

2-747708-0 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HD-20

TE Internal #: 2-747708-0

PCB D-Sub Connectors, Receptacle, Board-to-Board, 25 Position,
2.77 mm [.109 in] Centerline, 2 Row, Size 3, Round, 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): **2.77 mm [.109 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	Front 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	Brass



Connector Profile	Standard
Shell Plating Material	Tin
Shell Material	Steel
Post Size	.66 mm[.026 in]

Contact Features

PCB Termination Area Plating Finish	Bright
Contact Mating Area Plating Material	Gold
Contact Underplating Material	Copper
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Shape & Form	Round
Contact Current Rating (Max)	6 A
	30 μ in

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	With
PCB Mount Retention Type	4-40 Retention Insert
Mating Retention	Without
Mating Retention Type	Insert Boardlocks
Connector Mounting Type	Board Mount
Boardlock Plating Material	Tin over Copper
Boardlock Material	Brass
Mounting Hole Diameter	3.07 mm[.121 in]

Housing Features

Centerline (Pitch)	2.77 mm[.109 in]
Housing Material	Thermoplastic
Housing Color	Black

Dimensions

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

Approved Standards	UL E81956
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UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Tube
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Packaging Quantity	10
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Other

Comment	All receptacles are preloaded with size 20 DF posted socket contacts
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Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Not Compliant
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EU ELV Directive 2000/53/EC	Compliant with Exemptions
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224)
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Candidate List Declared Against: JUNE 2022 (224)

SVHC > Threshold:

Pb (13% in Component Part)

Article Safe Usage Statements:

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Not lead free process capable
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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-H3
IDC D-Sub: Plug Assembly, Low Profile, Signal, 2.77 mm



TE Part # CAT-AM7-248H3
IDC D-Sub: Plug Assembly, Wire to Wire, 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(354)

Documents

Product Drawings

[25 RCPT SP/FMS BRDLK](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_2-747708-0_P.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_2-747708-0_P.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_2-747708-0_P.3d_stp.zip](#)

English



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[Product Specifications](#)

[Application Specification](#)

English