



PCB D-SUB CONNECTORS



✓ Active

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TE CONNECTIVITY (TE)

09 MSFL PLUG RA 318 (IN,FM)

AMPLIMITE | Standard

747250-4

TE Internal Number: 747250-4

Alias ID: A61411-000, AMP-0-0747250-4

Not EU RoHS or 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 POSITION, RIGHT ANGLE, FRONT METAL SHELL, .318 SERIES, AMPLIMITE HD-20](#)

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CAD Files

[Customer View Model](#)

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Product Specifications

Product Specification

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

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Application Specification

[AMPLIMITE Right-Angle Front Metal Shell 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_747250-4_0617201457_dmtec](#)

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Product Type Features	Connector Style	Plug
	Shell Size	1
	Profile	Standard
	PCB Mounting Orientation	Right Angle
	Grounding Straps	With
	Shell Type	Front Metal Shell
	Footprint	8.08 mm [.318 in]
	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
	Color Code	None
	Eyelet Plating Material	Tin
	Shell Plating Material	Tin over Copper
	Insert Material	Zinc
	Shell Material	Carbon Steel
	Eyelet Material	Brass
	Post Size	.66 mm [.026 in]
Contact Features	Contact Shape	Round
	Solder Tail Contact Plating Material	Tin-Lead
	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	Threaded Insert, 4-40 UNC
Panel Mount Retention	Without
Mating Retention	With
Mounting Hole Diameter	3.05 mm [.12 in]
Threaded Insert Material	Zinc
Threaded Insert Plating Material	Clear Chromate

Housing Features	Centerline (in)	.108
	Housing Color	Black
	Housing Material	Nylon GF, Polyester GF

Dimensions	PCB Thickness (Recommended)	2.36 mm [.093 in]
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Industry Standards	UL Flammability Rating	UL 94V-0
	Approved Standards	UL E28476





Packaging Features	Packaging Method	Tray
	Packaging Quantity	130

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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Relation Type

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

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**



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
- 1-747943-5
TE INTERNAL NUMBER: 1-747943-5

Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Shielded **Yes**

Number of Positions **9**

Number of Rows **2**

Preloaded **Yes**



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