

#### **RECTANGULAR POWER CONNECTORS**

















**PRODUCT DRAWING** 



3D PDF

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

**Product Drawings** 

HEADER ASSEMBLY, CLOSED BOTTOM, 2 CKT, MINI UNIVERSAL, MATE-N-LOK

PDF **English** 

**CAD Files** 

3D PDF

PDF

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\_QRG

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
ilectrical 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

Strain Items

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
Jsage 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	

#### VIEW ALL PRODUCT COMPLIANCE

### **CUSTOMERS ALSO BOUGHT**



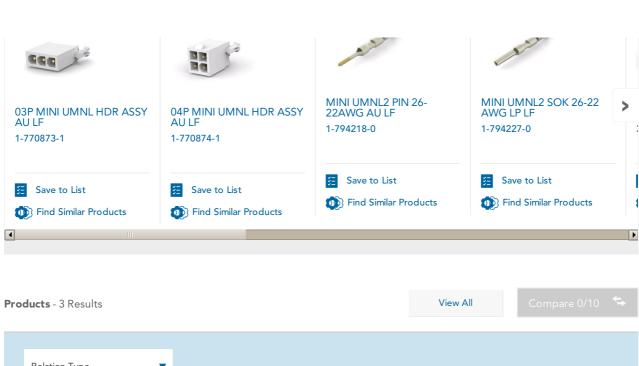


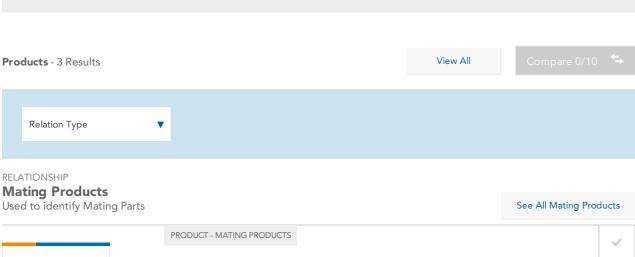


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Connectors - Rectangular Power Connectors MATE-N-LOK | Mini-Universal MATE-N-LOK | O2P MINI UMNL PLUGS WIRE HOLES - 794894-1

PRODUCT - MATING PRODUCTS

✓ Activ

#### Always EU RoHS/ELV Compliant

Product Type **Housing** 

Housing Type **Plug** 

Connector System Wire-to-Wire

Applies To Wire/Cable

Number of Positions 2

# RELATIONSHIP Mating Products

Used to identify Mating Parts

See All Mating Products



PRODUCT - MATING PRODUCTS

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

2 CIR UNIV M-N-L PLUG NATL - 172165-1

TE INTERNAL NUMBER: 172165-1 ALIAS ID: 2-42939-6011

✓ 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

RELATIONSHIP

## **Mating Products**Used to identify Mating Parts

See All Mating Products



PRODUCT - MATING PRODUCTS

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

02P MINI UMNL2 PLUG HSG UL94V0 - 794184-1 TE INTERNAL NUMBER: 794184-1

#### Always EU RoHS/ELV Compliant

Product Type **Housing** 

Housing Type **Plug** 

Connector System Wire-to-Wire

Applies To Wire/Cable

Number of Positions 2

