

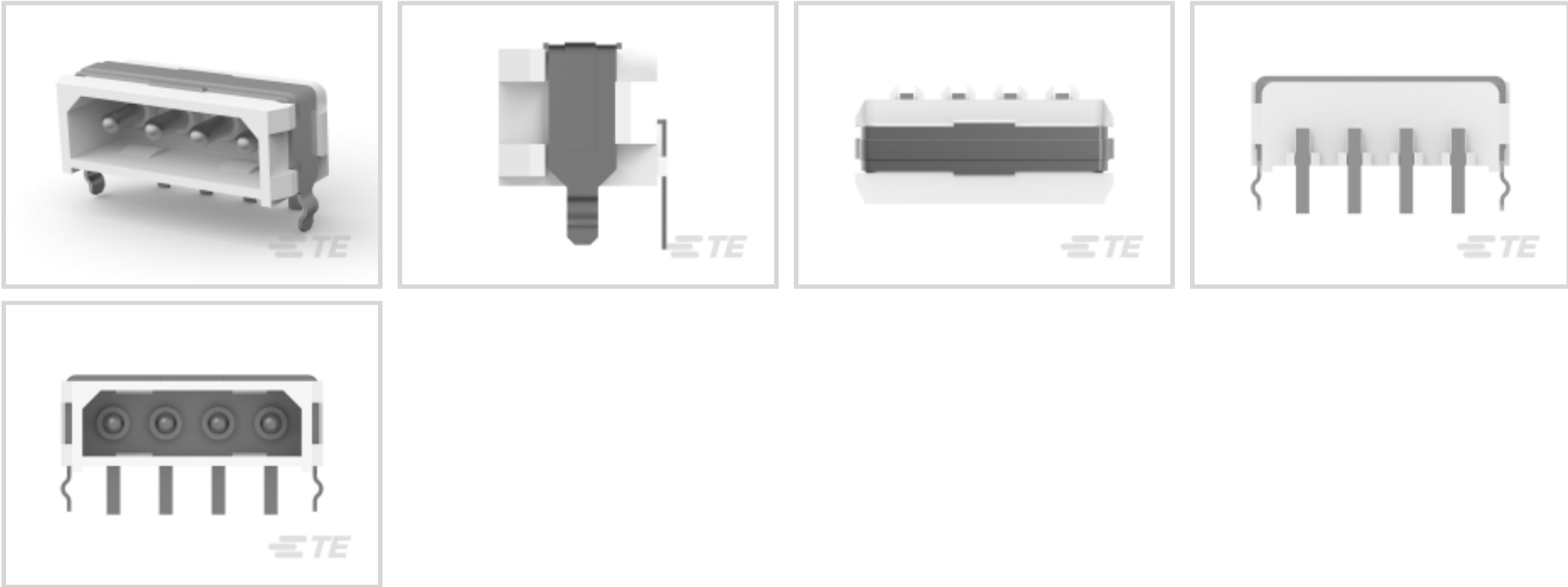


MATE-N-LOK | Commercial MATE-N-LOK

TE Internal #: 174804-1
PCB Mount Header, Right Angle, Wire-to-Board, 4 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



PCB Connector Assembly Type: **PCB Mount Header**
Connector System: **Wire-to-Board**
Number of Positions: **4**
Number of Rows: **1**
Centerline (Pitch): **5.08 mm [.2 in]**

Features

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 Power Positions	4
Number of Columns	4
Number of Loaded Positions	4
Connector Contact Load Condition	Fully Loaded
Number of Positions	4
Number of Rows	1



PCB Mount Orientation	Right Angle
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Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

PCB Retention Feature Material	Copper Alloy
PCB Retention Feature Plating Material	Pre-Tin
Primary Product Color	Natural

Contact Features

Contact Size	2.1mm
Contact Layout	Inline
Mating Pin Diameter	2.1 mm[.083 in]
Contact Shape & Form	Round
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Pre-Tin
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Pre-Tin
Contact Type	Pin
Contact Current Rating (Max)	10 A

Termination Features

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

Mechanical Attachment

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

Housing Features

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Mating Entry Location	Side
Housing Material	Nylon 66
Centerline (Pitch)	5.08 mm[.2 in]

Dimensions

Connector Length	25.4 mm[1 in]
Connector Height	8.76 mm[.345 in]
Connector Width	11.5 mm[.456 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power
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Industry Standards

UL Rating	Certified, Recognized
Glow Wire Rating	Standard Part - Not Glow Wire
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-2

