



# RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

## 3 P ACTION PIN UMNL

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

173925-1

TE Internal Number: 173925-1  
Alias ID: 1455099, 2-42939-6047

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) **15**

Active

PRODUCT DRAWING  
Japanese

3D PDF

### Product Drawings

[3POS, ACTION PIN U-M-N-L PIN HEADER ASSEMBLY](#)

PDF (TIFF AVAILABLE)  
Japanese

[3POS, ACTION PIN U-M-N-L PIN HEADER ASSEMBLY](#)

PDF (TIFF AVAILABLE)  
Japanese

### CAD Files

[Customer View Model](#)

2D\_DXF.ZIP  
English

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

[3D PDF](#)

PDF  
English

### Catalog Pages/Data Sheets

[SOFT\\_SHELL\\_PIN\\_SOCKET\\_CONNECTORS\\_STANDARD\\_DENSITY](#)

PDF  
English

### Product Specifications

Product Specification

[Action Pin Universal MATE-N-LOK Header Assembly](#)

TIF  
English

[Action Pin Universal MATE-N-LOK Header Assembly](#)

PDF  
English

[Circuit Board Headers, Universal MATE-N-LOK Printed, Qualification](#)

PDF  
English

[Circuit Board Headers, Universal MATE-N-LOK Printed, Qualification](#)

TIF  
English

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## Product Environmental Compliance

TE Material Declaration

[MD\\_173925-1\\_10232013523\\_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.





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Product Type Features	Product Type	<b>Header</b>
	Housing Type	<b>Plug</b>
	Contact Type	<b>Pin</b>
Configuration Features	Number of Positions	<b>3</b>
	Centerline	<b>6.35 mm [ .25 in ]</b>
	PCB Mounting Orientation	<b>Vertical</b>
	Number of Rows	<b>1</b>
	Row-to-Row Spacing (mm)	<b>2.54</b>
	Multiple Contact Types	<b>Without</b>
	Contact Layout	<b>Inline</b>
Electrical Characteristics	Contact Current Rating (A)	<b>15</b>
	Operating Voltage (VAC)	<b>500</b>
Contact Features	Contact Retention	<b>Without</b>
	Contact Termination Area Plating Material	<b>Tin</b>
	Contact Termination Area Plating Thickness	<b>.5 – 2.54 µm [ 20 – 100 µin ]</b>
Termination Features	Termination Method to Wire/Cable	<b>Solder</b>
	Termination Method to PC Board	<b>Through Hole - Solder</b>
	Termination Post/Tail Length	<b>5 mm [ .196 in ]</b>
Mechanical Attachment	Mating Alignment	<b>With</b>
	Mating Retention	<b>With</b>
	PCB Mount Retention	<b>Without</b>

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	PCB Mount Retention Type	<b>Through Hole</b>
	Mating Alignment Type	<b>Polarization</b>
	PCB Mount Alignment	<b>Without</b>
	Assembly Integration Feature	<b>Without</b>
	Mating Retention Type	<b>Positive Lock</b>
	Panel Mount Retention	<b>Without</b>
	Strain Relief	<b>Without</b>
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Housing Features	UL Flammability Rating	<b>UL 94V-0</b>
	Housing Color	<b>Black</b>
	Housing Material	<b>Thermoplastic</b>
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Dimensions	Width (mm)	<b>7.6</b>
	Height (mm)	<b>15.85</b>
	PCB Thickness (Recommended)	<b>1.6 – 3.2 mm [ .063 – .125 in ]</b>
	Length (mm)	<b>20.3</b>
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Usage Conditions	Sealed Condition	<b>Not Sealed</b>
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Operation/Application	Connector System	<b>Wire-to-Board</b>
	Applies To	<b>Printed Circuit Board</b>
	Operating Temperature	<b>-25 – 85 °C [ -13 – 185 °F ]</b>
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Industry Standards	Glow Wire Rating	<b>Standard Part - Not Glow Wire</b>
	VDE Tested	<b>Yes</b>
	CSA Rating	<b>Certified</b>
	Agency/Standard Number	<b>E28476</b>
	UL Rating	<b>Recognized</b>
	CSA File Number	<b>LR7189</b>
	Agency/Standard	<b>CSA, UL</b>
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Packaging Features	Packaging Method	<b>Box</b>
	Packaging Quantity	<b>165</b>
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Other	For Use With	<b>Mates with Plug Housing (Using Socket Contacts)</b>
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## CUSTOMERS ALSO BOUGHT

PCB CONNECTOR COVERS	WIRE-TO-BOARD HEADERS & RECEPTACLES	BLANK DIE-CUT LABELS	WIRE-TO-BOARD HEADERS & RECEPTACLES
			
04P MTA100 COVER 640550-4	AMP UNIVERSAL POWER PLG 2C PCB 3-176976-1	EET-2551P-9 EET-2551P-9	MINI CT D/R DIP 24P V NAT 2-292208-4
<a href="#">Save to List</a> <a href="#">Find Similar Products</a>	<a href="#">Save to List</a> <a href="#">Find Similar Products</a>	<a href="#">Save to List</a> <a href="#">Find Similar Products</a>	<a href="#">Save to List</a> <a href="#">Find Similar Products</a>

Products - 2 Results

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Relation Type ▼

RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

	PRODUCT - MATING PRODUCTS	<input checked="" type="checkbox"/>
	<p>Connectors - Rectangular Power Connectors MATE-N-LOK   Universal MATE-N-LOK</p> <p><b>03P UMNLII IN-LNE PLUG HSG KIT</b> - 770018-1</p> <p>TE INTERNAL NUMBER: 770018-1</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Product Type <b>Housing</b></p> <p>Housing Type <b>Plug</b></p> <p>Connector System <b>Wire-to-Wire</b></p> <p>Applies To <b>Wire/Cable</b></p> <p>Number of Positions <b>3</b></p>

RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

	PRODUCT - MATING PRODUCTS	<input checked="" type="checkbox"/>
	<p>Connectors - Rectangular Power Connectors MATE-N-LOK   Universal MATE-N-LOK</p> <p><b>03P UMNL PLUG HSG</b> - 350766-1</p> <p>TE INTERNAL NUMBER: 350766-1 ALIAS ID: 2-42939-5671, AMP-0-0350766-1, F98408-000</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Product Type <b>Housing</b></p> <p>Housing Type <b>Plug</b></p> <p>Connector System <b>Wire-to-Wire</b></p> <p>Applies To <b>Wire/Cable</b></p>

