

747459-2 Product Details

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TE Internal Number: 747459-2

 Active

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Standard Board Mount Connectors

 [5 of 6 EU RoHS/ELV Compliant](#) ([Find RoHS Compliant Alternates/Statement of Compliance](#))

Product Highlights:

- 9 Positions
- Connector Style = Receptacle
- PCB Mounting Orientation = Right Angle
- Product Series = HD 20
- Without Mating Connector Lock

[View all Features](#)

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Documentation & Additional Information

Product Drawings:

- [RECEPTACLE ASSY, SIZE 1, 9 POSN, RIGHT ANGLE, .590 S...](#) (PDF, English)

Catalog Pages/Data Sheets:

- None Available

Product Specifications:

- None Available

Application Specifications:

- [AMPLIMITE HD-20 Series 318, 478, and 590 Right-Angle...](#) (PDF, English)

Instruction Sheets:

- None Available

CAD Files: ([CAD Format & Compression Information](#))

- [2D Drawing](#) (DXF, Version E)
- [3D Model](#) (IGES, Version E)
- [3D Model](#) (STEP, Version E)

[List all Documents](#)

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)
- [Mating Products \(3\)](#)

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:

- [PCB Mounting Orientation](#) = Right Angle
- [Product Series](#) = HD 20
- [Mating Connector Lock](#) = Without
- [PCB Mount Retention](#) = With
- [Shell Type](#) = All Plastic
- [Shell Size](#) = 1
- [Footprint \(mm \[in\]\)](#) = 14.99 [.590]
- [Grounding Indents](#) = Without
- [Grounding Straps](#) = Without
- [PCB Mount Style](#) = Through Hole
- [Color Code](#) = None
- Sealed = No
- Profile = Standard
- Post Size (mm [in]) = 0.66 [.026]
- Mounting Hole Diameter (mm [in]) = 3.18 [.125]

Mechanical Attachment:

- [Panel Mount Retention](#) = Without

Termination Features:

- [Grounding Clips](#) = Without
- [Termination Post Length \(mm \[in\]\)](#) = 3.18 [0.125]
- [Solder Tail Contact Plating](#) = Tin-Lead over Nickel

Body Features:

- [Number of Positions](#) = 9
- [PCB Mount Retention Type](#) = Mounting Holes

Contact Features:

- [Contact Plating, Mating Area, Material](#) = Gold (30)
- Contact Shape = Round
- Contact Base Material = Phosphor Bronze

Housing Features:

- Connector Style = Receptacle
- UL Flammability Rating = UL 94V-0
- Housing Material = Thermoplastic - GF

Industry Standards:

- [RoHS/ELV Compliance](#) = ELV compliant, 5 of 6 Compliant
- [Lead Free Solder Processes](#) = Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C

Conditions for Usage:

- [PCB Thickness, Recommended \(in \[mm\]\)](#) = 0.093 [2.36]

Operation/Application:

- Application = Standard

Other:

- Brand = AMP
- Comment = All receptacles are preloaded with size 20 DF posted socket contacts

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