



## PCB D-SUB CONNECTORS



✓ Active

↓ **PRODUCT DRAWING**  
English

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### TE CONNECTIVITY (TE) 25 PLUG SP/FMS STD [AMPLIMITE | FSM , SP](#)

745968-2  
TE Internal Number: 745968-2  
Alias ID: 2-42936-0021

[Not EU RoHS or ELV Compliant](#)  
[Find Compliant Alternatives](#)

Connector Style **Plug**  
Centerline (in) **.108**  
Number of Positions **25**  
Number of Rows **2**  
Shell Size **3**

### Product Drawings

[PLUG ASSEMBLY, SIZE 3, 25 POSITION, VERTICAL, FRONT METAL SHELL, AMPLIMITE HD-20](#)  
PDF  
English

### CAD Files

[Customer View Model](#)  
3D\_STP.ZIP  
English

[Customer View Model](#)  
3D\_IGS.ZIP  
English

[Customer View Model](#)  
2D\_DXF.ZIP  
English

[3D PDF](#)  
PDF  
English

### Product Specifications

Product Specification [AMPLIMITE HD-20 PCB Mounted Connector](#)  
PDF  
English

Application Specification [AMPLIMITE HD-20 Straight Solder Contact Tine, Front Metal Shell, PC Board And Panel Mount Connectors](#)  
PDF  
English

Qualification Test Report [Connector, AMPLIMITE HD-20, Printed Circuit Board Mounted](#)  
PDF  
English

### Product Environmental Compliance

TE Material Declaration [25 PLUG SP/FMS STD](#)  
PDF  
English

Drawing for all design activity.

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Product Type Features	Connector Style	<b>Plug</b>
	Shell Size	<b>3</b>
	Profile	<b>Standard</b>
	PCB Mounting Orientation	<b>Vertical</b>
	Grounding Straps	<b>Without</b>
	Shell Type	<b>Front Metal Shell</b>
	Grounding Indents	<b>With</b>
	Applies To	<b>Printed Circuit Board</b>
	Sealed	<b>No</b>
	Grounded	<b>Yes</b>
Product Type	<b>Connector</b>	

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Configuration Features	Number of Positions	<b>25</b>
	Number of Rows	<b>2</b>
	Preloaded	<b>Yes</b>

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Body Features	Plastic	<b>No</b>
	Color Code	<b>None</b>
	Shell Plating Material	<b>Tin</b>
	Shell Material	<b>Carbon Steel</b>
	Post Size	<b>.66 mm [ .026 in ]</b>

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Contact Features	Contact Shape	<b>Round</b>
	Solder Tail Contact Plating Material	<b>Tin-Lead over Nickel</b>
	Contact Base Material	<b>Brass</b>
	Contact Mating Area Plating Thickness (µin)	<b>30</b>
	Contact Mating Area Plating Material	<b>Gold Flash over Palladium Nickel, Gold</b>

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Termination Features	Termination Post Length	<b>3.18 mm [ .125 in ]</b>
	Grounding Clips	<b>Without</b>

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Mechanical Attachment	PCB Mounting Style	<b>Through Hole</b>
	PCB Mount Retention	<b>With</b>
	PCB Mount Retention Type	<b>Mounting Holes</b>
	Mating Connector Lock	<b>Without</b>

	Panel Mount Retention	<b>Without</b>
	Mounting Hole Diameter	<b>3.05 mm [ .12 in ]</b>
Housing Features	Centerline (in)	<b>.108</b>
	Housing Color	<b>Black</b>
	Housing Material	<b>Polyester</b>
Dimensions	PCB Thickness (Recommended)	<b>1.57 – 2.36 mm [ .062 – .093 in ]</b>
Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>
	Approved Standards	<b>UL E28476</b>
Packaging Features	Packaging Method	<b>Tube</b>
	Packaging Quantity	<b>10</b>
Other	Comment	<b>Plugs are preloaded with size 20 DF posted pin contacts</b>
Product Compliance	<a href="#">Statement of Compliance</a> PDF  <a href="#">VIEW ALL PRODUCT COMPLIANCE</a>	

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Relation Type 

RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS 



Connectors - IDC D-Sub Connectors  
AMPLIMITE I HDE (IDC) Insulation

**KIT, RCPT, 25P, HDE,  
SHLD HDWRE - 747548-8**  
TE INTERNAL NUMBER: 747548-8

 Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Shielded **Yes**

Number of Positions **25**

Number of Rows **2**

Preloaded **Yes**

RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - IDC D-Sub Connectors  
AMPLIMITE I HDF for Flat Ribbon Cable

**25 POS HDF RCPT, MS,  
LEAD FREE - 1658610-2**

TE INTERNAL NUMBER: 1658610-2

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Number of Positions **25**

Number of Rows **2**

Preloaded **Yes**

Contact Size **20**



RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - IDC D-Sub Connectors  
AMPLIMITE I HDF for Flat Ribbon Cable

**25 POS HDF RCPT, MS,  
LEAD FREE - 1658612-2**

TE INTERNAL NUMBER: 1658612-2

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Number of Positions **25**

Number of Rows **2**

Preloaded **Yes**

Contact Size **20**



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