Packaging Features

Packaging Quantity	200
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

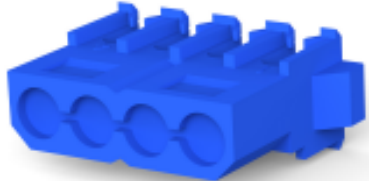
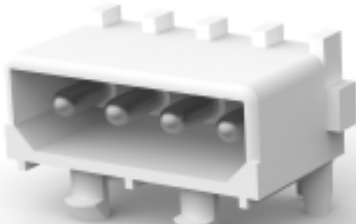
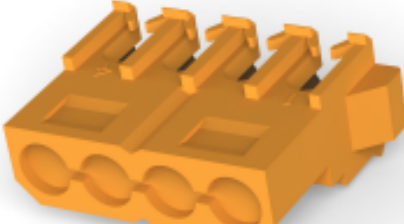
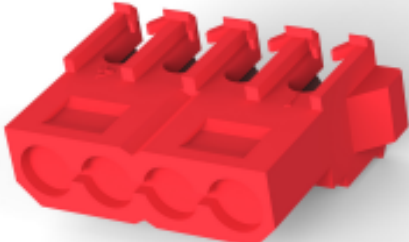
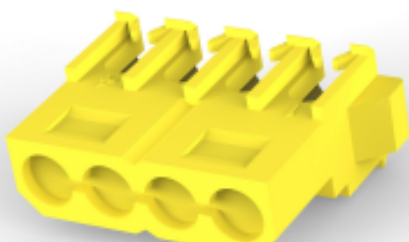
Solder Process Capability

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

 TE Part # 770156-5 04P CMNL IDC PLUG 16 AWG BLU V	 TE Part # 794287-1 04P CMNL HDR ASSY BLK HT	 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 # 827001-2 4P MNL STIFTSOCKEL	 TE Part # 172349-1 4P C-M-N-L HEADER ASSY H	 TE Part # 770156-3 4P CMNL IDC PLUG 18AWG ORG V2
 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 Caps & Covers(2)



Connector Contacts(150)



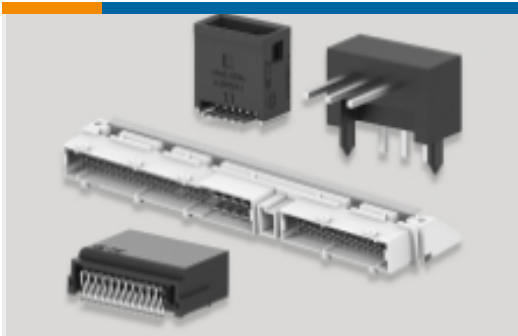
Connector Seals & Cavity Plugs(1)



Crimp Wire Pins, Tabs & Ferrules(2)



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



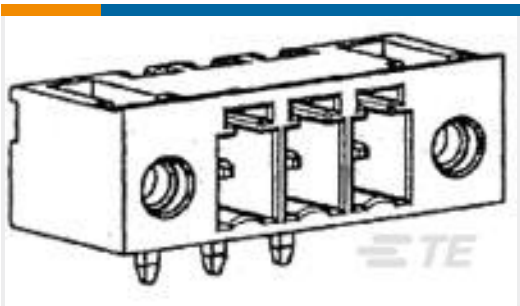
TE Part #5747846-5
25 MSFL RCPT RA 318 (SL,FM,BL)



TE Part #5745071-2
HD-20 PLUG 9P VERT FFSCRLK



TE Part #1-5499913-1
A/L UNIV HDR 60P RA SHT LAT



TE Part #284541-3
3 POS TERMI-BLOK 900 SF 3,81 m



TE Part #8-1614884-7
CPF 0805 15K 0.1% 25PPM 1K RL



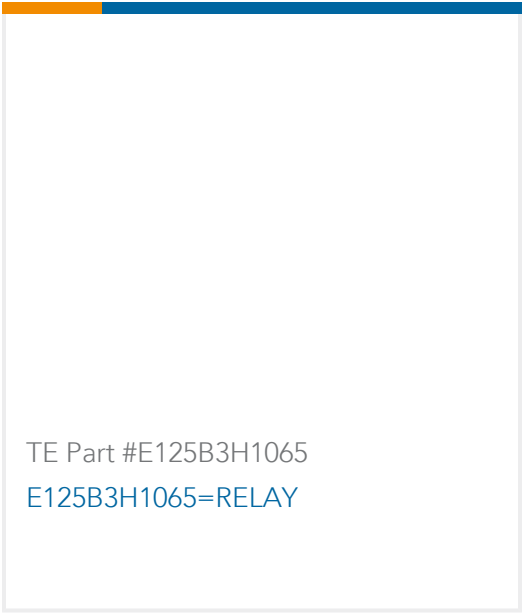
TE Part #3-1624113-1
3650 0805 15nH 5% 2K RL



TE Part #5558066-1
MJ ASSY,10POS,R/A,KEYED



TE Part #216371-000
22759/32-16-5



Documents

Product Drawings

M-N-L PIN HDR W/FIX BELT H 4P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_174804-1_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_174804-1_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_174804-1_F.3d_stp.zip

English

3D PDF

English

Customer View Model

ENG_CVM_174804-1_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_174804-1_D.3d_igs.zip

English

Customer View Model

ENG_CVM_174804-1_D.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



[Agency Approvals](#)
[Agency Approval Document](#)
English