



PCB D-SUB CONNECTORS



TE CONNECTIVITY (TE)

09 MSFL PLUG RA 318 (SL,FM,BL)

AMPLIMITE | SL , Standard

747840-5

TE Internal Number: 747840-5

Not EU RoHS or ELV Compliant

[Find Compliant Alternatives](#)

Connector Style **Plug**

Centerline (mm) **2.74**

Number of Positions **9**

Number of Rows **2**

Shell Size **1**

Active

[PRODUCT DRAWING](#)
English

[3D PDF](#)

Product Drawings

[PLUG ASSEMBLY, SIZE 1, 9 POSITION, RIGHT ANGLE, FRONT METAL SHELL, .318 SERIES, BOARDLOCKS, AMPLIMITE HD-20](#)

PDF
English

CAD Files

[Customer View Model](#)

2D_DXF.ZIP
English

[3D PDF](#)

PDF
3D

[Customer View Model](#)

3D_IGS.ZIP
English

[Customer View Model](#)

3D_STP.ZIP
English

Product Specifications

Product Specification

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

PDF
English

Application Specification

[AMPLIMITE Right-Angle Front Metal Shell 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	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
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Configuration Features	Number of Positions	9
	Number of Rows	2
	Preloaded	Yes
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Body Features	Plastic	No
	Female Screwlock Material	Zinc
	Female Screwlock Plating Material	Clear Chromate
	Color Code	None
	Eyelet Plating Material	Tin over Copper Flash
	Shell Plating Material	Tin
	Shell Material	Steel
	Eyelet Material	Brass
	Post Size	.66 mm [.026 in]
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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 Material	Gold Flash
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Termination Features	Termination Post Length	3.18 mm [.125 in]
	Grounding Clips	Without
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Mechanical Attachment	PCB Mounting Style	Through Hole
	PCB Mount Retention	With
	PCB Mount Retention Type	Boardlocks
	Mating Connector Lock	With

Mating Connector Lock Type	Female Screwlocks, Fixed
Panel Mount Retention	Without
Boardlock Material	Copper Alloy
Mounting Hole Diameter	3.18 mm [.125 in]
Boardlock Plating Material	Tin-Lead over Nickel

Housing Features	Centerline (mm)	2.74
	Housing Color	Black
	Housing Material	Nylon GF, Polyester GF

Dimensions	PCB Thickness (Recommended)	1.57 mm [.062 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 PDF](#)
[VIEW ALL PRODUCT COMPLIANCE](#)

CUSTOMERS ALSO BOUGHT

WIRE-TO-BOARD HEADERS & RECEPTACLES	PCB FERRULES & SHIELDS	MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES	SURFACE MOUNT DEVICES
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Relation Type



RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - IDC D-Sub Connectors
AMPLIMITE | HDE (IDC) Insulation

**KIT, RCPT, 9P, HDE,
SHLD HDWRE - 747516-9**
TE INTERNAL NUMBER: 747516-9

✓ 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 - Solder D-Sub Connectors
AMPLIMITE | Solder Cup Connectors

**LF RECEPT KIT, SIZE 1,
7.2MM - 1571654-4**
TE INTERNAL NUMBER: 1571654-4

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Number of Positions **9**

Contact Size **20**

Shell Size **1**

Enclosure **With**



RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Solder D-Sub Connectors
AMPLIMITE | Solder Cup Connectors

**LF RECEPT KIT, SIZE 1,
9.5MM - 1571654-5**
TE INTERNAL NUMBER: 1571654-5

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Number of Positions **9**

Contact Size **20**

Shell Size **1**

Enclosure **With**



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