



# PCB D-SUB CONNECTORS



## TE CONNECTIVITY (TE) 9P RA MSFL 318 PLUG

AMPLIMITE | Standard

7-747840-1  
TE Internal Number: 7-747840-1

[Always 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 Environmental Compliance

TE Material Declaration

[MD\\_7-747840-1\\_06212013727\\_dmtec](#)

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	<b>Plug</b>
Shell Size	<b>1</b>
Profile	<b>Standard</b>
PCB Mounting Orientation	<b>Right Angle</b>

	Grounding Straps	<b>With</b>
	Shell Type	<b>Front Metal Shell</b>
	Footprint	<b>8.08 mm [ .318 in ]</b>
	Grounding Indents	<b>With</b>
	Applies To	<b>Printed Circuit Board</b>
	Sealed	<b>No</b>
	Product Type	<b>Connector</b>
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Configuration Features	Number of Positions	<b>9</b>
	Number of Rows	<b>2</b>
	Preloaded	<b>Yes</b>
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Body Features	Plastic	<b>No</b>
	Female Screwlock Material	<b>Zinc</b>
	Female Screwlock Plating Material	<b>Clear Chromate</b>
	Color Code	<b>None</b>
	Eyelet Plating Material	<b>Tin over Copper Flash</b>
	Shell Plating Material	<b>Tin</b>
	Shell Material	<b>Steel</b>
	Eyelet Material	<b>Brass</b>
	Post Size	<b>.66 mm [ .026 in ]</b>
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Contact Features	Contact Shape	<b>Round</b>
	Solder Tail Contact Plating Material	<b>Tin over Nickel, Tin-Lead over Nickel</b>
	Contact Base Material	<b>Brass</b>
	Contact Mating Area Plating Thickness (µin)	<b>30</b>
	Contact Mating Area Plating Material	<b>Gold Flash over Palladium Nickel, Gold</b>
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Termination Features	Termination Post Length	<b>3.18 mm [ .125 in ]</b>
	Grounding Clips	<b>Without</b>
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Mechanical Attachment	PCB Mounting Style	<b>Through Hole</b>
	PCB Mount Retention	<b>With</b>
	PCB Mount Retention Type	<b>Boardlocks</b>
	Mating Connector Lock	<b>With</b>
	Mating Connector Lock Type	<b>Female Screwlocks, Fixed</b>
	Panel Mount Retention	<b>Without</b>

Boardlock Material	<b>Copper Alloy</b>
Mounting Hole Diameter	<b>3.18 mm [ .125 in ]</b>
Boardlock Plating Material	<b>Tin over Nickel</b>

Housing Features	Centerline (mm)	<b>2.74</b>
	Housing Color	<b>Black</b>
	Housing Material	<b>Nylon GF, Polyester GF</b>

Dimensions	PCB Thickness (Recommended)	<b>1.57 mm [ .062 in ]</b>
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Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>
	Approved Standards	<b>UL E28476</b>

Packaging Features	Packaging Method	<b>Tray</b>
	Packaging Quantity	<b>130</b>

Other	Comment	<b>Plugs are preloaded with size 20 DF posted pin contacts</b>
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Product Compliance	<a href="#">Statement of Compliance</a> PDF <a href="#">VIEW ALL PRODUCT COMPLIANCE</a>
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Products - 9 Results

[View All](#)

Compare 0/10

Relation Type

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 | HDF for Flat Ribbon Cable

**09 POS HDF RCPT, MS,  
LEAD FREE - 1658610-4**

TE INTERNAL NUMBER: 1658610-4

✓ 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 | 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**

