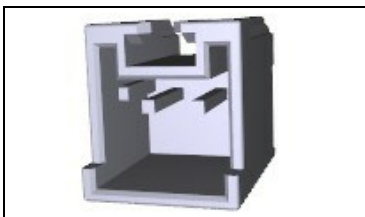




# 917780-9 Product Details

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**917780-9**

## 2.5mm Signal Double Lock Connector

[Converted to EU RoHS/ELV Compliant \(Statement of Compliance\)](#)

### Product Highlights:

- Connector
- Wire-to-Board
- Applies To Printed Circuit Board
- Glow Wire Rating = Standard Part - Not Glow Wire
- Header

[View all Features](#)

### Quick Links

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TE Internal Number: 917780-9

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## Documentation & Additional Information

### Product Drawings:

- [2.5mm SIGNAL DBL-LOCK 2P POST HEADER ASS'Y \(PDF, Japanese\)](#)

### Catalog Pages/Data Sheets:

- [SOFT\\_SHELL\\_PIN\\_AND\\_SOCKET\\_CONNECTORS\\_CATALOG \(PDF, English\)](#)

### Product Specifications:

- [2.5 Signal DBL Lock Connector \(PDF, English\)](#)

### Application Specifications:

- None Available

### Instruction Sheets:

- [AMP 2.5 SIGNAL DOUBLE LOCK CONNECTOR SERIES \(PDF, English\)](#)

### CAD Files: (CAD Format & Compression Information)

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

[List all Documents](#)

### Additional Information:

- [Product Line Information](#)

### Related Products:

- [Tooling](#)
- [Mating Products \(1\)](#)

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

### Product Type Features:

- Product Type = Connector
- Connector Type = Header
- Profile = Standard
- PCB Mounting Orientation = Vertical
- PCB Mount Retention = With
- PCB Mount Alignment = With
- PCB Mount Retention Type = Kinked
- PCB Mount Alignment Type = Locating Post(s)
- Sealed = No

### Mechanical Attachment:

- Contact Retention = Without
- Mating Retention Type = Latching

### Electrical Characteristics:

- Contact - Rated Current (A) = 3
- Operating Voltage Reference = AC/DC
- Operating Voltage (VAC) = 50
- Operating Voltage (VDC) = 50

### Termination Features:

- Termination Method to Wire/Cable = Solder
- Termination Method to PC Board = Through Hole - Solder

### Dimensions:

- Tail Length (mm [in]) = 3.2 [0.126]
- PCB Thickness, Recommended (mm [in]) = 1.60 [0.063]

### Housing Features:

- Connector Style = Receptacle
- Centerline (mm [in]) = 2.50 [0.098]
- Housing Material = Nylon 6/6 GF
- Housing Color = Black
- Mating Alignment = With
- Mating Alignment Type = Polarization

### Configuration Features:

- Number of Positions = 2
- Number of Rows = 1
- Strain Relief = Without

### Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, 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 = Converted to comply with RoHS directive
- UL Flammability Rating = UL 94V-0

### Environmental:

- Operating Temperature (°C [°F]) = -30 - +105 [-22 - +221]

### Conditions for Usage:

- Applies To = Printed Circuit Board
- Glow Wire Rating = Standard Part - Not Glow Wire

### Operation/Application:

**Body Features:**

- Header Type = Shrouded
- Mating Retention = With

**Contact Features:**

- Contact Type = Tab
- Contact Base Material = Brass
- Contact Plating, Mating Area, Material = Pre-Tin
- Contact Plating, Mating Area, Thickness ( $\mu\text{m}$  [ $\mu\text{in}$ ]) = 0.8 - 2.5 [31.49 - 98.42]
- Contact Plating, Termination Area, Material = Pre-Tin
- Contact Plating, Termination Area, Thickness ( $\mu\text{m}$  [ $\mu\text{in}$ ]) = 0.8 - 2.5 [31.49 - 98.42]
- Underplate Material = Copper
- Underplate Material Thickness ( $\mu\text{m}$  [ $\mu\text{in}$ ]) = 0.50 - 1.20 [19.680 - 47.240]
- Contact Size = .64

- Application Use = Wire-to-Board

- Contact Transmits (Typical Application) = Signal (Data)

**Packaging Features:**

- Packaging Method = Bag
- Packaging Quantity = 300

**Other:**

- Brand = AMP

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