

5205733-7 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HD-20

TE Internal #: 5205733-7

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

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



Connector & Housing Type: **Plug**

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

Number of Positions: **9**

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

Number of Rows: **2**

[All D-Sub Plug Assembly: Standard, Vertical, Shell Size 1, 2.74mm \(50\)](#)

Features

Product Type Features

Shell Material Configuration	Full Metal Shell
Connector & Housing Type	Plug
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 µin
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	Brass
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	4.78 mm[.188 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]
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Operation/Application

Circuit Application	Signal
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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](https://www.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

 <p>TE Part # CAT-AM7-248H6 IDC D-Sub: Receptacle Kit, Wire to Wire, Signal, 2.74 mm</p>	 <p>TE Part # CAT-AM7-253 IDC D-Sub: Receptacle Assembly, Low Profile, Signal, 2.77 mm</p>	 <p>TE Part # CAT-AM7-248H8 IDC D-Sub: Receptacle Assembly, Wire to Wire, Signal, 2.74 mm</p>	 <p>TE Part # 747516-7 09 HDE PMOLD RCPT, LEAD FREE</p>
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Also in the Series | [AMPLIMITE HD-20](#)



PCB D-Sub Connectors(353)

Customers Also Bought

TE Part #5747843-6
37 MSFL PLUG RA 318 (SL,FM,BL)TE Part #1-747299-4
15 RCPT SP/FMS SCRLKTE Part #1-1462037-8
IM03TS=IM RELAY 140mW 5VTE Part #5745967-4
25 RCPT SP/FMS STDTE Part #5747301-2
37 RCPT SP/FMS STDTE Part #9-1393792-9
V23105A5305A201TE Part #2041517-1
MINI USB, RCPT,V/T,DIP, B TYPE,30u"
Au

Documents

Product Drawings

09 PLUG SP/MS STD

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_5205733-7_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5205733-7_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5205733-7_C.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

UL Report

English