

205859-1 Product Details

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205859-1

TE Part Number: 205859-1

✓ [Active](#)

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Standard Board Mount Connectors

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

Product Highlights:

- Number of Positions = 37
- Plug
- PCB Mount Angle = Right Angle
- Product Series = HDP-20
- Without Mating Connector Lock

[View all Features](#) | [Find Similar Products](#)

Quick Links

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Documentation & Additional Information

Product Drawings:

- [PLUG ASSEMBLY, SIZE 4, 37 POSITION, RIGHT ANGLE, 545...](#) (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: ([CAD Format & Compression Information](#))

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

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)
- [Mating Products \(4\)](#)

[List all Documents](#)

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

Product Type Features:

- [Number of Positions](#) = 37
- [Gender](#) = Plug
- [PCB Mount Angle](#) = Right Angle
- [Product Series](#) = HDP-20
- [Mating Connector Lock](#) = Without
- [PCB Retention Feature](#) = Yes
- [Shell Type](#) = Front Metal Shell
- [Shell Size](#) = 4
- [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 = Brass

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