



## 5050462-2 Product Details

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5050462-2

TE Internal Number: 5050462-2

Active

View 3D PDF

### Discrete Sockets

Always EU RoHS/ELV Compliant (Statement of Compliance)

#### Product Highlights:

- Mini-Spring Socket Product Line
- Board-to-Board, Wire-to-Board
- Applies To Wire/Cable, Applies To Printed Circuit Board
- Contact - Rated Current = 5 A
- Wire/Cable Size = .081 - .326 mm<sup>2</sup>

[View all Features](#)

### Quick Links

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### Documentation & Additional Information

#### Product Drawings:

- [MINIATURE SPRING SOCKET ASSEMBLY SERIES 2 \(PDF, English\)](#)

#### 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 \(DXF, Version 0\)](#)
- [3D Model \(IGES, Version 0\)](#)
- [3D Model \(STEP, Version 0\)](#)

#### Additional Information:

- [Product Line Information](#)

#### Related Products:

- [Tooling](#)

[List all Documents](#)

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

#### Product Type Features:

- Product Line = Mini-Spring Socket
- Socket Length (mm [in]) = 4.52 [0.178]
- Sleeve Style = Open Bottom
- Sealant = Without
- Wire/Cable Type = Discrete Wire
- Termination Method to Wire/Cable = Solder
- Termination Method to PC Board = Through Hole - Press Fit
- Product Series = 3
- Sleeve Material = Copper
- Profile = Zero

#### Electrical Characteristics:

- Contact - Rated Current (A) = 5

#### Termination Features:

- Wire/Cable Size (mm<sup>2</sup>) = 0.081 - 0.326
- Wire/Cable Size (AWG) = 22 - 28
- Insertion Method = Hand/Semi-Automatic

#### Dimensions:

- Recommended Hole Size (mm [in]) = 1.32 [0.052]
- PCB Thickness, Recommended (mm [in]) = 0.79 - 3.18 [0.031 - 0.125]

#### Body Features:

- Mating Pin Dia. Range (mm [in]) = 0.36 - 0.66 [0.014 - 0.026]
- Sleeve Material Plating = Tin
- Wire Type = Solid
- Spring Material = Beryllium Copper

#### Contact Features:

- Contact Spring Plating = Gold (30)
- Contact Plating, Mating Area, Material = Gold (30)
- Contact Plating, Mating Area, Thickness (µm [µin]) = 0.00076 [0.03]
- Contact Type = Socket
- Contact Base Material = Beryllium Copper

#### Industry Standards:

- Government/Industry Qualification = No
- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Wave solder capable to 260°C, Wave solder capable to 240°C, Wave solder capable to 265°C, Reflow solder capable to 245°C, Reflow solder capable to 260°C, Pin-in-Paste capable to 245°C, Pin-in-Paste capable to 260°C
- RoHS/ELV Compliance History = Always was RoHS compliant

#### Environmental:

- Operating Temperature (°C [°F]) = -65 - +126 [-85 - +258]

#### Conditions for Usage:

- Applies To = Wire/Cable, Printed Circuit Board

#### Operation/Application:

- Application Use = Board-to-Board, Wire-to-Board
- Contact Transmits (Typical Application) = Signal (Data)/Power
- Application = Production

#### Packaging Features:

- Packaging Method = Loose Piece
- Packaging Quantity = 2,000/Bag

#### Other:

- Brand = AMP

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- [Product Cross Reference](#)
- [Documents & Drawings](#)
- [Product Compliance Support Center](#)
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