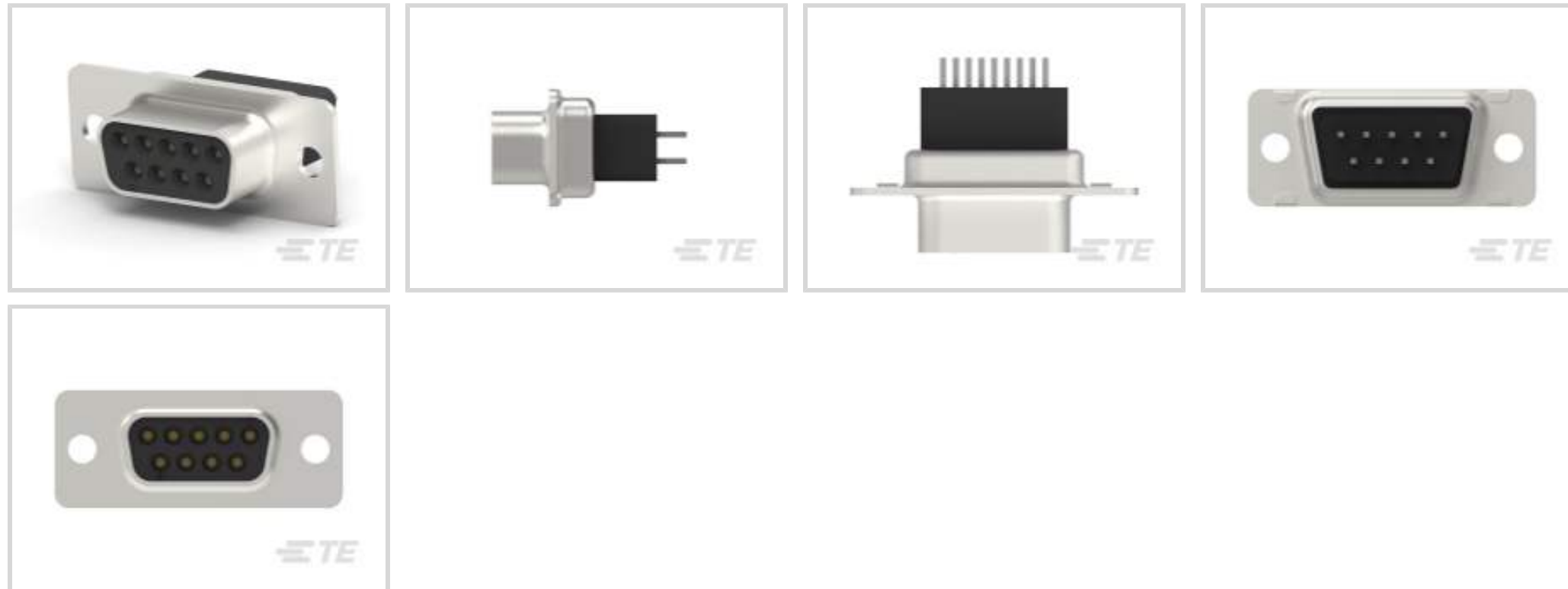
TE Internal #: 5205734-1

PCB D-Sub Connectors, Receptacle, Board-to-Board, 9 Position,  
2.74 mm [.108 in] Centerline, 2 Row, 1 Connector Shell Size, Square,  
AMPLIMITE HD-20

[View on TE.com >](#)



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



Connector & Housing Type: **Receptacle**

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

Number of Positions: **9**

Centerline (Pitch): **2.74 mm [.108 in]**

Number of Rows: **2**

[All D-Sub Receptacle Assembly: Vertical, Shell Size 1, 2.74mm \(59\)](#)

## 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	Polyamide, GV
Shell Plating Material	Zinc



Primary Product Color	Black
-----------------------	-------

Connector Profile	Standard
-------------------	----------

### Contact Features

	30 $\mu$ m
--	------------

Contact Mating Area Plating Material	Gold, Gold Flash over Palladium Nickel
--------------------------------------	--

Contact Underplating Material	Palladium Nickel
-------------------------------	------------------

PCB Contact Termination Area Plating Material	Tin
---	-----

Contact Base Material	Phosphor Bronze
-----------------------	-----------------

Contact Shape & Form	Square
----------------------	--------

Contact Current Rating (Max)	6 A
------------------------------	-----

### Termination Features

Square Termination Post & Tail Dimension	.63 mm[.025 in]
--	-----------------

Termination Post & Tail Length	3.18 mm[.125 in]
--------------------------------	------------------

Termination Method to Printed Circuit Board	Through Hole - Solder
---	-----------------------

### Mechanical Attachment

	.12 in
--	--------

PCB Mount Retention	Without
---------------------	---------

Mating Retention	Without
------------------	---------

Connector Mounting Type	Board Mount
-------------------------	-------------

### Housing Features

Shell Material	Steel
----------------	-------

Housing Material	Glass-Filled Nylon, Glass-Filled PBT
------------------	--------------------------------------

Centerline (Pitch)	2.74 mm[.108 in]
--------------------	------------------

### Dimensions

PCB Thickness (Recommended)	1.57 mm, 2.36 mm[.062 in][.093 in]
-----------------------------	------------------------------------

Row-to-Row Spacing	2.84 mm[.112 in]
--------------------	------------------

### Usage Conditions

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

### Operation/Application

Circuit Application	Signal
---------------------	--------

### Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

## 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: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) 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

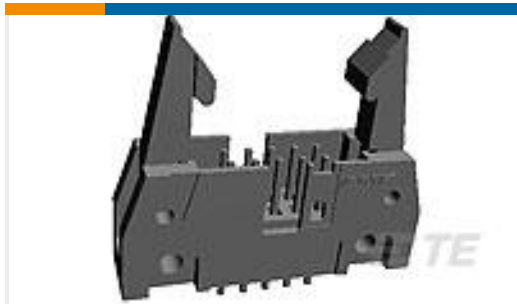


Also in the Series | **AMPLIMITE HD-20**



PCB D-Sub Connectors(353)

## Customers Also Bought

TE Part #5499922-5  
A/L UNIV HDR 24P VERT LG LATTE Part #3-641216-3  
03P MTA100 HDR ASSY FL/RA LFTE Part #350431-4  
06P UMNL PINHDR ASSY V2 NAT LFTE Part #4-641208-4  
14P MTA156 HDR ASSY FL ST LFTE Part #1825008-8  
DRM16RA04=Rot Dip,R/ATE Part #5207872-3  
KIT SCREWLOCK FEMALE (METRIC)TE Part #8-1437651-7  
6PCR-06-006=#6 TRIBARRIERTE Part #1419106-3  
27E023=SOCKET,KH,14,PC,PHEN,BL

## Documents

### Product Drawings

#### 09 RCPT SP/MS STD

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5205734-1\\_C.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5205734-1\\_C.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5205734-1\\_C.3d\\_stp.zip](#)

English

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



---

**Product Specifications**

**Application Specification**

English

---

**Agency Approvals**

**UL Report**

English