

5745183-3 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HD-20

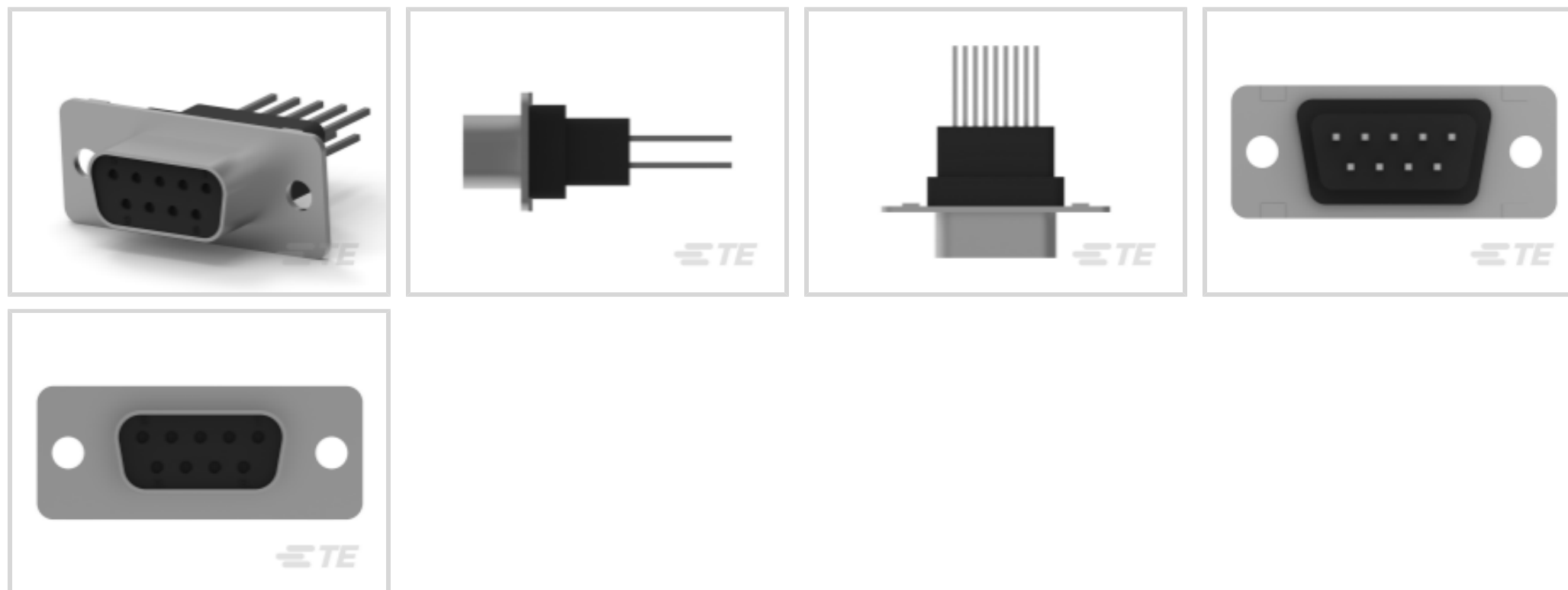
TE Internal #: 5745183-3

PCB D-Sub Connectors, Receptacle, Board-to-Board, 9 Position,  
2.77 mm [.109 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



Connector & Housing Type: **Receptacle**

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

Number of Positions: **9**

Centerline (Pitch): **2.77 mm [.109 in]**

Number of Rows: **2**

## 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 Mating Area Plating Material	Gold
Contact Underplating Material	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	10.85 mm[.427 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

### Mechanical Attachment

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

### Housing Features

Shell Material	Carbon Steel
Housing Material	Nylon GF, PBT GF
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]
-----------------------------	----------------------------

### Operation/Application

Shielded	No
Circuit Application	Signal

### Industry Standards

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



### Packaging Features

Packaging Quantity	17
Packaging Method	Tube

### Other

D-Shaped Connectors Comment	All receptacles are preloaded with size 20 DF posted socket contacts
-----------------------------	--

### 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: JUNE 2023 (235) 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 # CAT-AM7-248H3  
IDC D-Sub: Plug Assembly, Wire to Wire, Signal, 2.77 mm



TE Part # CAT-AM7-H3  
IDC D-Sub: Plug Assembly, Low Profile, Signal, 2.77 mm



TE Part # CAT-AM7-248H4  
IDC D-Sub: Connector Kit, Plug, Wire to Wire, Signal, 2.77 mm



TE Part # 206509-1  
SIZE 20 KEYING PLUG

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



PCB D-Sub Connectors(353)

Customers Also Bought



TE Part #5747841-3  
15 MSFL PLUG RA 318 (IN,FM,BL)



TE Part #5788798-1  
15 HTMSFL ASSY RA 318 (IN,BL)



TE Part #292173-8  
CT BOX HDR H SMT 8P O/TAPE BLA



TE Part #5-103908-5  
06 MTE HDR SRST LATCH W/HLDWN



TE Part #1-770967-0  
03P MINI UMNL R/A HDR ASSY SN



TE Part #643230-1  
04P UMNL HDR ASSY R/A 94VO



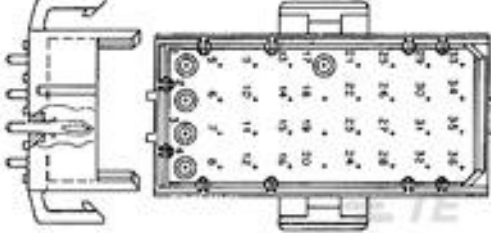
TE Part #3-794682-2  
02P MICRO MNL ASSY,VRT,THRU,LF



TE Part #63824-1  
250 FASTON TAB TPBR



TE Part #YDTS26F17-35SNV001  
PLUG ASSY



TE Part #2-640499-2  
04P MR HDR ASSY VO LF



## 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

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

---

### Product Specifications

#### Application Specification

English

---

### Product Environmental Compliance

#### Product Compliance Document

English

#### Product Compliance Document

English

---

### Agency Approvals

#### UL Report

English