



## PCB D-SUB CONNECTORS



### TE CONNECTIVITY (TE) 09 HTMSFL PLUG RA 318 (IN,BL) AMPLIMITE | Standard

788792-1  
TE Internal Number: 788792-1

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

Connector Style **Plug**

Centerline (in) **.108**

Number of Positions **9**

Number of Rows **2**

Shell Size **1**

✓ Active

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

### Product Drawings

**PLUG ASSEMBLY, SIZE 1, .318 SERIES, WITH FRONT METAL SHELL, HIGH TEMPERATURE, AMPLIMITE HD-20**

PDF  
English

### CAD Files

**3D PDF**  
PDF  
3D

**Customer View Model**  
2D\_DXF.ZIP  
English

**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

### Product Environmental Compliance

TE Material Declaration **MD\_788792-1\_05092011433**  
PDF  
English

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>	
Configuration Features	Number of Positions	<b>9</b>
	Number of Rows	<b>2</b>
	Preloaded	<b>Yes</b>
Body Features	Plastic	<b>No</b>
	Color Code	<b>None</b>
	Eyelet Plating Material	<b>Tin</b>
	Shell Plating Material	<b>Tin over Copper</b>
	Shell Material	<b>Carbon Steel</b>
	Eyelet Material	<b>Brass</b>
	Post Size (in)	<b>.013</b>
Contact Features	Solder Tail Contact Plating Material	<b>Tin-Lead</b>
	Contact Base Material	<b>Brass</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>Surface Mount, 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 Inserts</b>
Panel Mount Retention	<b>Without</b>
Boardlock Material	<b>Copper Alloy</b>
Mounting Hole Diameter (in)	<b>.125</b>
Boardlock Plating Material	<b>Tin over Nickel</b>
Threaded Insert Material	<b>Zinc</b>
Threaded Insert Plating Material	<b>Clear Chromate</b>

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

Dimensions	PCB Thickness (Recommended)	<b>1.57 mm [ .062 in ]</b>
------------	-----------------------------	----------------------------

Usage Conditions	High Temperature Housing	<b>Yes</b>
------------------	--------------------------	------------

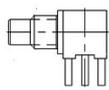
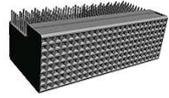
Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>
--------------------	------------------------	-----------------

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

Product Compliance [Statement of Compliance PDF](#)

[VIEW ALL PRODUCT COMPLIANCE](#)

## CUSTOMERS ALSO BOUGHT

<p><b>RIBBON CABLE CONNECTORS</b></p>  <p><b>IDC LOW PRO HDR 14P VERT HT BLACK</b> 1761681-5</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p><b>SMC CONNECTORS</b></p>  <p><b>5064 5003 09</b> 1060259-1</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p><b>HARD METRIC BACKPLANE CONNECTORS</b></p>  <p><b>Z-PACK A-B 25 COLUMN SHLD ASSY</b> 646547-1</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p><b>HARD METRIC BACKPLANE CONNECTORS</b></p>  <p><b>2MM HM, ASY, T-E, REC, TWIST TULIP</b> 5646445-1</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>
---	---	--	---

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, 26-30,  
LEAD FREE - 1-745491-6**

TE INTERNAL NUMBER: 1-745491-6

✓ 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 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 I HDE (IDC) Insulation

**KIT, RCPT, 9P, HDE,  
SHLD ENCLSR  
- 1-747943-5**

TE INTERNAL NUMBER: 1-747943-5

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Shielded **Yes**

Number of Positions **9**

Number of Rows **2**

Preloaded **Yes**

