

5745183-1 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HD-20

TE Internal #: 5745183-1

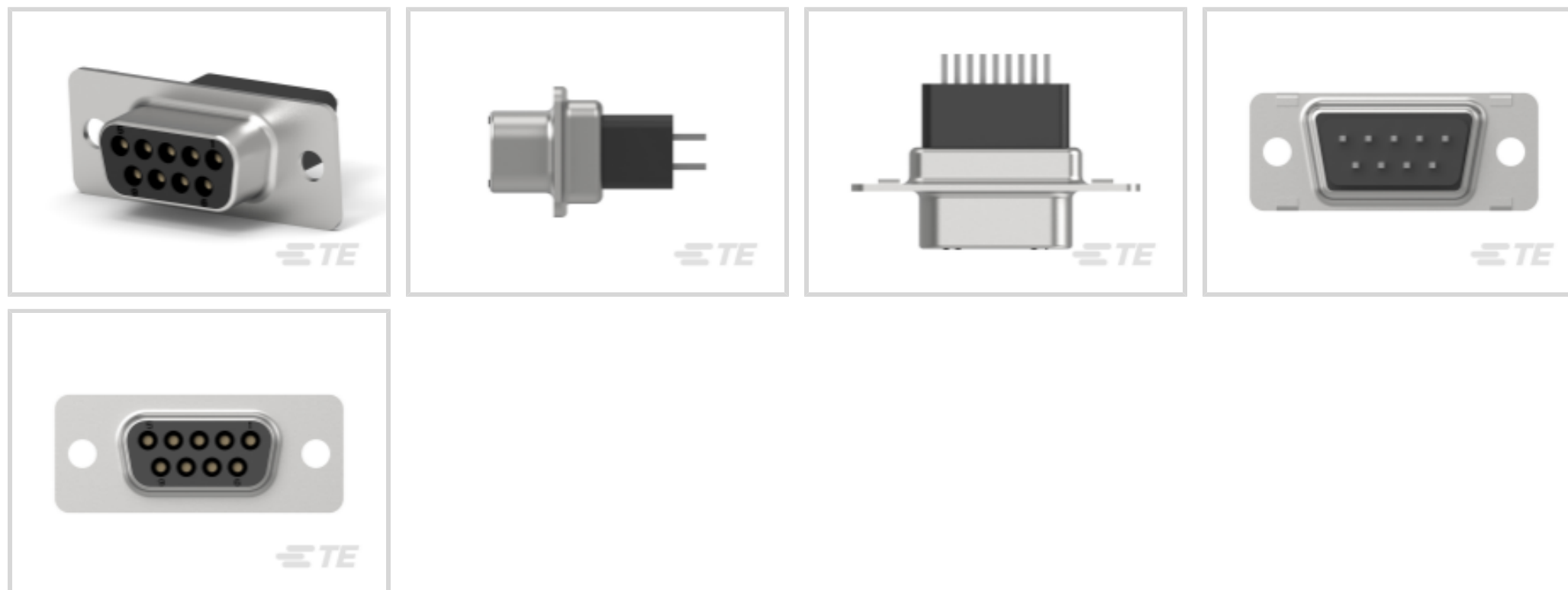
Receptacle, Board-to-Board, 9 Position, 2.77 mm [.109 in]

Centerline, 2 Row, 1 Connector Shell Size, Square, AMPLIMITE HD-20, PCB D-Sub Connectors

[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

Contact Features

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

Product Type Features

Connector & Housing Type	Receptacle
Connector System	Board-to-Board
Connector Shell Size	1
Connector & Contact Terminates To	Printed Circuit Board
Shell Material Configuration	Full Metal Shell



Configuration Features

Number of Positions	9
Number of Rows	2
PCB Mount Orientation	Vertical

Housing Features

Centerline (Pitch)	2.77 mm [.109 in]
Housing Material	Nylon GF, PBT GF
Shell Material	Carbon Steel

Dimensions

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

Body Features

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

Mechanical Attachment

PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole
Mating Retention	Without
Connector Mounting Type	Board Mount
Mounting Hole Diameter	3.05 mm [.12 in]

Operation/Application

Circuit Application	Signal
Shielded	No

Usage Conditions

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

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Termination Features

Termination Method to PCB	Through Hole - Solder
---------------------------	-----------------------



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

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

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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



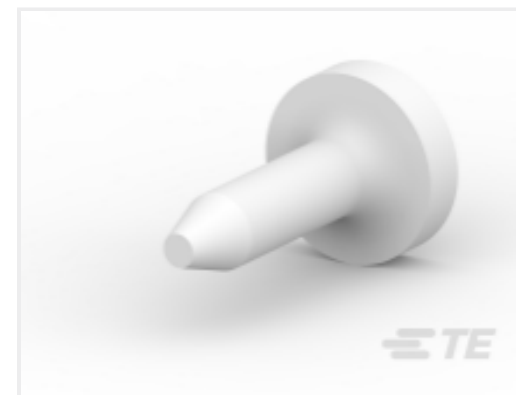
TE Part # CAT-AM7-248H3
IDC D-Sub: Plug Assembly, Wire to Wire, Signal, 2.77 mm



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 #5050865-5
SOCKET,MIN-SPR SN-AU SER-4



TE Part #5745186-2
25 PLUG SP/MS STD



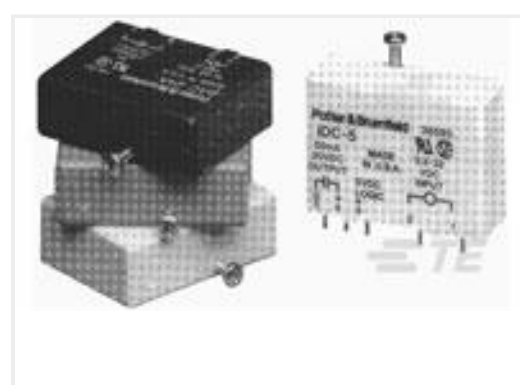
TE Part #207615-7
SKT HDR ASSY,16P,MMATE LF



TE Part #5103309-2
A/L LOW PRO HDR 14P VERT BLACK



TE Part #2301840-1
AMPL REC HD20, VERT, 15P, B/L,4-40 S/LOC



TE Part #2-1393028-8
OAC-5A = PCB MOUNT, 3A,240V AC - DC I/p



TE Part #1393845-3
RP821006

Documents

[Product Drawings](#)
[09 RCPT SP/MS STD](#)

English

[CAD Files](#)
[3D PDF](#)

3D



Customer View Model

[ENG_CVM_CVM_5745183-1_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5745183-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5745183-1_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