



# RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

## 04P CMNL IDC PLUG 16 AWG BLU V

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

770156-5

TE Internal Number: 770156-5

Always EU RoHS/ELV Compliant

Product Type **Connector Assembly**

Connector System **Wire-to-Wire**

Applies To **Wire/Cable**

Contact Current Rating (A) **13**

Number of Positions **4**

Active

PRODUCT DRAWING  
English

3D PDF

### Product Drawings

[PLUG ASSEMBLY, INSULATION DISPLACEMENT, COMMERCIAL MATE-N-LOK\(TM\)](#)

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\\_SOCKET\\_CONNECTORS\\_STANDARD\\_DENSITY](#)

PDF  
English

### Product Specifications

Product Specification

[Connector, IDC Commercial MATE-N-LOK](#)

PDF  
English

Qualification Test Report

[Connector, IDC Commercial MATE-N-LOK\\*](#)

PDF  
English

[Connector, IDC Commercial MATE-N-LOK\\*](#)

TIF  
English

### Product Environmental Compliance

TE Material Declaration

[MD\\_770156-5\\_12162013359\\_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>Connector Assembly</b>
	Contact Type	<b>Socket</b>

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Configuration Features	Number of Positions	<b>4</b>
	Centerline	<b>5.08 mm [ .2 in ]</b>
	Number of Rows	<b>1</b>
	Multiple Contact Types	<b>Without</b>
	Contact Layout	<b>Inline</b>

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Electrical Characteristics	Contact Current Rating (A)	<b>13</b>
	Operating Voltage (VAC)	<b>250</b>

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Contact Features	Contact Retention	<b>With</b>
	Contact Retention Type	<b>Locking Lance</b>

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Termination Features	Wire/Cable Size (AWG)	<b>16</b>
	Wire/Cable Size (mm <sup>2</sup> )	<b>1.25</b>
	Termination Method to Wire/Cable	<b>Insulation Displacement Crimp (IDC)</b>
	Wire Type	<b>Stranded</b>

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Mechanical Attachment	Mating Alignment	<b>With</b>
	Mating Retention	<b>With</b>
	Mating Retention Type	<b>Detent Lock</b>
	Mating Alignment Type	<b>Polarization</b>
	Strain Relief	<b>Without</b>

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Housing Features	UL Flammability Rating	<b>UL 94V-2</b>
	Housing Color	<b>Blue</b>
	Housing Material	<b>Nylon GF</b>





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Dimensions	Accepts Wire Insulation Diameter Range	<b>2.41 mm [ .095 in ]</b>
	Width (mm)	<b>6.225</b>
	Height (mm)	<b>20.93</b>

	Length (mm)	<b>20.93</b>
Usage Conditions	Sealed Condition	<b>Not Sealed</b>
Operation/Application	Connector System	<b>Wire-to-Wire</b>
	Applies To	<b>Wire/Cable</b>
	Operating Temperature	<b>-55 – 105 °C [ -67 – 221 °F ]</b>
Industry Standards	UL Rating	<b>Certified, Recognized</b>
	CSA File Number	<b>LR16455</b>
	Agency/Standard	<b>CSA, UL</b>
	VDE Tested	<b>Yes</b>
	Agency/Standard Number	<b>E28476</b>
Packaging Features	Packaging Method	<b>Bag</b>
	Packaging Quantity	<b>1000</b>
Other	For Use With	<b>Header, Pin (Cap) Housing</b>

Product Compliance [Statement of Compliance PDF](#)  
[VIEW ALL PRODUCT COMPLIANCE](#)

## CUSTOMERS ALSO BOUGHT

<p><b>RECTANGULAR POWER CONNECTORS</b></p>  <p><b>24P RCPT VAL-U-LOK V0</b> 2-1586019-4</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p><b>BOARD-TO-BOARD HEADERS &amp; RECEPTACLES</b></p>  <p><b>INSERT MBXL 2 SIGNAL LOCK 4POS</b> 1600902-1</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p><b>RECTANGULAR CAPS &amp; COVERS</b></p>  <p><b>CMNL IDC COVER</b> 770232-1</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p><b>RECTANGULAR POWER CONNECTORS</b></p>  <p><b>8P RCPT VAL-U-LOK V0</b> 1586019-8</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>
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Relation Type ▼

RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

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

**4P C-MNL PIN HDR R/A  
- 174552-1**

TE INTERNAL NUMBER: 174552-1

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Header**

Connector System **Wire-to-Board**

Applies To **Printed Circuit Board**

Contact Current Rating **10 A**

Number of Positions **4**



RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

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

**M-N-L PIN HDR W/FIX  
BELT H 4P - 174804-1**

TE INTERNAL NUMBER: 174804-1

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Header**

Connector System **Wire-to-Board**

Applies To **Printed Circuit Board**

Contact Current Rating **10 A**

Number of Positions **4**



RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

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

**04P CMNL CAP HSG F/H  
NATL - 1-480426-0**

TE INTERNAL NUMBER: 1-480426-0  
ALIAS ID: 1-0480426-0

✓ Active

Always EU RoHS/ELV Compliant

