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1-770166-0 Product Details



1-770166-0

TE Internal Number: 1-770166-0





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



Product Highlights:

- Mini-Universal MATE-N-LOK Product Line, Mini-Universal MATE-N-LOK 2 Product Line
- Wire-to-Board
- Applies To Printed Circuit Board
- Connector
- Glow Wire Rating = Standard Part Not Glow

Request Sample

View all Features

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Quick Links

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- Pricing & Availability Search for Tooling
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Documentation & Additional Information

Product Drawings:

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

Catalog Pages/Data Sheets:

- 1-1773458-0_MINI_UNIVERSAL_MATE_N_LOK_CONNECTOR_SYST... (PDF, English)
- SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG (PDF, English)

Product Specifications:

None Available

Application Specifications:

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

Instruction Sheets:

None Available

CAD Files: (CAD Format & Compression Information)

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

Additional Information:

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Related Products:

- 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, Mini-Universal MATE-N-LOK 2
- Product Type = Connector
- Connector Type = Header
- Termination Method to Wire/Cable = Solder
- PCB Mounting Orientation = Vertical
- PCB Mount Retention = With
- Sealed = No
- Termination Method to PC Board = Through Hole Solder
- PCB Mount Retention Type = Boardlock(s)
- PCB Mount Alianment = Without
- Strain Relief = Without
- UL File Number = E28476
- CSA File Number = LR 7189

Mechanical Attachment:

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

Electrical Characteristics:

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

Termination Features:

• Tail Length (mm [in]) = 3.69 [0.145]

Housing Features:

- Connector Style = Plug
- Housing Material = Nylon
- Housing Color = White
- Mating Alignment = With
- Mating Alignment Type = Chamfered Edges
- Centerline (mm [in]) = 4.14 [0.163]
- UL Flammability Rating = UL 94V-0

Configuration Features:

- Number of Rows = 1
- Number of Positions = 2

Industry Standards:

- 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
- RoHS/ELV Compliance History = Always was RoHS compliant
- VDE Tested = Yes
- Agency/Standard = CSA, UL
- UL Rating = Recognized
- CSA Rating = Certified

Environmental:

Operating Temperature (°C [°F]) = -20 - +85 [-4 - +185]

Conditions for Usage:

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

▼ Tan Lengur (IIIII [III]) = 3.00 [0.143]

Dimensions:

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

- Body Features:

 Used With = Plug Housing
 - Mating Retention = With
 - Underplate Material Thickness (μ m [μ in]) = 1.27 [50.000]
 - 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
- Contact Plating, Mating Area, Thickness (μm [μin]) = 3.81 [150]
- Tail Plating Material = Matte Tin
- Solder Process Drain Hole = With
- Shunts/Shorting Bars = Without
- Multiple Contact Types = Without
- Tail Plating Thickness (μ m [μ in]) = 3.81 [150]
- Underplate Material = Nickel

Operation/Application:

• Application Use = Wire-to-Board

- Packaging Features:
 Packaging Method = Bag
 - Packaging Quantity = 200

Other:
• Brand = AMP

