+ CONNECTORS

RECTANGULAR POWER CONNECTORS

TE CONNECTIVITY (TE)

10P MINI UMNL R/A HDR ASSY LF

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

1-770971-1
TE Internal Number: 1-770971-1

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, 10 CIRCUIT, MINI UNIVERSAL MATE-N-LOK(TM)
PDF
English

CAD Files

Customer View Model
2D_DXF.ZIP
English

3D PDF
PDF
3D

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_1-770971-1_02262016925_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	10
	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**

Housing Features	UL Flammability Rating	**UL 94V-0**
	Housing Color	**White**
	Housing Material	**Nylon**

Dimensions	Width (mm)	**12.7**
	Height (mm)	**11.86**
	PCB Thickness (Recommended)	**1.57 mm [.062 in]**
	Length (mm)	**22.28**
	Insulation Diameter (Max) (mm)	**3.2**

Usage Conditions	Sealed Condition	**Not Sealed**

Operation/Application	Connector System	**Wire-to-Board**
	Applies To	**Printed Circuit Board**
	Operating Temperature	**-55 – 105 °C [-67 – 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

Relation Type ▼

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

10P MINI UMNL PLUG HSG - 794781-1
TE INTERNAL NUMBER: 794781-1

✔ Active

Always EU RoHS/ELV Compliant
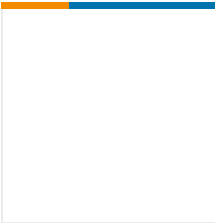
Product Type **Housing**

Housing Type **Plug**

Connector System **Wire-to-Wire**

Applies To **Wire/Cable**

Number of Positions **10**

PRODUCT - MATING PRODUCTS

Connectors - Rectangular Connector Seals
MATE-N-LOK | Mini-Universal MATE-N-LOK

10P MINI UMNL SEAL, DIE CUT - 1-794772-0
TE INTERNAL NUMBER: 1-794772-0

✔ Active

Always EU RoHS/ELV Compliant

Accessory Type **Interface Seal**

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

10P MINI UMNL2 PLUG HSG UL94V0 - 794196-1
TE INTERNAL NUMBER: 794196-1

✔ Active

Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Plug**

Connector System **Wire-to-Wire**

Applies To **Wire/Cable**

Number of Positions **10**

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

10P MINI UMNL PLUG HSG - 770580-1
TE INTERNAL NUMBER: 770580-1
ALIAS ID: 0-0770580-1

✔ Active

Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Plug**

Connector System **Wire-to-Wire**

Applies To **Wire/Cable**

Number of Positions **10**