770149-1 ✔ ACTIVE

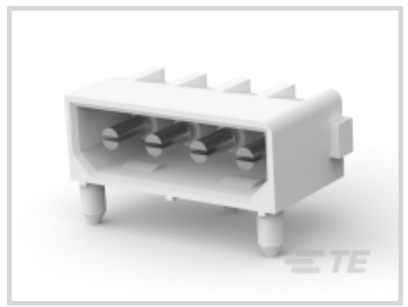
MATE-N-LOK | Commercial MATE-N-LOK

TE Internal #: 770149-1

PCB Mount Header, Right Angle, Wire-to-Board, 4 Position, 5.08 mm [.2 in] Centerline, Fully Shrouded, Pre-Tin, Surface Mount, Commercial MATE-N-LOK

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **4**

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

Features

Product Type Features

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

Configuration Features

Number of Columns	4
Number of Loaded Positions	4
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle
Number of Positions	4

Number of Rows	1
Number of Power Positions	4

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Primary Product Color	Natural

Contact Features

Mating Pin Diameter	2.18 mm[.086 in]
Contact Size	2.18mm
PCB Contact Termination Area Plating Material Thickness	2.54 – 3.81 µm[100 – 150 µin]
Contact Shape & Form	Round
Contact Layout	Inline
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Pre-Tin
Contact Mating Area Plating Material Thickness	2.54 – 3.81 µm[100 – 150 µin]
Contact Type	Pin
Contact Current Rating (Max)	12 A
PCB Contact Termination Area Plating Material	Pre-Tin

Termination Features

Termination Post & Tail Length	3.05 mm[.12 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Detent Lock
Mating Alignment Type	Polarization
PCB Mount Alignment Type	Locating Posts
PCB Mount Alignment	With
Mating Retention	With
PCB Mount Retention	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Mating Entry Location	Side
Centerline (Pitch)	5.08 mm[.2 in]
Housing Material	Nylon

Dimensions

Connector Width	12.29 mm[.484 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	8.76 mm[.345 in]
Connector Length	25.4 mm[1 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	CSA, UL
UL Rating	Certified, Recognized
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	20
Packaging Method	Tube

Product Compliance

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

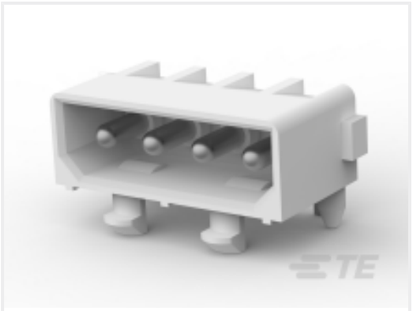
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC

Halogen Content	Low Halogen - Br, Cl, F < 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



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



TE Part # 1586627-1
04P CMNL HDR VRT W/DH LF



TE Part # 643488-1
03P CMNL HDR ASSY R/A



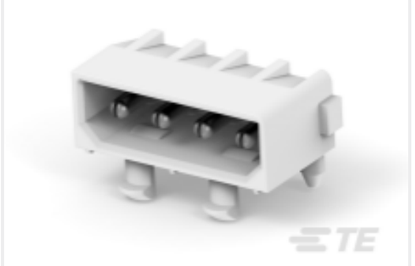
TE Part # 770846-1
04P CMNL HDR ASSY R/A BLK HT

TE Part # 350209-1
02P CMNL HDR ASSY PC NATL

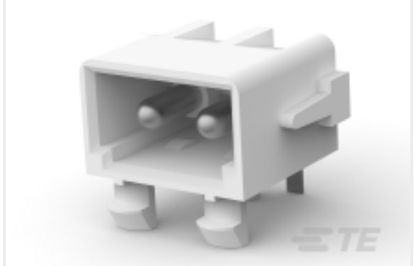
TE Part # 770829-1
04P CMNL HDR R/A BLK HT T/L

TE Part # 174520-1
4P CMNL PIN HDR ASSY V

TE Part # 827001-2
4P MNL STIFTSOCKEL



TE Part # 794697-1
04P CMNL HDR ASSY R/A PC NATL



TE Part # 794120-1
02P CMNL PC HDR ASSY RA

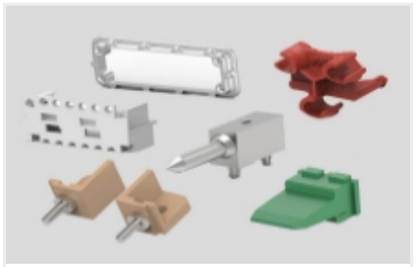


TE Part # 794236-1
04P CMNL HDR ASSY V0

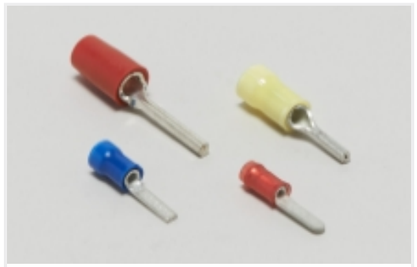
Also in the Series | Commercial MATE-N-LOK



Connector Contacts(150)



Connector Hardware(1)



Crimp Wire Pins, Tabs & Ferrules(2)



Power Contacts(146)



Rectangular Connector Housings(118)



Rectangular Power Connectors(181)



Standard Circular Connectors(2)

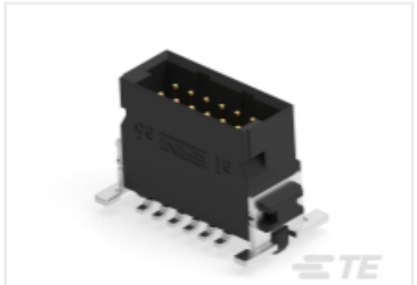
Customers Also Bought



TE Part #0915756003
LSTT-R-9.5-0



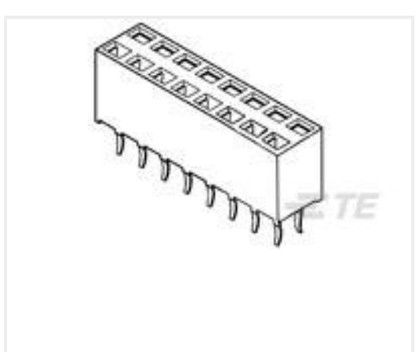
TE Part #154763-E
SMCB 12 M AB VV 7-03 CL * 0007 137 E004



TE Part #244854-E
SMCQ 12 M AB VV 8-03 CL * H007 137 E005



TE Part #806604-000
222A132-25-0



TE Part #1-215307-3
2X13P HV100 REC CON. TE, 7.0MM



TE Part #826629-2
2P AMPMODU II



TE Part #826926-3
3P AMPMODU II PIN HDR.



TE Part #6-1437719-0
T01-0560-S05-FEMALE REC PANEL-PCB MNT RA



TE Part #1-1462038-6
IM06NS=IM RELAY 140mW 12V



TE Part #1-1879502-0
CRGH2512 5% 33K 2W

Documents

Product Drawings

04P CMNL PIN HDR ASSY R/A

English

CAD Files

Customer View Model

ENG_CVM_770149-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_770149-1_C.3d_stp.zip

English

Customer View Model

ENG_CVM_770149-1_C.2d_dxf.zip

English

3D PDF

English

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Product Specifications

Application Specification

English