

## 205870-1 Product Details

Live Product Chat



### 205870-1

TE Part Number: 205870-1

Active

Add to Part List

### 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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### Quick Links

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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

#### Additional Information:

- [Product Line Information](#)

#### Related Products:

- [Tooling](#)

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### 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