

350423-1 ✓ ACTIVE

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

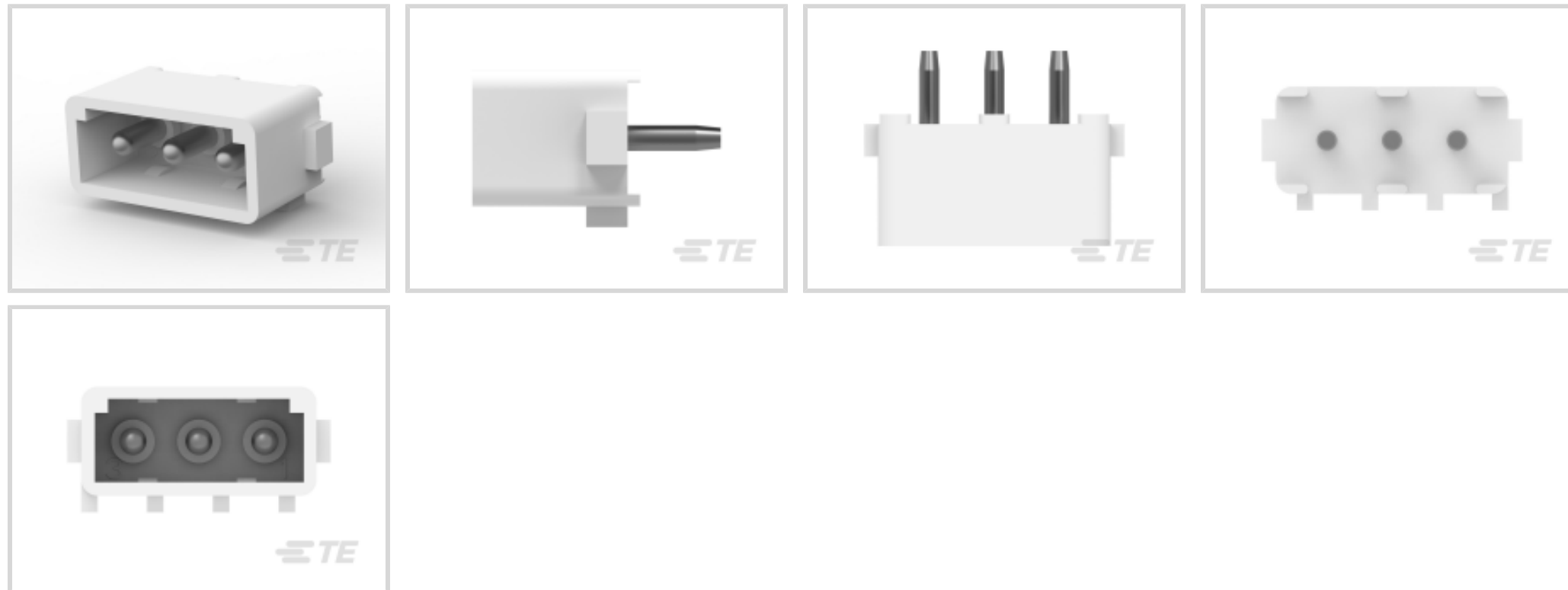
TE Internal #: 350423-1

PCB Mount Header, Vertical, Wire-to-Board, 3 Position, 5.08 mm [.2 in] Centerline, Fully Shrouded, Pre-Tin, Commercial MATE-N-LOK

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Columns	3
Number of Loaded Positions	3
Number of Power Positions	3



Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
-------------------	---------

Body Features

Primary Product Color	Natural
-----------------------	---------

Contact Features

Contact Underplating Material	Nickel
Mating Pin Diameter	2.1 mm[.083 in]
Contact Underplating Material Thickness	1.27 – 1.79 μm [50 – 70 μin]
Contact Size	2.1mm
Contact Mating Area Plating Material Thickness	3.81 – 5.08 μm [150 – 200 μin]
Contact Shape & Form	Round
PCB Contact Termination Area Plating Material Thickness	3.81 – 5.08 μm [150 – 200 μin]
Contact Layout	Inline
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Pre-Tin
Contact Mating Area Plating Material	Pre-Tin
Contact Type	Pin
Contact Current Rating (Max)	12 A

Termination Features

Termination Post & Tail Diameter	1.6 mm[.063 in]
Termination Post & Tail Length	4.95 mm[.195 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Detent Lock
Mating Retention	With
Mating Alignment Type	Polarization
PCB Mount Retention	Without



PCB Mount Alignment	Without
---------------------	---------

Connector Mounting Type	Board Mount
-------------------------	-------------

Mating Alignment	With
------------------	------

Housing Features

Mating Entry Location	Top
-----------------------	-----

Housing Material	Nylon
------------------	-------

Centerline (Pitch)	5.08 mm [.2 in]
--------------------	-----------------

Dimensions

Connector Width	8.38 mm [.33 in]
-----------------	------------------

PCB Thickness (Recommended)	3.18 mm [.125 in]
-----------------------------	-------------------

Connector Height	9.52 mm [.375 in]
------------------	-------------------

Profile Height from PCB	10.28 mm [.405 in]
-------------------------	--------------------

Connector Length	18.16 mm [.715 in]
------------------	--------------------

Usage Conditions

Operating Temperature (Max)	105 °C [221 °F]
-----------------------------	-----------------

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

Operation/Application

Circuit Application	Power
---------------------	-------

Industry Standards

Compatible With Agency/Standards Products	UL, VDE, CSA
---	--------------

UL Rating	Recognized, Certified
-----------	-----------------------

Compatible With Approved Standards Products	UL E28476
---	-----------

Glow Wire Rating	Standard Part - Not Glow Wire
------------------	-------------------------------

