

770846-1 ✓ ACTIVE

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

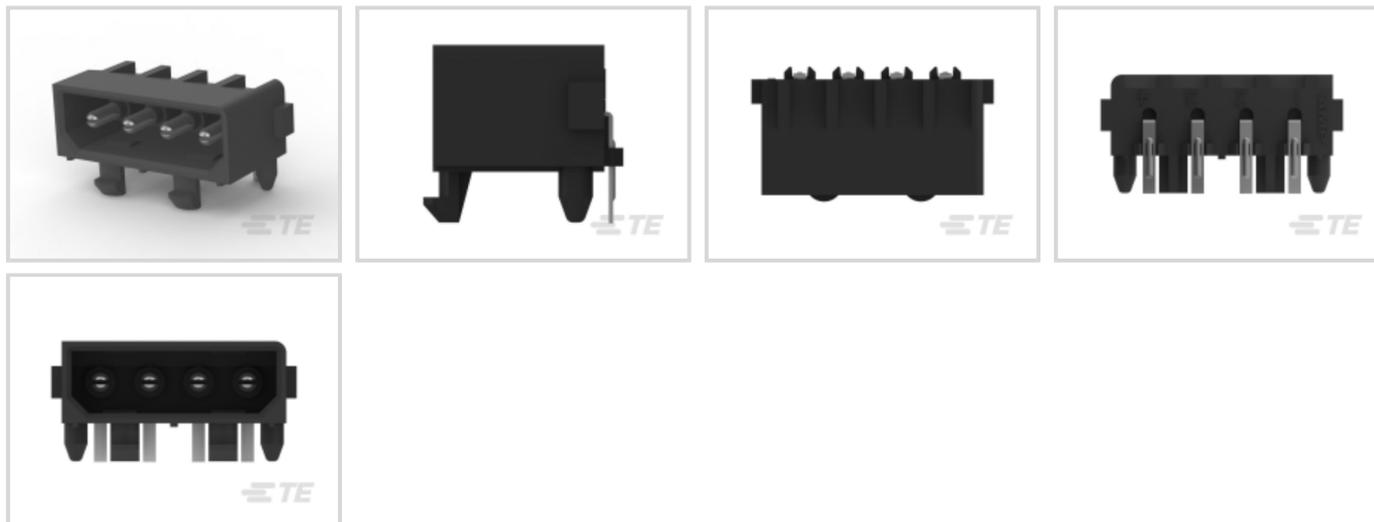
TE Internal #: 770846-1

Rectangular Power Connectors, Header, Receptacle, Wire-to-Board, 4 Position, 5.08 mm [.2 in] Centerline, Printed Circuit Board, Commercial MATE-N-LOK

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

Connector System: **Wire-to-Board**

Number of Positions: **4**

Centerline (Pitch): **5.08 mm [.2 in]**

## Features

### Product Type Features

Header Type	Fully Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Number of Positions	4
PCB Mount Orientation	Right Angle
Number of Power Positions	4
Number of Rows	1

### Electrical Characteristics

Operating Voltage	250 VAC
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### Contact Features



Contact Layout	Inline
Multiple Contact Types	Without
Contact Current Rating (Max)	12 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Pre-Tin
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	3.81 – 5.08 $\mu\text{m}$ [150 – 200 $\mu\text{in}$ ]

### Termination Features

Termination Post & Tail Length	5.47 mm[.215 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

### Mechanical Attachment

PCB Mount Alignment Type	Locating Posts
Strain Relief	Without
Mating Alignment Type	Polarization
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Connector Mounting Type	Board Mount
Mating Retention	With
Mating Retention Type	Detent Lock

### Housing Features

Centerline (Pitch)	5.08 mm[.2 in]
Housing Color	Black
Housing Material	Nylon

### Dimensions

Width	8.76 mm
Height	12.29 mm
Length	23.27 mm

### Usage Conditions

Operating Temperature Range	-55 – 105 $^{\circ}\text{C}$ [-67 – 221 $^{\circ}\text{F}$ ]
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### Operation/Application

Circuit Application	Power
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### Industry Standards

UL Flammability Rating	UL 94V-2
Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard Number	E28476
Agency/Standard	CSA, UL
UL Rating	Certified, Recognized
CSA File Number	LR16455
VDE Tested	No

### Packaging Features

Packaging Method	Box
Packaging Quantity	200

### Other

For Use With	Socket (Plug) Housing
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

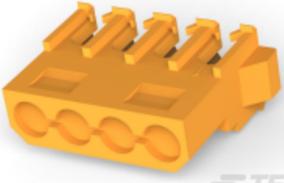
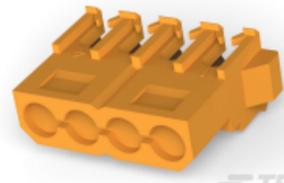
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°C

#### Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part

numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

## Compatible Parts

 <p>TE Part # 794036-1 4P CMNL IDC PLUG 18AWG ORG V0</p>	 <p>TE Part # 794036-4 4P CMNL IDC PLUG 16AWG BLU V0</p>	 <p>TE Part # 770156-3 4P CMNL IDC PLUG 18AWG ORG V2</p>	 <p>TE Part # 1-480424-0 04P CMNL PLUG HSG F/H NATL</p>
 <p>TE Part # 1-480424-9 04P CMNL PLUG HSG F/H BLK</p>	 <p>TE Part # 174520-1 4P CMNL PIN HDR ASSY V</p>	 <p>TE Part # 770149-1 04P CMNL PIN HDR ASSY R/A</p>	 <p>TE Part # 794036-3 4P CMNL IDC PLUG 22AWG RED V0</p>
 <p>TE Part # 770156-5 04P CMNL IDC PLUG 16 AWG BLU V</p>	 <p>TE Part # 827001-2 4P MNL STIFTSOCKEL</p>	 <p>TE Part # 770156-2 4P CMNL IDC PLUG 22AWG RED V2</p>	 <p>TE Part # 770156-4 4P CMNL IDC PLUG 20AWG YEL V2</p>
 <p>TE Part # 794036-2 4P CMNL IDC PLUG 20AWG YEL V0</p>	 <p>TE Part # 1586542-1 04P CMNL SOK HDR ASSY LF</p>	 <p>TE Part # 794120-2 02P CMNL PC HDR ASSY RA V0</p>	 <p>TE Part # 794697-1 04P CMNL HDR ASSY R/A PC NATL</p>

Also in the Series | **Commercial MATE-N-LOK**



Connector Contacts(26)



Crimp Wire Pins, Tabs &amp; Ferrules(3)



Insertion &amp; Extraction Tools(5)



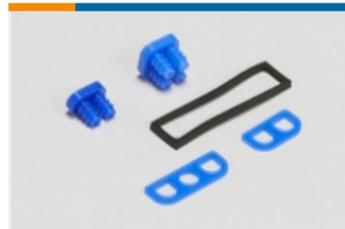
Power Contacts(129)



Rectangular Caps &amp; Covers(2)



Rectangular Connector Housings(17)



Rectangular Connector Seals(1)



Rectangular Power Connectors(170)



Standard Circular Connectors(4)



Standard Rectangular Connectors(10)



Wire-to-Board Connector Contacts(1)

## Documents

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_770846-1\\_G.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_770846-1\\_G.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_770846-1\\_G.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_770846-1\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_770846-1\\_B.3d\\_stp.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_770846-1\\_B.2d\\_dxf.zip](#)

English

**3D PDF**

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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**Datasheets & Catalog Pages**

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

English

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**Product Specifications**

[Application Specification](#)

English

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**Product Environmental Compliance**

[TE Material Declaration](#)

English