



RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

12P UMNL PLUG HSG NATL

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

1-480708-0

TE Internal Number: 1-480708-0
Alias ID: CM3789-000, SIML-1-0480708-0

Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Plug**

Connector System **Wire-to-Wire**

Applies To **Wire/Cable**

Number of Positions **12**

Active

PRODUCT DRAWING
English

3D PDF

Product Drawings

[PLUG, 12 CIRCUIT, UNIVERSAL MATE-N-LOK](#)

PDF
English

CAD Files

[3D PDF](#)

PDF
English

[Customer View Model](#)

3D_IGS.ZIP
English

[Customer View Model](#)

3D_STP.ZIP
English

[Customer View Model](#)

2D_DXF.ZIP
English

Catalog Pages/Data Sheets

[SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY](#)

PDF
English

Product Specifications

Product Specification

[Universal MATE-N-LOK Connectors](#)

PDF
English

[Universal MATE-N-LOK Connector](#)

PDF
English

Application Specification

[Universal MATE-N-LOK Connectors](#)

PDF
English

Product Environmental Compliance

TE Material Declaration

[MD_1-480708-0_03312015135_dmtec](#)

PDF
English

Instruction Sheets

Instruction Sheet (U.S.)

Universal MATE-N-LOK Connectors

PDF
English

Universal, Commercial, And .140 MATE-N-LOK Contact And Housing Selection Charts

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	Housing
	Housing Type	Plug
	Contact Type	Pin or Socket
Configuration Features	Number of Positions	12
	Centerline	6.35 mm [.25 in]
	Number of Rows	3
	Row-to-Row Spacing	6.35 mm [.25 in]
	Multiple Contact Types	Without
	Contact Layout	Matrix
Electrical Characteristics	Operating Voltage (VAC)	600
Contact Features	Contact Retention	Without
Mechanical Attachment	Assembly Integration Feature	Without
Housing Features	UL Flammability Rating	UL 94V-2
	Housing Color	Natural
	Housing Material	Nylon GF
Dimensions	Width (mm)	20.32
	Height (mm)	27.43
	Length (mm)	26.67
Usage Conditions	Sealed Condition	Not Sealed
Operation/Application	Connector System	Wire-to-Wire

Applies To

Wire/Cable

Operating Temperature

-55 – 125 °C [-67 – 257 °F]

Industry Standards

Glow Wire Rating

Standard Part - Not Glow Wire

UL Rating

Recognized

CSA File Number

LR7189

Agency/Standard

CSA, UL

VDE Tested

Yes

CSA Rating

Certified

Agency/Standard Number

E28476

Packaging Features

Packaging Method

Package

Packaging Quantity

1

Other

For Use With





Appropriate Universal MATE-N-LOK Cap or Header

Product Compliance

[Statement of Compliance](#)
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

CUSTOMERS ALSO BOUGHT

<p>RECTANGULAR POWER CONNECTORS</p>  <p>12P UMNL CAP HSG NATL 1-480709-0</p> <p>Save to List Find Similar Products</p>	<p>POWER CONTACTS</p>  <p>UMNL SOK 20-14 .0126 PTPBR 350536-1</p> <p>Save to List Find Similar Products</p>	<p>RECTANGULAR POWER CONNECTORS</p>  <p>15P UMNL PLUG HSG NATL 1-480710-0</p> <p>Save to List Find Similar Products</p>	<p>RECTANGULAR POWER CONNECTORS</p>  <p>09P UMNL PLUG HSG NATL 1-480706-0</p> <p>Save to List Find Similar Products</p>
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Products - 158 Results

[View All](#)

[Compare 0/10](#)

Relation Type

RELATIONSHIP

Contacts

Identifies Contacts compatible with a given Housing

[See All Contacts](#)



PRODUCT - CONTACTS

Connectors - Power Contacts
MATE-N-LOK | Universal MATE-N-LOK
UMNL SPLIT PIN 24-18
PTPBR L/P - 350706-1
TE INTERNAL NUMBER: 350706-1
ALIAS ID: CM3788-000, SIML-0-0350706-1

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Contact**

Contact Current Rating **19 A**

Operating Voltage **600 VAC**

Wire/Cable Size **24 – 18 AWG**

Wire/Cable Size **.2 – .8 mm²**



RELATIONSHIP

Contacts

Identifies Contacts compatible with a given Housing

[See All Contacts](#)



PRODUCT - CONTACTS

Connectors - Power Contacts
MATE-N-LOK | Universal MATE-N-LOK
UMNL SOK 18-14
PTPPHBZ - 350919-3
TE INTERNAL NUMBER: 350919-3
ALIAS ID: 4-16211-9782

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Contact**

Contact Current Rating **19 A**

Operating Voltage **600 VAC**

Wire/Cable Size **18 – 14 AWG**

Wire/Cable Size **.8 – 2 mm²**

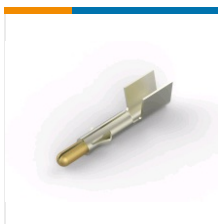


RELATIONSHIP

Contacts

Identifies Contacts compatible with a given Housing

[See All Contacts](#)



PRODUCT - CONTACTS

Connectors - Power Contacts
MATE-N-LOK | Universal MATE-N-LOK
PIN, MATE-N-LOK,
UMNL - 350922-6
TE INTERNAL NUMBER: 350922-6
ALIAS ID: 403927767

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Contact**

Contact Current Rating **19 A**

Operating Voltage **600 VAC**

Operating Voltage **600 VDC**

Wire/Cable Size **12 – 10 AWG**