UL Flammability Rating	UL 94V-2
------------------------	----------

Packaging Features

Packaging Quantity	4000
--------------------	------

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

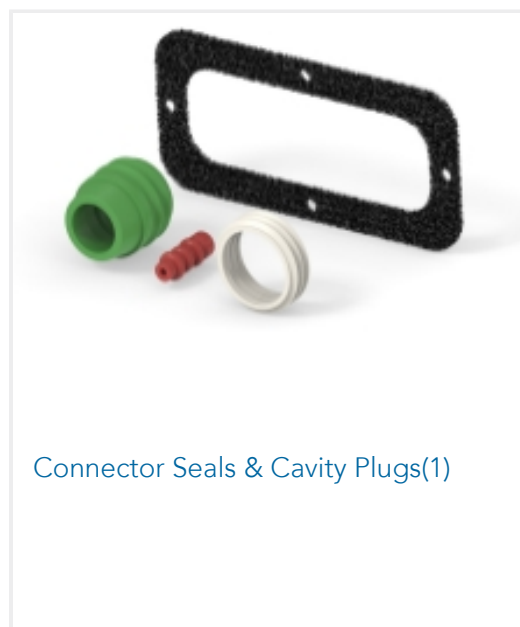
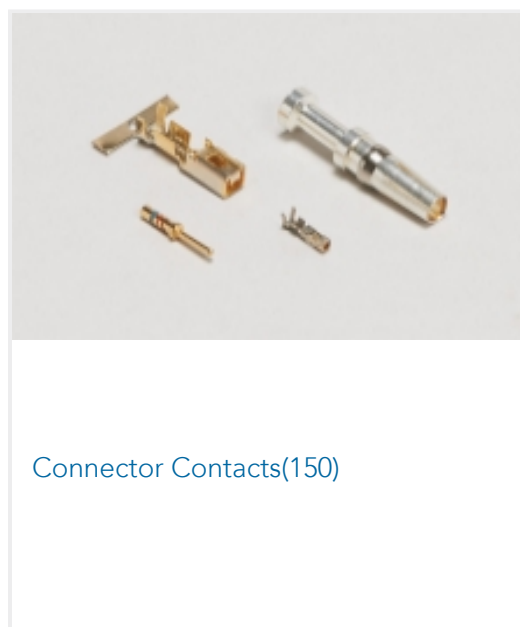
Product Compliance Disclaimer

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

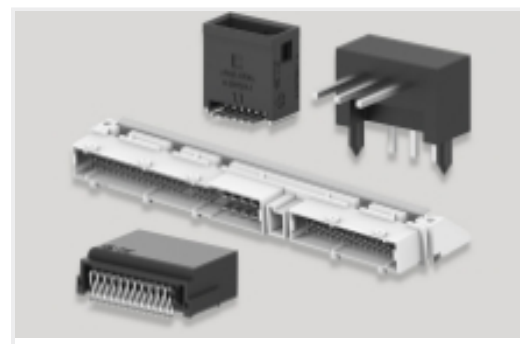


Also in the Series | Commercial MATE-N-LOK

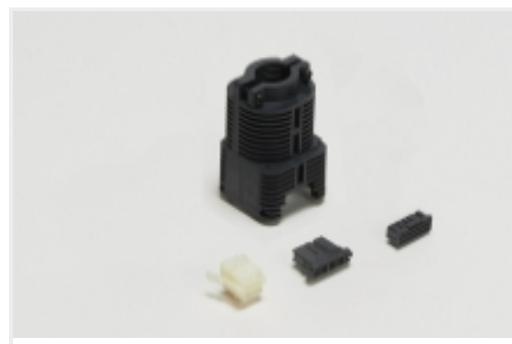




Insertion & Extraction Tools(3)



PCB Headers & Receptacles(56)



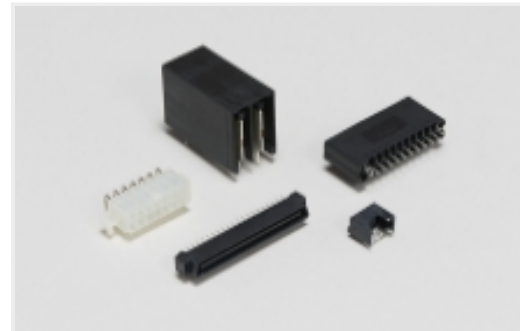
Rectangular Connector Housings(9)



Rectangular Power Connectors(115)



Standard Circular Connectors(2)



Standard Rectangular Connectors(2)

Customers Also Bought



TE Part #5786555-5
50 50SR VRT RCPT, FL TOP, ACT PN



TE Part #1-480303-0
03P CMNL PLUG HSG F/H NATL



TE Part #504778-E
MCBA 2 F * 035 137 * 197 1,27 TRAY VR2 J



TE Part #3-1106204-5
HIP/EMV.24/64.SKB



TE Part #1106461-8
EMVK.24/64.STS1M32G



TE Part #3-1102760-5
EMV.24/64.AG



TE Part #1106461-7
EMVK24STO1M25+1M32G

Documents

Product Drawings

[03P CMNL HDR ASSY PC NATL](#)

English

CAD Files

Customer View Model

[ENG_CVM_350423-1_N.3d_igs.zip](#)

English

Customer View Model



[ENG_CVM_350423-1_N.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_350423-1_N.2d_dxf.zip](#)

English

3D PDF

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_350423-1_U.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_350423-1_U.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_350423-1_U.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

[Application Specification](#)

English