



CONNECTORS

RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

06P MINI UMNL R/A HDR ASSY LF

MATE-N-LOK | Mini-Universal MATE-N-LOK Connectors

1-770969-1

TE Internal Number: 1-770969-1

Always EU RoHS/ELV Compliant

Product Type **Header**

Housing Type **Plug**

Connector System **Wire-to-Board**

Applies To **Printed Circuit Board**

Contact Current Rating (A) **9.5**

✓ Active

↓ **PRODUCT DRAWING**
English

↓ **3D PDF**



Product Drawings

HEADER ASSEMBLY, RIGHT ANGLE, WITH SHORT PEG, 6 CIRCUIT, MINI UNIVERSAL MATE-N-LOK(TM)

PDF
English

CAD Files

3D PDF

PDF
English

Customer View Model

2D_DXF.ZIP
English

Customer View Model

3D_IGS.ZIP
English

Customer View Model

3D_STP.ZIP
English

Catalog Pages/Data Sheets

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

PDF
English

1-1773458-0_MINI_UNIVERSAL_MATE_N_LOK_CONNECTOR_SYSTEM_ORG

Product Specifications

Application Specification

[Mini-Universal MATE-N-LOK Connectors](#)

PDF
English

[Mini-Universal MATE-N-LOK Splash-Proof Sealed Connectors](#)

PDF
English

Product Environmental Compliance

TE Material Declaration

[MD_1-770969-1_02262016924_dmtec](#)

PDF
English

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

Product Type Features

Product Type

Header

Housing Type

Plug

Contact Type

Pin

Configuration Features

Number of Positions

6

Centerline

4.14 mm [.163 in]

PCB Mounting Orientation

Right Angle

Number of Rows

2

Row-to-Row Spacing

4.14 mm [.163 in]

Multiple Contact Types

Without

Electrical Characteristics

Contact Current Rating (A)

9.5

Operating Voltage (VAC)

600

Operating Voltage (VDC)

600

Contact Features

Contact Retention

Without

Contact Termination Area Plating Material

Tin-Lead

Contact Termination Area Plating Thickness

3.81 µm [150 µin]

Termination Features

Termination Method to Wire/Cable

Solder

Termination Method to PC Board

Through Hole - Solder

Termination Post/Tail Length

3.69 mm [.145 in]

Mechanical Attachment

Mating Alignment

With

	Mating Retention	With
	PCB Mount Retention	With
	PCB Mount Retention Type	Boardlocks
	Mating Alignment Type	Chamfered Edges
	PCB Mount Alignment	Without
	Assembly Integration Feature	Without
	Mating Retention Type	Locking Tab
	Panel Mount Retention	Without
	Strain Relief	Without
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Housing Features	UL Flammability Rating	UL 94V-0
	Housing Color	White
	Housing Material	Nylon
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Dimensions	Width (mm)	12.7
	Height (mm)	11.86
	PCB Thickness (Recommended)	1.57 mm [.062 in]
	Length (mm)	14
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Usage Conditions	Sealed Condition	Not Sealed
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Operation/Application	Connector System	Wire-to-Board
	Applies To	Printed Circuit Board
	Operating Temperature	-55 – 105 °C [-68 – 221 °F]
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Industry Standards	Glow Wire Rating	Standard Part - Not Glow Wire
	VDE Tested	Yes
	CSA Rating	Certified
	Agency/Standard Number	E28476
	UL Rating	Recognized
	CSA File Number	LR7189
	Agency/Standard	CSA, UL
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Packaging Features	Packaging Method	Bag
	Packaging Quantity	100
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Other	For Use With	Plug Housing

Product Compliance

[Statement of Compliance](#)
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

