174552-1 ✓ ACTIVE

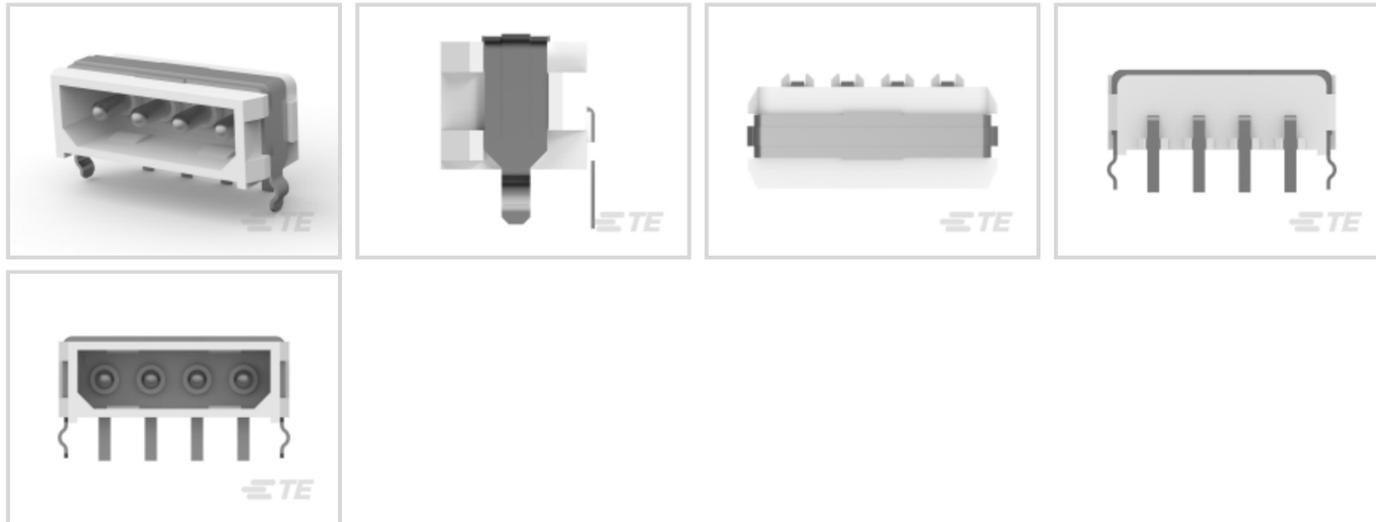## MATE-N-LOK | Commercial MATE-N-LOK

TE Internal #: 174552-1

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

View on TE.com >

TE connectivity

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

Contact Features

174552-1

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Contact Layout	Inline
Contact Current Rating (Max)	10 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin

Termination Features

Termination Post & Tail Length	4.1 mm[.161 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Alignment	With
PCB Mount Retention	With
PCB Mount Retention Type	Fixed Belt
Connector Mounting Type	Board Mount
Mating Retention	With
Mating Retention Type	Detent Lock

Housing Features

Centerline (Pitch)	5.08 mm[.2 in]
Housing Color	Natural
Housing Material	Nylon 66

Dimensions

Width	11.5 mm
PCB Thickness (Recommended)	.06 mm[1.6 in]
Height	10.75 mm
Length	25.3 mm

Usage Conditions

Operating Temperature Range	-20 – 105 °C[-4 – 221 °F]

Operation/Application

Circuit Application	Power

Industry Standards

UL Flammability Rating	UL 94V-2

174552-1

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Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard Number	E28476
Agency/Standard	CSA, UL
UL Rating	Certified, Recognized
CSA File Number	LR7189A
VDE Tested	No

Packaging Features

Packaging Method	Bag
Packaging Quantity	200

Other

For Use With	Socket (Plug) Housing

Product Compliance

For compliance documentation, visit the product page on TE.com>

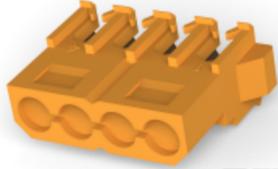|	
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does 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

174552-1

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Compatible Parts

TE Part # 794287-1
04P CMNL HDR ASSY BLK HT

TE Part # 770156-3
4P CMNL IDC PLUG 18AWG ORG V2

TE Part # 1-480424-0
04P CMNL PLUG HSG F/H NATL

TE Part # 770997-1
04P CMNL SOK HDR ASSY

TE Part # 1-480424-9
04P CMNL PLUG HSG F/H BLK

TE Part # 770156-5
04P CMNL IDC PLUG 16 AWG BLU V

TE Part # 172349-1
4P C-M-N-L HEADER ASSY H

TE Part # 770156-2
4P CMNL IDC PLUG 22AWG RED V2

TE Part # 770156-4
4P CMNL IDC PLUG 20AWG YEL V2

Also in the Series | Commercial MATE-N-LOK

Connector Contacts(26)

Crimp Wire Pins, Tabs & Ferrules(3)

Insertion & Extraction Tools(5)

Power Contacts(129)

Rectangular Caps & Covers(2)

Rectangular Connector Housings(17)

Rectangular Connector Seals(1)

Rectangular Power Connectors(170)

174552-1

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

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_174552-1_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_174552-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_174552-1_C.3d_stp.zip

English

3D PDF

English

Customer View Model

ENG_CVM_174552-1_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_174552-1_E.3d_igs.zip

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Customer View Model

ENG_CVM_174552-1_E.3d_stp.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

Product Specification

English

AMP Commercial MATE-N-LOK* Pin Header Assembly

English

174552-1

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Product Environmental Compliance

MD_174552-1_041620182336_dmtec

English

MD_174552-1_041620182336_dmtec

English

Agency Approvals

Agency Approval Document

English