

1586086-1 Product Details

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1586086-1

.250" Centerline, 600 V, 19 - 36 A max

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Universal MATE-N-LOK Product Line
- Wire-to-Board
- Applies To Printed Circuit Board
- Connector
- Header

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TE Internal Number: 1586086-1
 Active

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Documentation & Additional Information

Product Drawings:

- None Available

Catalog Pages/Data Sheets:

- None Available

Product Specifications:

- None Available

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

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

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)

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

Product Type Features:

- Product Line = Universal MATE-N-LOK
- Product Type = Connector
- Connector Type = Header
- PCB Mounting Orientation = Vertical
- PCB Mount Retention = Without
- PCB Mount Alignment = With
- Sealed = No
- PCB Mount Alignment Type = Standard Polarized Tail

Mechanical Attachment:

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

Electrical Characteristics:

- Contact - Rated Current (A) = 12
- Operating Voltage Reference = AC
- Operating Voltage (VAC) = 600

Termination Features:

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

Dimensions:

- Tail Length (mm [in]) = 3.94 - 4.69 [0.155 - 0.185]
- PCB Thickness, Recommended (mm [in]) = 1.57 [0.062]

Body Features:

- Mating Retention = With
- Assembly Integration Feature = Without

Contact Features:

- Contact Type = Pin
- Contact Style = Straight
- Contact Layout = In-Line
- Contact Base Material = Phosphor Bronze
- Contact Plating, Mating Area, Material = Pre-Tin
- Tail Plating Material = Pre-Tin
- Multiple Contact Types = Without

Housing Features:

- Connector Style = Plug
- Centerline (mm [in]) = 6.35 [0.2499]
- Housing Material = Nylon - GF
- Housing Color = White
- Mating Alignment = With
- Mating Alignment Type = Polarization

Configuration Features:

- Number of Positions = 4
- Number of Rows = 1

Industry Standards:

- Agency/Standard = UL
- UL Flammability Rating = UL 94V-0
- 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 = Always was RoHS compliant
- VDE Tested = Yes
- UL Rating = Recognized
- UL File Number = E28476

Environmental:

- Operating Temperature (°C [°F]) = -55 - +105 [-67 - +221]

Conditions for Usage:

- Applies To = Printed Circuit Board
- Glow Wire Rating = Standard Part - Not Glow Wire
- For Use With = Universal MATE-N-LOK

Operation/Application:

- Application Use = Wire-to-Board

Packaging Features:

- Packaging Method = Bag
- Packaging Quantity = 100

Other:

- Brand = TE Connectivity

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