

RECTANGULAR POWER CONNECTORS

















PRODUCT DRAWING



3D PDF



09P MINI UMNL ASSY VO SNAU LF

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

1-770182-1

TE Internal Number: 1-770182-1

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, 9 CKT, MINI UNIVERSAL MATE-N-LOK

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_QRG

PDF **English**

Product Specifications

Application Specification Mini-Universal MATE-N-LOK Connectors

PDF English

Product Environmental Compliance

TE Material Declaration

MD_1-770182-1_02262016928_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	9
	Centerline	4.14 mm [.163 in]
	PCB Mounting Orientation	Vertical
	Number of Rows	3
	Row-to-Row Spacing	4.14 mm [.163 in]
	Multiple Contact Types	Without
	Contact Layout	Matrix
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
	Contact Termination Area Plating Thickness	3.81 μm [150 μin]
Termination Features	Wire/Cable Size (AWG)	30 – 16
	Wire/Cable Size (mm²)	.05 – 1.308
	Wire/Cable Size (CMA)	100.5 – 2583
	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

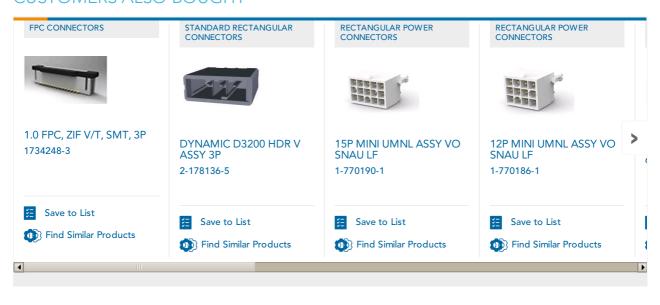
	Mating Retention Type Panel Mount Retention Strain Relief	Locking Tab Without Without
Housing Features	UL Flammability Rating	UL 94V-0
	Housing Color	White
	Housing Material	Nylon
	Boardlock Material	Nylon
Dimensions	Width (mm)	13.97
	Height (mm)	13.49
	PCB Thickness (Recommended)	1.57 mm [.062 in]
	Length (mm)	13.97
	Insulation Diameter (Max) (mm)	3.2
Usage Conditions	Sealed Condition	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	

Product Compliance

Statement of Compliance PDF

VIEW ALL PRODUCT COMPLIANCE

CUSTOMERS ALSO BOUGHT



View All **Products** - 2 Results Relation Type

RELATIONSHIP

Mating Products Used to identify Mating Parts

PRODUCT - MATING PRODUCTS

Connectors - Rectangular Power Connectors MATE-N-LOK | Mini-Universal MATE-N-LOK 9 CIR UNIV M-N-L PLUG - 172169-1 TE INTERNAL NUMBER: 172169-1

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Plug**

Connector System Wire-to-Wire

Applies To Wire/Cable

Number of Positions 9

RELATIONSHIP

Mating Products

Used to identify Mating Parts



MATE-N-LOK | Mini-Universal MATE-N-LOK 2 09P MINI UMNL2 PLUG HSG UL94V0 - 794194-1 TE INTERNAL NUMBER: 794194-1

Connectors - Rectangular Power Connectors

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Plug**

Connector System Wire-to-Wire

Applies To Wire/Cable

Number of Positions 9



See All Mating Products



See All Mating Products

