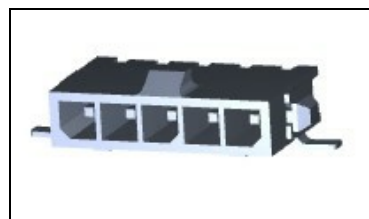




# 1445100-5 Product Details

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**1445100-5**

## 3mm Centerline, 250V, 5 A max.

Not EU RoHS or ELV Compliant ([Find RoHS Compliant Alternates](#))

### Product Highlights:

- Wire-to-Board
- Applies To Printed Circuit Board
- Connector
- Header
- Connector Style = Plug

[View all Features](#)

### Quick Links

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TE Internal Number: 1445100-5

Active

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## Documentation & Additional Information

### Product Drawings:

- [RIGHT ANGLE SURFACE MNT HEADER ASSY, 0.76 MIC GOLD C...](#) (PDF, English)

### Catalog Pages/Data Sheets:

- [1773458-4\\_MICRO\\_MATE\\_N\\_LOK\\_CONNECTOR\\_SYSTEM\\_QRG](#) (PDF, English)
- [SOFT\\_SHELL\\_PIN\\_AND\\_SOCKET\\_CONNECTORS\\_CATALOG](#) (PDF, English)

### Product Specifications:

- None Available

### Application Specifications:

- [Micro MATE-N-LOK Connectors](#) (PDF, English)

### Instruction Sheets:

- None Available

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

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

[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
- PCB Mounting Orientation = Right Angle
- PCB Mount Retention Type = SMT Hold Down
- PCB Mount Alignment = Without
- PCB Mount Retention = With
- Sealed = No
- CSA File Number = LR 7189

### Mechanical Attachment:

- Panel Mount Retention = Without
- Mating Retention Type = Locking Tab

### Electrical Characteristics:

- Contact - Rated Current (A) = 5
- Operating Voltage Reference = AC/DC
- Operating Voltage (VAC) = 250
- Operating Voltage (VDC) = 250

### Termination Features:

- Termination Method to Wire/Cable = Solder
- Termination Method to PC Board = Surface Mount

### Dimensions:

- Tail Length (mm [in]) = 1.4 [0.055]
- PCB Thickness, Recommended (mm [in]) = 1.57 [0.062]

### Housing Features:

- Connector Style = Plug
- Housing Color = Black
- Housing Material = High Temperature Nylon
- Centerline (mm [in]) = 3.00 [0.118]
- Mating Alignment = With
- Mating Alignment Type = Polarization

### Configuration Features:

- Number of Positions = 5
- Number of Rows = 1

### Industry Standards:

- [RoHS/ELV Compliance](#) = Not ELV/RoHS compliant
- [Lead Free Solder Processes](#) = Not suitable for lead free processing
- VDE Tested = Yes
- Agency/Standard = CSA, UL
- UL Rating = Recognized
- UL File Number = E28476
- CSA Rating = Certified
- UL Flammability Rating = UL 94V-0

### Environmental:

- Operating Temperature (°C [°F]) = -40 - +105 [-40 - +221]

### Conditions for Usage:

- Applies To = Printed Circuit Board

**Body Features:**

- SMT Holddown Plating = Matte Tin
- Mating Retention = With

**Contact Features:**

- Contact Type = Pin
- Contact Layout = In-Line
- Contact Base Material = Brass
- Contact Plating, Mating Area, Material = Gold
- Contact Plating, Mating Area, Thickness ( $\mu\text{m}$  [ $\mu\text{in}$ ]) = 0.76 [29.92]
- Tail Plating Material = Tin-Lead
- Underplate Material Thickness ( $\mu\text{m}$  [ $\mu\text{in}$ ]) = 1.27 [50.000]
- Multiple Contact Types = Without
- Tail Plating Thickness ( $\mu\text{m}$  [ $\mu\text{in}$ ]) = 2.54 [100]
- Underplate Material = Nickel

**Operation/Application:**

- Application Use = Wire-to-Board

**Packaging Features:**

- Packaging Method = Tape
- Packaging Quantity = 215

**Other:**

- Brand = AMP

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