



PCB D-SUB CONNECTORS



Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE)

09 PLUG SP/FMS INSRT

AMPLIMITE | FSM , SP

5747871-8

TE Internal Number: 5747871-8

Always EU RoHS/ELV Compliant

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
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CAD Files

[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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[3D PDF](#)

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Catalog Pages/Data Sheets

[AMPLIMITE Subminiature D Connectors - Straight Posted Connectors](#)

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Product Specifications

Product Specification

[AMPLIMITE HD-20 PCB Mounted Connector](#)

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Application Specification

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

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Qualification Test Report

[Connector, AMPLIMITE HD-20, Printed Circuit Board Mounted](#)

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Product Environmental Compliance

TE Material Declaration

[09 PLUG SP/FMS INSRT](#)

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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
	Grounded	Yes
Product Type	Connector	

Configuration Features	Number of Positions	9
	Number of Rows	2
	Preloaded	Yes

Body Features	Plastic	No
	Color Code	None
	Shell Plating Material	Tin
	Insert Material	Brass
	Shell Material	Steel
	Post Size	.66 mm [.026 in]

Contact Features	Contact Shape	Round
	Solder Tail Contact Plating Material	Tin over Nickel
	Contact Base Material	Brass
	Contact Mating Area Plating Thickness (µin)	30
	Contact Mating Area Plating Material	Gold

Termination Features	Termination Post Length	3.18 mm [.125 in]
	Grounding Clips	Without

Mechanical Attachment	PCB Mounting Style	Through Hole
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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]
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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
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Product Compliance [Statement of Compliance](#)
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[VIEW ALL PRODUCT COMPLIANCE](#)

CUSTOMERS ALSO BOUGHT

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Relation Type

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

RCPT ASSY, 9P, HDE, MS - 1-745491-9

TE INTERNAL NUMBER: 1-745491-9

✓ Active

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

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

✓ Active

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

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**

