



RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

02P MINI UMNL HDR ASSY AU LF

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

1-770872-1

TE Internal Number: 1-770872-1

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, CLOSED BOTTOM, 2 CKT, MINI UNIVERSAL, MATE-N-LOK](#)

PDF
English

CAD Files

[3D PDF](#)

PDF
3D

[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](#)

PDF
English

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_1-770872-1_02262016922_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	2
	Centerline	4.14 mm [.163 in]
	PCB Mounting Orientation	Vertical
	Number of Rows	1
	Multiple Contact Types	Without
	Contact Layout	Inline
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

Housing Features	UL Flammability Rating	UL 94V-0
	Housing Color	Natural, White
	Housing Material	Nylon 66/6, Nylon GF
Dimensions	Width (mm)	9.83
	Height (mm)	13.49
	PCB Thickness (Recommended)	1.57 mm [.062 in]
	Length (mm)	9.83
Usage Conditions	Sealed Condition	Not Sealed
Operation/Application	Connector System	Wire-to-Board
	Applies To	Printed Circuit Board
	Operating Temperature	-20 – 105 °C [-4 – 221 °F]
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
Packaging Features	Packaging Method	Bag
	Packaging Quantity	200
Other	For Use With	Plug Housing
Product Compliance	Statement of Compliance PDF VIEW ALL PRODUCT COMPLIANCE	

CUSTOMERS ALSO BOUGHT

RECTANGULAR POWER CONNECTORS	RECTANGULAR POWER CONNECTORS	POWER CONTACTS	POWER CONTACTS
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 <p>03P MINI UMNL HDR ASSY AU LF 1-770873-1</p>	 <p>04P MINI UMNL HDR ASSY AU LF 1-770874-1</p>	 <p>MINI UMNL2 PIN 26-22AWG AU LF 1-794218-0</p>	 <p>MINI UMNL2 SOK 26-22 AWG LP LF 1-794227-0</p>
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Products - 3 Results

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Relation Type ▼

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)


	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Rectangular Connector Seals MATE-N-LOK Mini-Universal MATE-N-LOK</p> <p>02P MINI UMNL SEAL, DIE CUT - 794772-2 TE INTERNAL NUMBER: 794772-2</p> <p>✓ Active</p> <p>Always EU RoHS/ELV Compliant</p> <p>Accessory Type Interface Seal</p>
	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Rectangular Power Connectors MATE-N-LOK Mini-Universal MATE-N-LOK</p> <p>02P MINI UMNL PLUGS WIRE HOLES - 794894-1 TE INTERNAL NUMBER: 794894-1</p> <p>✓ Active</p> <p>Always EU RoHS/ELV Compliant</p> <p>Product Type Housing</p> <p>Housing Type Plug</p> <p>Connector System Wire-to-Wire</p> <p>Applies To Wire/Cable</p> <p>Number of Positions 2</p>

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Rectangular Power Connectors MATE-N-LOK Mini-Universal MATE-N-LOK</p> <p>2 CIR UNIV M-N-L PLUG NATL - 172165-1 TE INTERNAL NUMBER: 172165-1 ALIAS ID: 2-42939-6011</p> <p>✓ Active</p> <p>Always EU RoHS/ELV Compliant</p> <p>Product Type Housing</p> <p>Housing Type Plug</p> <p>Connector System Wire-to-Wire</p> <p>Applies To Wire/Cable</p> <p>Number of Positions 2</p>
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RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Rectangular Power Connectors
MATE-N-LOK I Mini-Universal MATE-N-LOK 2

02P MINI UMNL2 PLUG HSG UL94V0 - 794184-1

TE INTERNAL NUMBER: 794184-1

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Plug**

Connector System **Wire-to-Wire**

Applies To **Wire/Cable**

Number of Positions **2**

