



CONNECTORS

RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

15P MINI-UMNL ASSY V0 SNNI*

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

1-770190-0

TE Internal Number: 1-770190-0

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, 15 CKT, MINI UNIVERSAL MATE-N-LOK](#)

PDF
English

CAD Files

[Customer View Model](#)

3D_IGS.ZIP
English

[Customer View Model](#)

3D_STP.ZIP
English

[Customer View Model](#)

2D_DXF.ZIP
English

[3D PDF](#)

PDF
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

Product Environmental Compliance

TE Material Declaration

[MD_1-770190-0_02262016929_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	15
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 (mm ²)	.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	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
		Boardlock Material	Nylon
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	Dimensions	Width (mm)	13.97
		Height (mm)	13.49
PCB Thickness (Recommended)		1.57 mm [.062 in]	
Length (mm)		22.28	
Insulation Diameter (Max) (mm)		3.2	
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Usage Conditions	Sealed Condition	Sealed	
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Operation/Application	Connector System	Wire-to-Board	
	Applies To	Printed Circuit Board	
	Operating Temperature	-55 – 105 °C [-67 – 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	

Packaging Features

Packaging Method

Bag

Packaging Quantity

200

Other

For Use With

Plug Housing

Product Compliance

[Statement of Compliance](#)

PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

