



# RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

## 10P CMNL HDR ASSY NATL LF

MATE-N-LOK | Commercial MATE-N-LOK

2-1586544-0

TE Internal Number: 2-1586544-0

Always EU RoHS/ELV Compliant

Product Type **Header**

Connector System **Wire-to-Board**

Applies To **Printed Circuit Board**

Contact Current Rating (A) **19**

Number of Positions **10**

Active

PRODUCT DRAWING  
English

3D PDF

### Product Drawings

10 CIRCUIT COMMERCIAL MATE-N-LOK (TM) HEADER

PDF (TIFF AVAILABLE)  
English

10 CIRCUIT COMMERCIAL MATE-N-LOK (TM) HEADER

PDF (TIFF AVAILABLE)  
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

### Product Specifications

Application Specification

MATE-N-LOK Commercial Pin And Socket Contacts

PDF  
Japanese

MATE-N-LOK Commercial Pin And Socket Contacts

TIF  
Japanese

Commercial MATE-N-LOK Pin And Socket Contacts

PDF  
English

### Product Environmental Compliance

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
	Contact Type	Pin
Configuration Features	Number of Positions	<b>10</b>
	Centerline	<b>4.95 mm [ .195 in ]</b>
	PCB Mounting Orientation	<b>Vertical</b>
	Number of Rows	<b>2</b>
	Row-to-Row Spacing	<b>9.14 mm [ .36 in ]</b>
Electrical Characteristics	Contact Current Rating (A)	<b>19</b>
	Operating Voltage (VAC)	<b>250</b>
Termination Features	Wire/Cable Size (AWG)	<b>30 – 14</b>
	Termination Method to PC Board	<b>Through Hole</b>
	Termination Post/Tail Length	<b>3.81 mm [ .149 in ]</b>
Mechanical Attachment	Mating Alignment	<b>With</b>
	Mating Retention	<b>With</b>
	Mating Retention Type	<b>Positive Lock</b>
	Mating Alignment Type	<b>Polarization</b>
Housing Features	UL Flammability Rating	<b>UL 94V-2</b>
	Housing Color	<b>Natural</b>
	Housing Material	<b>Nylon</b>
Dimensions	Insulation Diameter (Max)	<b>3.3 mm [ .13 in ]</b>
	PCB Thickness (Recommended)	<b>1.57 mm [ .062 in ]</b>
Usage Conditions	Sealed Condition	<b>Not Sealed</b>
Operation/Application	Connector System	<b>Wire-to-Board</b>

Applies To

Printed Circuit Board

Operating Temperature

-55 – 105 °C [ -67 – 221 °F ]

Industry Standards

UL Rating

Certified, Recognized

CSA File Number

LR16455

Agency/Standard

CSA, UL

VDE Tested

No

Agency/Standard Number

E28476

Packaging Features

Packaging Method

Bag

Packaging Quantity

100

Other

For Use With

Socket (Plug) Housing

Product Compliance

[Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

Products - 1 Results

[View All](#)

[Compare 0/10](#) 

Relation Type 

RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Rectangular Power Connectors  
MATE-N-LOK | Commercial MATE-N-LOK

**10P CMNL PLUG HSG**  
**M/M NATL - 1-480285-0**

TE INTERNAL NUMBER: 1-480285-0

 Active

Always EU RoHS/ELV Compliant

