



PCB D-SUB CONNECTORS



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TE CONNECTIVITY (TE)

09 PLUG SP/FMS SCRLK

AMPLIMITE | FSM , SP

1-747871-4

TE Internal Number: 1-747871-4

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

[Customer View Model](#)

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

2D_DXF.ZIP
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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

[MD_1-747871-4_08272012937](#)

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English

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	
Configuration Features	Number of Positions	9
	Number of Rows	2
	Preloaded	Yes
Body Features	Plastic	No
	Female Screwlock Material	Zinc
	Color Code	None
	Shell Plating Material	Tin
	Shell Material	Carbon Steel
	Post Size	.66 mm [.026 in]
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
Termination Features	Termination Post Length	3.18 mm [.125 in]
	Grounding Clips	Without
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	Female Screwlocks, Fixed
Panel Mount Retention	Without
Mounting Hole Diameter	3.05 mm [.12 in]

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](#)
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 HDF for Flat Ribbon Cable**9 POS HDF RCPT, MS**
- 5746861-4

TE INTERNAL NUMBER: 5746861-4

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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 ENCLSR
- 1-747943-6

TE INTERNAL NUMBER: 1-747943-6

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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

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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**