

Have a Question? Chat with a Product Information Specialist

What can we help you find?

Email

**Products Industries** Resources **About TE** My Account **Innovation Support Center** 

# 770166-1 Product Details



770166-1

TE Internal Number: 770166-1 Active



#### .163" Centerline, 600 V, 9.5 A max.

Not EU RoHS or ELV Compliant (Find RoHS Compliant Alternates)

#### **Product Highlights:**

- Mini-Universal MATE-N-LOK Product Line
- Wire-to-Board
- Applies To Printed Circuit Board
- Connector
- Glow Wire Rating = Standard Part Not Glow Wire

View all Features

#### **Quick Links**

Share

- Pricing & Availability
  - Search for Tooling
- View Mating Products (2)
- Product Feature Selector
- ▶ Contact Us About This Product

Find Similar Products

Print

Add to My Part List Request Sample

#### **Buy Product**

#### **Documentation & Additional Information**

#### **Product Drawings:**

HEADER ASSEMBLY, 2 CKT, MINI UNIVERSAL MATE-N-LOK (PDF, English)

# Catalog Pages/Data Sheets:

ELL PIN AND SOCKET CONNECTORS CATALOG (PDF, English)

# **Product Specifications:**

• None Available

### **Application Specifications:**

• Mini-Universal MATE-N-LOK Connectors (PDF, English)

# **Instruction Sheets:**

• Mini-Universal MATE-N-LOK Connectors (PDF, English)

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

- 2D Drawing (DXF, Version L)
- 3D Model (IGES, Version L)
- 3D Model (STEP, Version L)

# **Additional Information:**

Product Line Information

#### **Related Products:**

- Tooling
- Mating Products (2)

## List all Documents

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

### **Product Type Features:**

- Product Line = Mini-Universal MATE-N-LOK
- Product Type = Connector
- Connector Type = Header
- PCB Mounting Orientation = Vertical
- PCB Mount Retention = With
- Sealed = No
- PCB Mount Retention Type = Boardlock(s)
- PCB Mount Alignment = Without
- CSA File Number = LR 7189

## **Mechanical Attachment:**

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

### **Housing Features:**

- Connector Style = Plug
- Housing Material = Nylon GF
- Housing Color = White
- Mating Alignment = With
- Mating Alignment Type = Chamfered Edges
- Centerline (mm [in]) = 4.14 [0.163]

### **Configuration Features:**

- Number of Rows = 1
- Number of Positions = 2
- Solder Process Drain Hole = With

# • Strain Relief = Without

# **Industry Standards:**

• RoHS/ELV Compliance = Not ELV/RoHS compliant

### **Electrical Characteristics:**

- Contact Rated Current (A) = 9.5
- Operating Voltage Reference = AC/DC
- Operating Voltage (VAC) = 600
- Operating Voltage (VDC) = 600

# **Termination Features:**

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

### **Dimensions:**

- Tail Length (mm [in]) = 3.69 [0.145]
- PCB Thickness, Recommended (mm [in]) = 1.57 [0.062]

### **Body Features:**

- Used With = Plug Housing
- Mating Retention = With
- Assembly Integration Feature = Without

#### **Contact Features:**

- Contact Type = Pin
- Contact Layout = In-Line
- Contact Diameter (mm [in]) = 1.00 [0.0394]
- Contact Base Material = Brass
- Contact Plating, Mating Area, Material = Matte Tin Lead
- Contact Plating, Mating Area, Thickness (µm [µin]) = 3.81 [150]
- Tail Plating Material = Matte Tin Lead
- Shunts/Shorting Bars = Without
- Multiple Contact Types = Without
- Tail Plating Thickness (µm [µin]) = 3.81 [150]
- Underplate Material = Nickel
- Underplate Material Thickness ( $\mu$ m [ $\mu$ in]) = 1.27 [50.000]

- Lead Free Solder Processes = Not suitable for lead free processing
- VDE Tested = Yes
- Agency/Standard = CSA, UL
- UL Rating = Recognized
- CSA Rating = Certified
- UL File Number = E28476
- UL Flammability Rating = UL 94V-0

#### **Environmental:**

 Operating Temperature (°C [°F]) = -20 - +105 [-4 - +221]

#### Conditions for Usage:

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

#### Operation/Application:

• Application Use = Wire-to-Board

#### **Packaging Features:**

- Packaging Method = Bag
- Packaging Quantity = 200

#### Other:

• Brand = AMP

## **Corporate Information**

About TE Investors **News Room** Supplier Portal Careers

**Privacy Policy** 

AODA Multi-Year Accessibility

**Terms & Conditions AODA Accessibility Policy** Plan

**Quick Links** 

**Distributor Inventory Product Cross Reference Documents & Drawings Product Compliance Support Center** 

Site Map

**Customer Support** 

Email or Chat With Us Find a Phone Number Knowledge Base Manage Your Account

# **Keep Me Informed**













[+] Provide Website Feedback

