



# PCB D-SUB CONNECTORS



## TE CONNECTIVITY (TE) 09 MSFL RCPT RA 318 (SL,FM)

AMPLIMITE | SL , Standard

745781-6

TE Internal Number: 745781-6

Not EU RoHS or ELV Compliant  
[Find Compliant Alternatives](#)

Connector Style **Receptacle**

Centerline (in) **.108**

Number of Positions **9**

Number of Rows **2**

Shell Size **1**

✓ Active

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

### Product Drawings

[RCPT ASSY, SIZE 1, 9 POSN, RTANG, AMPLIMITE TM](#)

PDF  
English

### CAD Files

[Customer View Model](#)

2D\_DXF.ZIP  
English

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

[3D PDF](#)

PDF  
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

**Receptacle**

Shell Size

**1**

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>Without</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</b>
	Shell Plating Material	<b>Tin</b>
	Insert Material	<b>Zinc</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</b>
	Contact Base Material	<b>Phosphor Bronze</b>
	Contact Mating Area Plating Thickness (µin)	<b>30</b>
	Contact Mating Area Plating Material	<b>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>Mounting Holes</b>

Mating Connector Lock	<b>With</b>
Mating Connector Lock Type	<b>Female Screwlocks, Fixed</b>
Panel Mount Retention	<b>Without</b>
Mating Retention	<b>With</b>
Mounting Hole Diameter	<b>3.18 mm [ .125 in ]</b>

Housing Features	Centerline (in)	<b>.108</b>
	Housing Color	<b>Black</b>
	Housing Material	<b>Thermoplastic</b>

Dimensions	PCB Thickness (Recommended)	<b>2.36 mm [ .093 in ]</b>
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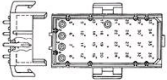

Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>
	Approved Standards	<b>UL E28476</b>

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

Other	Comment	<b>All receptacles are preloaded with size 20 DF posted socket contacts</b>
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Product Compliance [Statement of Compliance PDF](#)  
[VIEW ALL PRODUCT COMPLIANCE](#)

## CUSTOMERS ALSO BOUGHT

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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 I HDF for Flat Ribbon Cable

09 POS HDF PLUG, MS,  
LEAD FREE - 1658613-4

TE INTERNAL NUMBER: 1658613-4

Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

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 SHLDG ENCL PLUG,  
LEAD FREE - 1-747944-5

TE INTERNAL NUMBER: 1-747944-5

Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Shielded **Yes**

Number of Positions **9**

Number of Rows **2**

Preloaded **Yes**



RELATIONSHIP

Mating Products

Used to identify Mating Parts

See All Mating Products

PRODUCT - MATING PRODUCTS



Connectors - IDC D-Sub Connectors  
AMPLIMITE I HDF for Flat Ribbon Cable

09 POS HDF PLUG, MS,  
LEAD FREE - 1658608-4

TE INTERNAL NUMBER: 1658608-4

Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Number of Positions **9**

Number of Rows **2**

Preloaded **Yes**

Contact Size **20**



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