

## 6-747843 -7 Product Details

**Live Product Chat** US Only  
8:30am - 5pm ET, Mon - Fri



**6-747843 -7**

Active

### Standard Board Mount Connectors

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

#### Product Highlights:

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

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

#### Quick Links

- [Check Pricing & Availability](#)
- [Search for Tooling](#)
- [View Mating Products \(4\)](#)
- [Product Feature Selector](#)
- [Contact Us About This Product](#)

### 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 R)
- ? [3D Model](#) (IGES, Version R)
- ? [3D Model](#) (STEP, Version R)

[List all Documents](#)

#### Additional Information:

- ? [Product Line Information](#)

#### Related Products:

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

### 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](#) = HD 20
- ? [Mating Connector Lock](#) = Without
- ? [PCB Retention Feature](#) = Yes
- ? [Shell Type](#) = Front Metal Shell
- ? [Shell Size](#) = 4
- ? [Footprint \(mm \[in\]\)](#) = 8.08 [.318]
- ? [PCB Thickness \(in \[mm\]\)](#) = 0.062 [1.57]
- ? [Grounding Indents](#) = With
- ? [Grounding Straps](#) = With
- ? [PCB Mount Style](#) = Thru 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
- ? Comment = Plugs are preloaded with size 20 DF posted pin contacts

#### Mechanical Attachment:

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

#### Termination Related Features:

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

#### Body Related Features:

- ? [PCB Retention Method](#) = Boardlock(s)
- ? Shell Plating = Tin
- ? Eyelet Plating = Tin over Copper Flash

#### Contact Related Features:

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

#### Housing Related Features:

- ? Housing Flammability Rating = UL 94V -0
- ? Housing Material = Thermoplastic

#### 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

#### Other:

- ? Brand = AMP