



# PCB D-SUB CONNECTORS



Active

PRODUCT DRAWING  
English

3D PDF

TE CONNECTIVITY (TE)

## 15 MSFL RCPT RA 318 (IN,FM,BL)

AMPLIMITE | Standard

747845-4

TE Internal Number: 747845-4  
Alias ID: 650-1044-01

Not EU RoHS or ELV Compliant  
Find Compliant Alternatives

Connector Style **Receptacle**

Centerline **2.74 mm [ .108 in ]**

Number of Positions **15**

Number of Rows **2**

Shell Size **2**

### Product Drawings

RECEPTACLE ASSEMBLY, SIZE 2, 15 POSITION, RIGHT ANGLE, FRONT METAL SHELL, .318 SERIES, .026 DIA POSTS, BOARDLOCKS, AMPLIMITE HD-20

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

**2**

	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>
	Grounded	<b>Yes</b>
	Product Type	<b>Connector</b>
	Shielded	<b>Yes</b>
<hr/>		
Configuration Features	Number of Positions	<b>15</b>
	Number of Rows	<b>2</b>
	Preloaded	<b>Yes</b>
<hr/>		
Body Features	Plastic	<b>No</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>
<hr/>		
Contact Features	Contact Shape	<b>Round</b>
	Solder Tail Contact Plating Material	<b>Tin-Lead over Nickel</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>
<hr/>		
Termination Features	Termination Post Length	<b>3.18 mm [ .125 in ]</b>
	Grounding Clips	<b>Without</b>
<hr/>		
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>Threaded Insert, 4-40 UNC</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-Lead</b>
Threaded Insert Material	<b>Zinc</b>
Threaded Insert Plating Material	<b>Clear Chromate</b>

Housing Features	Centerline	<b>2.74 mm [ .108 in ]</b>
	Housing Color	<b>Black</b>
	Housing Material	<b>Thermoplastic</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>Box</b>
	Packaging Quantity	<b>104</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](#)

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Relation Type 

RELATIONSHIP

### Mating Products

Used to identify Mating Parts

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

## KIT, PLUG, 15P, HDE, SHLD HDWRE - 747531-8

TE INTERNAL NUMBER: 747531-8

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Shielded **Yes**

Centerline **1.38 mm**

Number of Positions **15**

Number of Rows **2**



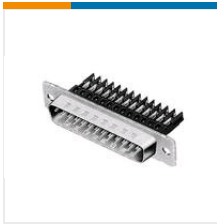
RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



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

## 15 HDE MS PLUG, 22-26, LEAD FREE - 1-745494-5

TE INTERNAL NUMBER: 1-745494-5

ALIAS ID: 2-42932-9181, AMP-1-0745494-5, D82690-000

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Number of Positions **15**

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 HDF for Flat Ribbon Cable

## 15 POS HDF PLUG, MS, LEAD FREE - 1658613-3

TE INTERNAL NUMBER: 1658613-3

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Number of Positions **15**

Number of Rows **2**

Preloaded **Yes**

Contact Size **20**



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