



7-747840-1 Product Details



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TE Internal Number: 7-747840-1
Active

[View 3D PDF](#)

Standard Board Mount Connectors

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

Product Highlights:

- 9 Positions
- Connector Style = Plug
- PCB Mounting Orientation = Right Angle
- Product Series = HD 20
- With Mating Connector Lock

[View all Features](#)

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Documentation & Additional Information

Product Drawings:

- [PLUG ASSEMBLY, SIZE 1, 9 POSITION, RIGHT ANGLE, FRON...](#) (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 AC)
- [3D Model](#) (IGES, Version AC)
- [3D Model](#) (STEP, Version AC)

[List all Documents](#)

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)
- [Mating Products \(9\)](#)

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](#) = With
- [Mating Connector Lock Type](#) = Female Screwlocks, Fixed
- [PCB Mount Retention](#) = With
- [Shell Type](#) = Front Metal Shell
- [Shell Size](#) = 1
- [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
- [Female Screwlock Material](#) = Zinc
- [Female Screwlock Plating](#) = Clear Chromate

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](#) = 9
- [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
- [Lead Free Solder Processes](#) = Wave solder capable to 260°C, Wave solder capable to 240°C, Wave solder capable to 265°C
- [RoHS/ELV Compliance History](#) = Always was ELV compliant

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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