# 205870-1 Product Details

Live Product Chat

**205870-1**

TE Part Number: 205870-1
Active
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## Standard Board Mount Connectors

Always ELV Compliant (Find RoHS Compliant Alternates/Statement of Compliance)

Product Highlights:
- Number of Positions = 50
- Receptacle
- PCB Mount Angle = Right Angle
- Product Series = HDP-20
- Without Mating Connector Lock

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## Documentation & Additional Information

Product Drawings:
- receptacle assembly, size 5, 50 pos. right angle, .5... (PDF, English)

Catalog Pages/Data Sheets:
- None Available

Product Specifications:
- None Available

Application Specifications:
- AMPLIMITE HD-20 Series 454 and 545 Right-Angle Rear ... (PDF, English)

Instruction Sheets:
- None Available

CAD Files:
- None Available

List all Documents

Additional Information:
- Product Line Information

Related Products:
- Tooling

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

Product Type Features:
- Number of Positions = 50
- Gender = Receptacle
- PCB Mount Angle = Right Angle
- Product Series = HDP-20
- Mating Connector Lock = Without
- PCB Retention Feature = Yes
- Shell Type = Front Metal Shell
- Shell Size = 5
- Footprint (mm [in]) = 13.84 [.545]
- PCB Thickness (in [mm]) = 0.062 [1.57]
- Grounding Indents = Without
- Grounding Straps = Without
- PCB Mount Style = Thru Hole
- Color Code = None
- Sealed = No
- Profile = Standard
- Post Size (mm [in]) = 0.64 [.025]
- Mounting Hole Diameter (mm [in]) = 3.05 [.120]
- Shell Material = Steel

Mechanical Attachment:
- Panel Attachment = Without

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

Body Related Features:
- PCB Retention Method = Mounting Holes
- Shell Plating = Zinc

Contact Related Features:
- Contact Mating Area Plating Material = Gold Flash
- Contact Shape = Square
- Contact Material = Phosphor Bronze

Housing Related Features:
- Housing Flammability Rating = UL 94V-0
- Housing Material = Thermoplastic

Industry Standards:
- RoHS/ELV Compliance = ELV compliant
- Lead Free Solder Processes = Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C
- RoHS/ELV Compliance History = Always was ELV compliant

Operation/Application:
- Application = Standard

Other:
- Brand = AMP


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