

# 1445094-2 Product Details

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**1445094-2**

## 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](#)

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TE Internal Number: 1445094-2

Active

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## Documentation & Additional Information

**Product Drawings:**

- [VERTICAL THRU HOLE HEADER ASSY, 0.76 MIC GOLD CONTAC...](#) (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 B)
- [3D Model](#) (IGES, Version B)
- [3D Model](#) (STEP, Version B)

[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 = Vertical
- PCB Mount Retention Type = Boardlock(s)
- PCB Mount Alignment = Without
- PCB Mount Retention = With
- Sealed = No
- CSA File Number = LR 7189

**Mechanical Attachment:**

- Panel Mount Retention = Without
- Boardlock Material = Phosphor Bronze
- Boardlock Plating = Matte Tin
- 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 = Through Hole - Solder

**Dimensions:**

- Tail Length (mm [in]) = 3.18 [0.125]

**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 = 2
- 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 = UL, CSA
- 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

- PCB Thickness, Recommended (mm [in]) = 1.57 [0.062]

**Body Features:**

- 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 = Tray
- Packaging Quantity = 350

**Other:**

- Brand = AMP

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