



CONNECTORS

## PCB D-SUB CONNECTORS



✓ Active

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

**TE CONNECTIVITY (TE)**  
**9P.HDP20 REC.ASSY.**  
AMPLIMITE | Metal Shell

1-106505-2  
TE Internal Number: 1-106505-2

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline (mm) **2.74**

Number of Positions **9**

Number of Rows **2**

Shell Size **1**



### Product Drawings

**HD-20 SIZE 1 RIGHT ANGLE RECEPTACLE HEADER; MARK II**  
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

### Catalog Pages/Data Sheets

**AMPLIMITE Subminiature D Connectors - Right-Angle Posted Connectors**  
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.

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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>10.31 mm [ .406 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>
	Performance Level	<b>Level 2</b>
	Preloaded	<b>Yes</b>

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Body Features	Plastic	<b>No</b>
	Color Code	<b>None</b>
	Shell Plating Material	<b>Tin</b>
	Color	<b>Black</b>
	Shell Material	<b>Steel</b>
	Post Size (mm)	<b>.7</b>

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Contact Features	Solder Tail Contact Plating Material	<b>Tin</b>
	Contact Base Material	<b>Phosphor Bronze</b>
	Contact Mating Area Plating Thickness (µm)	<b>.76</b>
	Contact Mating Area Plating Material	<b>Gold Flash over Palladium Nickel or Gold over Nickel</b>

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Termination Features	Termination Post Length	<b>3.2 mm [ .1259 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>Threaded Insert, 4-40 UNC</b>
Panel Mount Retention	<b>Without</b>
Mating Retention Type	<b>Threaded Inserts</b>
Boardlock Material	<b>Phosphor Bronze</b>
Mating Retention	<b>With</b>
PCB Mount Alignment	<b>With</b>
Mounting Hole Diameter (mm)	<b>3.1</b>
Boardlock Plating Material	<b>Tin</b>
Mating Alignment	<b>With</b>

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

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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>DIN 41652</b>

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Packaging Features	Packaging Method	<b>Tray</b>
	Packaging Quantity	<b>55</b>

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Other	Installation Height (mm)	<b>7.3</b>
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Product Compliance [Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)



