



6-747843-7 Product Details

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6-747843-7

TE Internal Number: 6-747843-7
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Standard Board Mount Connectors

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

Product Highlights:

- 37 Positions
- Connector Style = Plug
- 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:

- [RIGHT ANGLE, FRONT METAL SHELL, .318 SERIES, BOARDLO...](#) (PDF, English)

Catalog Pages/Data Sheets:

- None Available

Product Specifications:

- None Available

Application Specifications:

- None Available

Instruction Sheets:

- None Available

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

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

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:

- [PCB Mounting Orientation](#) = Right Angle
- [Product Series](#) = HD 20
- [Mating Connector Lock](#) = Without
- [PCB Mount Retention](#) = With
- [Shell Type](#) = Front Metal Shell
- [Shell Size](#) = 4
- [Footprint \(mm \[in\]\)](#) = 8.08 [.318]
- [Grounding Indents](#) = With
- [Grounding Straps](#) = With
- [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]
- Shell Material = Steel
- Eyelet Material = Brass

Mechanical Attachment:

- [Panel Mount Retention](#) = Without
- Boardlock Material = Copper Alloy
- Boardlock Plating = Tin over Nickel

Termination Features:

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

Body Features:

- [Number of Positions](#) = 37
- [PCB Mount Retention Type](#) = Boardlock(s)
- Shell Plating = Tin
- Eyelet Plating = Tin over Copper Flash

Contact Features:

- [Contact Plating, Mating Area, Material](#) = Gold (30), Gold Flash over Palladium Nickel
- Contact Shape = Round
- Contact Base Material = Brass

Housing Features:

- Connector Style = Plug
- 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 \[mm\]\)](#) = 0.062 [1.57]

Other:

- Brand = AMP
- Comment = Plugs are preloaded with size 20 DF posted pin contacts

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