

5205738-1 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HD-20

TE Internal #: 5205738-1

PCB D-Sub Connectors, Receptacle, Board-to-Board, 25 Position,  
2.74 mm [.108 in] Centerline, 2 Row, Size 3, Square, Standard  
Profile, AMPLIMITE HD-20

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Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > D-Sub Receptacle Assembly: Vertical, Shell Size 3, 2.77mm



Connector & Housing Type: **Receptacle**

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

Number of Positions: **25**

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

Number of Rows: **2**

[All D-Sub Receptacle Assembly: Vertical, Shell Size 3, 2.77mm \(64\)](#)

## Features

### Product Type Features

Grounding Indents	Without
Grounding Straps	Without
Shell Type	Full Metal Shell
Connector & Housing Type	Receptacle
Connector System	Board-to-Board
D-Sub Shell Size	3
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Product Type	Connector

### Configuration Features

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

### Body Features

Plastic	No
Insert Material	Polyamide, GV



Connector Profile	Standard
Shell Material	Steel
Shell Plating Material	Zinc
Post Size	.64 mm[.025 in]

#### Contact Features

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
	30 $\mu$ m

#### Termination Features

Grounding Clips	Without
Termination Method to Printed Circuit Board	Through Hole - Solder
Termination Post Length	3.18 mm[.125 in]

#### Mechanical Attachment

Panel Mount Feature	Without
PCB Mount Retention	Without
Mating Retention	Without
Connector Mounting Type	Board Mount
	.12 in

#### Housing Features

Centerline (Pitch)	2.74 mm[.108 in]
Housing Material	Glass-Filled Nylon, Glass-Filled PBT
Housing Color	Black

#### Dimensions

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

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

### Packaging Features

Packaging Method	Tube
Packaging Quantity	10

### 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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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



## Documents

### Product Drawings

[25 RCPT SP/MS STD](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5205738-1\\_C.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5205738-1\\_C.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5205738-1\\_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

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