770156-2 ✓ ACTIVE

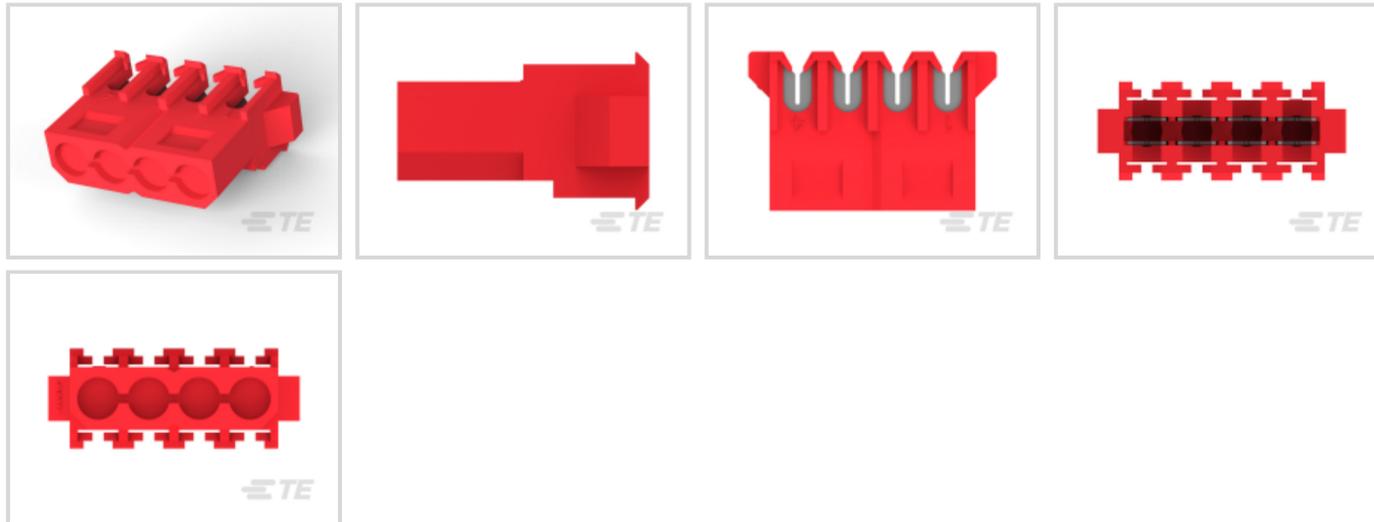## MATE-N-LOK | Commercial MATE-N-LOK

TE Internal #: 770156-2

Standard Rectangular Connectors, Connector Assembly, Receptacle, Mating Alignment, Polarization Mating Alignment Type, Commercial MATE-N-LOK

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors

Connector Product Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Mating Retention: **With**

Features

Product Type Features

Wire/Cable Type	Stranded
Strain Relief	Without
Connector Type	Connector Assembly
Connector Product Type	Connector Assembly
Connector & Housing Type	Receptacle
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	4
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC

Contact Features

770156-2

Standard Rectangular Connectors, Connector Assembly, Receptacle, Mating Alignment, Polarization Mating Alignment Type, Commercial MATE-N-LOK

Contact Layout	Inline
Contact Type	Socket
Multiple Contact Types	Without
Wire Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Retention Within Housing	With
Contact Current Rating (Max)	13 A

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)

Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
Mating Alignment	With
Mating Alignment Type	Polarization
Mating Retention	With
Mating Retention Type	Detent Lock
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

Length	20.93 mm
Height	16.33 mm
Width	6.23 mm
Accepts Wire Insulation Diameter Range	2.41 mm[.095 in]
Wire Size	.3 mm²

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

For Use With	Header, Pin (Cap) Housing
Shielded	No
Circuit Application	Power

770156-2

Standard Rectangular Connectors, Connector Assembly, Receptacle, Mating
Alignment, Polarization Mating Alignment Type, Commercial MATE-N-LOK

Industry Standards

CSA Rating	LR 16455
Agency/Standard	CSA, UL, VDE
UL Rating	Certified, Recognized
VDE Tested	Yes
CSA File Number	LR16455
UL File Number	E28476
UL Flammability Rating	UL 94V-2

Packaging Features

Packaging Quantity	1000
Packaging Method	Bag

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	Not applicable for solder process capability

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

770156-2

Standard Rectangular Connectors, Connector Assembly, Receptacle, Mating
Alignment, Polarization Mating Alignment Type, Commercial MATE-N-LOK
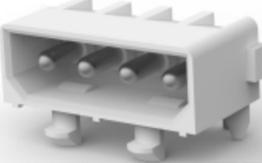
Compatible Parts

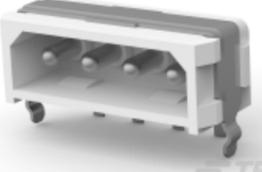TE Part # 58074-1
MTA 50/100/156 MANUAL TOOL
FRAME

TE Part # 770846-1
04P CMNL HDR ASSY R/A BLK HT

TE Part # 1-641737-1
04P CMNL HDR ASSY R/A V0

TE Part # 1-480426-0
04P CMNL CAP HSG F/H NATL

TE Part # 174804-1
M-N-L PIN HDR W/FIX BELT H 4P
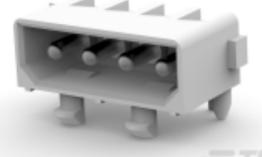
TE Part # 770827-1
04P CMNL PLUG HSG 94-VO

TE Part # 174552-1
4P C-MNL PIN HDR R/A

TE Part # 350211-1
04P CMNL HDR ASSY PC

TE Part # 770829-1
04P CMNL HDR R/A BLK HT T/L
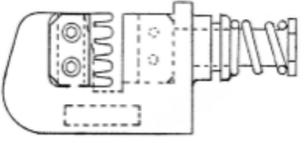
TE Part # 641737-1
04P CMNL HDR ASSY R/A PC NATL

TE Part # 350424-1
04P CMNL HDR ASSY PC NATL

TE Part # 770232-1
CMNL IDC COVER

TE Part # 770233-1
CMNL IDC COVER

TE Part # 231894-1
HEAD (IDC) M-N-L W/O TL

Also in the Series | Commercial MATE-N-LOK

Connector Contacts(26)

Crimp Wire Pins, Tabs & Ferrules(3)
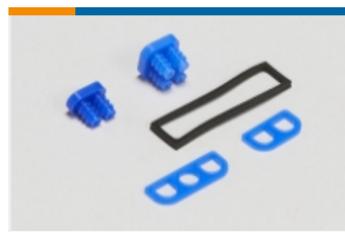
Insertion & Extraction Tools(5)

Power Contacts(129)

Standard Rectangular Connectors, Connector Assembly, Receptacle, Mating
Alignment, Polarization Mating Alignment Type, Commercial MATE-N-LOK

Rectangular Caps & 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

English

Customer View Model

ENG_CVM_770156-2_F.3d_igs.zip

English

Customer View Model

ENG_CVM_770156-2_F.3d_stp.zip

English

Customer View Model

ENG_CVM_770156-2_F.2d_dxf.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages
SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY

English

Product Specifications
Application Specification

Japanese

MATE-N-LOK Commercial IDC (Insulation Displacement Connectors)

Japanese

Application Specification

English

MATE-N-LOK Commercial IDC (Insulation Displacement Connectors)

770156-2

Standard Rectangular Connectors, Connector Assembly, Receptacle, Mating
Alignment, Polarization Mating Alignment Type, Commercial MATE-N-LOK

English

Agency Approvals

Agency Approval Document

English