



PCB D-SUB CONNECTORS



Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE) 25 PLUG SP/FMS INSRT AMPLIMITE | FSM , SP

745968-8
TE Internal Number: 745968-8
Alias ID: 2-42936-0023

5 of 6 EU RoHS/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](#)
2D_DXF.ZIP
English
- [Customer View Model](#)
3D_IGS.ZIP
English
- [Customer View Model](#)
3D_STP.ZIP
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- [3D PDF](#)
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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

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

	Shell Size	3
	Profile	Standard
	PCB Mounting Orientation	Vertical
	Grounding Straps	Without
	Shell Type	Front Metal Shell
	Grounding Indents	With
	Applies To	Printed Circuit Board
	Sealed	No
	Grounded	Yes
	Product Type	Connector
<hr/>		
Configuration Features	Number of Positions	25
	Number of Rows	2
	Preloaded	Yes
<hr/>		
Body Features	Plastic	No
	Color Code	None
	Shell Plating Material	Tin
	Insert Material	Brass
	Shell Material	Carbon Steel
	Post Size	.66 mm [.026 in]
<hr/>		
Contact Features	Contact Shape	Round
	Solder Tail Contact Plating Material	Tin-Lead over Nickel
	Contact Base Material	Brass
	Contact Mating Area Plating Thickness (µin)	30
	Contact Mating Area Plating Material	Gold Flash over Palladium Nickel, Gold
<hr/>		
Termination Features	Termination Post Length	3.18 mm [.125 in]
	Grounding Clips	Without
<hr/>		
Mechanical Attachment	PCB Mounting Style	Through Hole
	PCB Mount Retention	With
	PCB Mount Retention Type	Mounting Holes
	Mating Connector Lock	With
	Mating Connector Lock Type	Threaded Inserts
	Panel Mount Retention	Without

	Mounting Hole Diameter	3.05 mm [.12 in]
	Threaded Insert Material	Brass
Housing Features	Centerline (in)	.108
	Housing Color	Black
	Housing Material	Polyester
Dimensions	PCB Thickness (Recommended)	1.57 – 2.36 mm [.062 – .093 in]
Industry Standards	UL Flammability Rating	UL 94V-0
	Approved Standards	UL E28476
Packaging Features	Packaging Method	Tube
	Packaging Quantity	10
Other	Comment	Plugs are preloaded with size 20 DF posted pin contacts
Product Compliance	Statement of Compliance PDF VIEW ALL PRODUCT COMPLIANCE	

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RELATIONSHIP

Mating Products

Used to identify Mating Parts

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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 HDE (IDC) Insulation

**25 HDE MS RCPT, 20-22,
LEAD FREE - 1-745495-9**

TE INTERNAL NUMBER: 1-745495-9

✓ 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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