

1-338311-2 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HDP-20

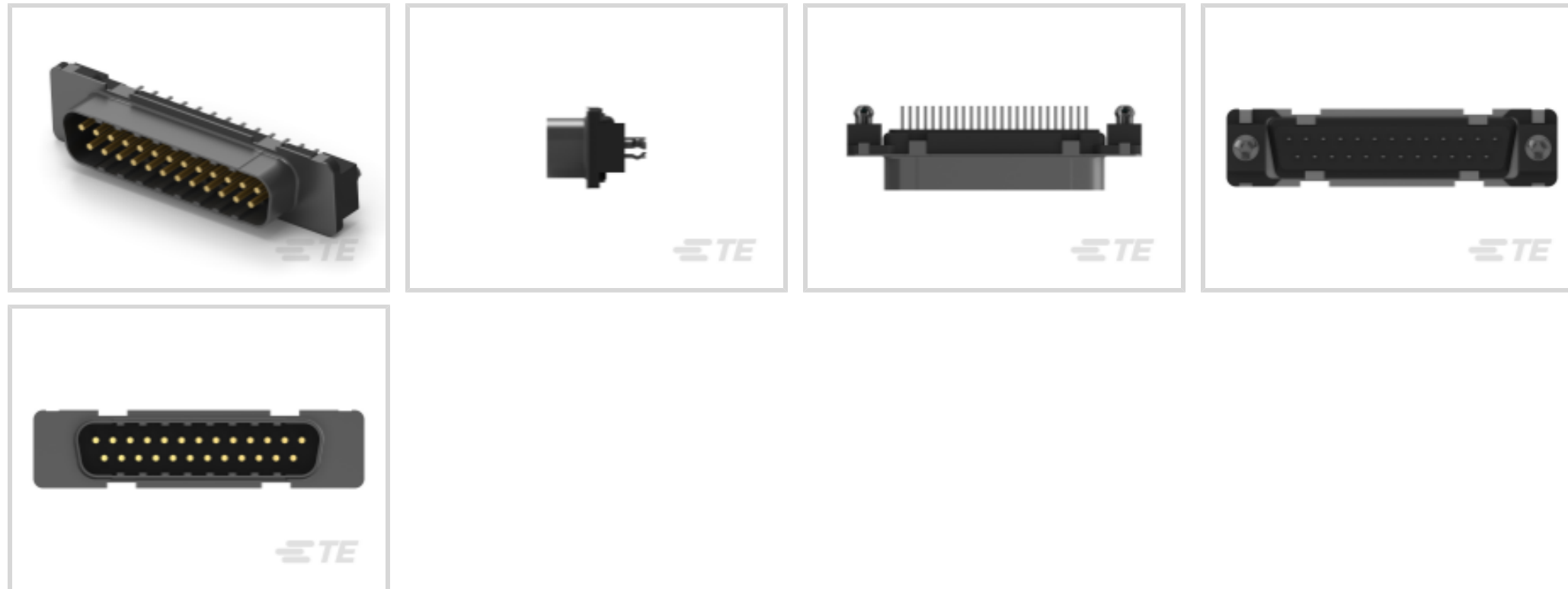
TE Internal #: 1-338311-2

PCB D-Sub Connectors, Plug, Cable-to-Board, 25 Position, 2.74 mm  
[.108 in] Centerline, 2 Row, 3 Connector Shell Size, Round,  
AMPLIMITE HDP-20

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Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > D-Sub Plug Assembly: Vertical, Shell Size 3, 2.74mm



Connector & Housing Type: **Plug**

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

Number of Positions: **25**

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

Number of Rows: **2**

[All D-Sub Plug Assembly: Vertical, Shell Size 3, 2.74mm \(47\)](#)

## Features

### Product Type Features

Shell Material Configuration	Front Metal Shell
Connector & Housing Type	Plug
Connector System	Cable-to-Board
Connector Shell Size	3
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Number of Positions	25
Number of Rows	2
PCB Mount Orientation	Vertical

### Body Features

Assembly Process Feature Material	Phosphor Bronze
Shell Plating Material	Tin



Primary Product Color	Black
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Connector Profile	Standard
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### Contact Features

Contact Options	Installed
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30 µin

Contact Mating Area Plating Material	Gold
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Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material	Tin
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Contact Base Material	Phosphor Bronze
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Contact Shape & Form	Round
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Contact Current Rating (Max)	6 A
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### Termination Features

Rectangular Termination Post & Tail Thickness	.32 mm[.012 in]
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Rectangular Termination Post & Tail Width	.45 mm[.017 in]
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Termination Post & Tail Length	3.2 mm[.126 in]
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Termination Method to Printed Circuit Board	Through Hole - Solder
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### Mechanical Attachment

Assembly Process Feature Plating Material	Tin
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Mounting Hole Diameter	5 mm
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PCB Mount Retention	With
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PCB Mount Retention Type	Boardlock
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Mating Retention	With
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Mating Retention Type	Threaded Insert, 4-40 UNC
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Connector Mounting Type	Board Mount
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### Housing Features

Shell Material	Steel
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Housing Material	Glass-Filled Polyester
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Centerline (Pitch)	2.74 mm[.108 in]
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### Dimensions

PCB Thickness (Recommended)	1.6 mm[.063 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**

Durability Rating	200 Cycles
Shielded	No
Circuit Application	Signal

**Industry Standards**

Compatible With Approved Standards Products	DIN 41652
UL Flammability Rating	UL 94V-0

**Packaging Features**

Packaging Quantity	30
Packaging Method	Tray

**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: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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-AM7-248H5  
IDC D-Sub: Receptacle Assembly, Wire to Wire, Signal, 2.77 mm



TE Part # CAT-AM7-253  
IDC D-Sub: Receptacle Assembly, Low Profile, Signal, 2.77 mm



TE Part # CAT-AM7-248H6  
IDC D-Sub: Receptacle Kit, Wire to Wire, Signal, 2.74 mm



TE Part # 747548-8  
KIT,RCPT,25P,HDE,SHLD HDWRE

## Also in the Series | AMPLIMITE HDP-20



Connector Hardware(9)



PCB D-Sub Connectors(13)

## Customers Also Bought



TE Part #5788795-1  
25 HTMSFL PLUG RA 318 (SL,BL)



TE Part #NB14942001  
DWP-125-3/8-2-STK



TE Part #1-1757824-2  
AMPLIMITE,ASY,RCPT,STD,90,ZN,6,CONT



TE Part #1-102387-3  
44 MOD IV HSG COMP DR .100 POL



TE Part #66255-8  
MALE CONTACT ASSY. (STRIP)



TE Part #3-87977-5  
20 MODIV HSG COMP DR .100 POL



TE Part #445730-1  
RECPT ASSY,SZ 4,COAX 8C8



TE Part #5-445730-1  
RECPT ASSY,SZ 4,COAX 8C8



## Documents

### Product Drawings

[25POS.HD20 PLUG ASS](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1-338311-2\\_E.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-338311-2\\_E.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-338311-2\\_E.3d\\_stp.zip](#)

English

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