



PCB D-SUB CONNECTORS



✓ Active

↓ **PRODUCT DRAWING**
English

↓ **3D PDF**

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

747871-8
 TE Internal Number: 747871-8
 Alias ID: 406566315

5 of 6 EU RoHS/ELV Compliant
[Find Compliant Alternatives](#)

Connector Style **Plug**

Centerline (in) **.108**

Number of Positions **9**

Number of Rows **2**

Shell Size **1**

Product Drawings

[PLUG ASSEMBLY, SIZE 1, 9 POS, VERTICAL, FRONT SHELL, AMPLIMITE HDP](#)
 PDF
 English

CAD Files

[3D PDF](#)
 PDF
 English

[Customer View Model](#)
 2D_DXF.ZIP
 English

[Customer View Model](#)
 3D_IGS.ZIP
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[Customer View Model](#)
 3D_STP.ZIP
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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.

Product Type Features

Connector Style

Plug

Shell Size

1

	Profile	Standard
	PCB Mounting Orientation	Vertical
	Grounding Straps	Without
	Shell Type	Front Metal Shell
	Grounding Indents	With
	Applies To	Printed Circuit Board
	Sealed	No
	Product Type	Connector
<hr/>		
Configuration Features	Number of Positions	9
	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 over Nickel, 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 Insert, 4-40 UNC
	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

Thermoplastic

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

17

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

**09 HDE MS RCPT, 22-26,
LEAD FREE - 1-745491-7**

TE INTERNAL NUMBER: 1-745491-7
ALIAS ID: AMP-1-0745491-7, E48286-000

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Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Number of Positions **9**

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

**KIT, RCPT, 9P, HDE,
SHLD ENCLSRE
- 1-747943-6**

TE INTERNAL NUMBER: 1-747943-6

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Shielded **Yes**

Number of Positions **9**

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 HDE (IDC) Insulation

**09 HDE PMOLD RCPT,
LEAD FREE - 747516-7**

TE INTERNAL NUMBER: 747516-7

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Shielded **Yes**

Centerline **1.38 mm**

Number of Positions **9**

Number of Rows **2**

