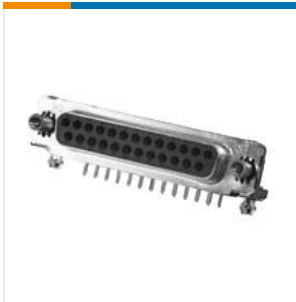




## PCB D-SUB CONNECTORS



✓ Active

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

### 09 MSFL RCPT RA 318 (SL,FM,BL)

AMPLIMITE | SL , Standard

747844-6

TE Internal Number: 747844-6

Alias ID: 1950219P002, 27-00905-00, 405796012, 650-1011-09

Not EU RoHS or ELV Compliant

[Find Compliant Alternatives](#)

Connector Style **Receptacle**

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

Number of Positions **9**

Number of Rows **2**

Shell Size **1**

#### Product Drawings

[RECEPTACLE ASSEMBLY, SIZE 1, RIGHT ANGLE, .318 SERIES, FRONT METAL SHELL, .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

#### Product Environmental Compliance

TE Material Declaration

[MD\\_747844-6\\_03192014035\\_dmtec](#)

PDF  
English

---

Product Type Features	Connector Style	<b>Receptacle</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>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>

---

Configuration Features	Number of Positions	<b>9</b>
	Number of Rows	<b>2</b>
	Preloaded	<b>Yes</b>

---

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>



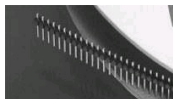

---

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>

---

Termination Features	Termination Post Length	<b>3.18 mm [ .125 in ]</b>
	Grounding Clips	<b>Without</b>
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-Lead</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>
Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>
	Approved Standards	<b>UL E28476</b>
Packaging Features	Packaging Method	<b>Package</b>
	Packaging Quantity	<b>130</b>
Other	Comment	<b>All receptacles are preloaded with size 20 DF posted socket contacts</b>
Product Compliance	<p><a href="#">Statement of Compliance</a> PDF</p> <p><a href="#">VIEW ALL PRODUCT COMPLIANCE</a></p>	

## CUSTOMERS ALSO BOUGHT

<p><b>RECTANGULAR POWER CONNECTORS</b></p> 	<p><b>RECTANGULAR POWER CONNECTORS</b></p> 	<p><b>MULTIPLE CONFIGURATION PCB HEADERS &amp; RECEPTACLES</b></p> 	<p><b>PCB D-SUB CONNECTORS</b></p>  <p><b>HD 20 D SUB DA 3.18 EMC</b></p>
--	--	--	--

08P MICRO MNL ASSY, VRT, THRU LF 3-794680-8	09P UMNL PIN HDR ASSY 94VO 641972-1	B/A REELED SRST HDR ASSY 30 AU 146870-1	10-20 PLUG RA .510 FMS BD-LK S 5747840-5
Save to List Find Similar Products	Save to List Find Similar Products	Save to List Find Similar Products	Save to List Find Similar Products

Products - 8 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 PLUG, 26-30, LEAD FREE - 1-745492-7**  
TE INTERNAL NUMBER: 1-745492-7

✓ 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 HDF for Flat Ribbon Cable  
**9 POS HDF PLUG, MS - 5746862-4**  
TE INTERNAL NUMBER: 5746862-4

✓ 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 HDE MS PLUG, 22-26, LEAD FREE - 1-745492-8**  
TE INTERNAL NUMBER: 1-745492-8  
ALIAS ID: 618449 000 AMP 1 0745492 8

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Number of Positions **9**



ALIAS ID: A10047-000, A1017-1-0/40472-0

✓ Active

Number of Rows **2**

Preloaded **Yes**

Contact Size **20**