794120-2 ✔ ACTIVE

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

TE Internal #: 794120-2

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

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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: **2**

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

Features

Product Type Features

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 Loaded Positions	2
PCB Mount Orientation	Right Angle
Number of Positions	2
Number of Rows	1
Number of Power Positions	2

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Primary Product Color	Natural

Contact Features

Contact Layout	Inline
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Pin
Contact Current Rating (Max)	12 A
PCB Contact Termination Area Plating Material	Pre-Tin

Termination Features

Termination Post & Tail Length	3.56 mm[.14 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Retention Type	Detent Lock
Mating Alignment Type	Polarization
PCB Mount Retention Type	Boardlock
PCB Mount Alignment Type	Locating Posts
PCB Mount Alignment	With
Mating Retention	With
PCB Mount Retention	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

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

Dimensions

Connector Width	12.29 mm[.48 in]
PCB Thickness (Recommended)	1.58 mm[.062 in]
Connector Height	8.76 mm[.345 in]
Connector Length	15.24 mm[.6 in]

Usage Conditions

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

Operation/Application

Shielded	No
Circuit Application	Power

Industry Standards

Compatible With Agency/Standards Products	CSA, UL
UL Rating	Certified, Recognized
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	100
Packaging Method	Bag

Product Compliance

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

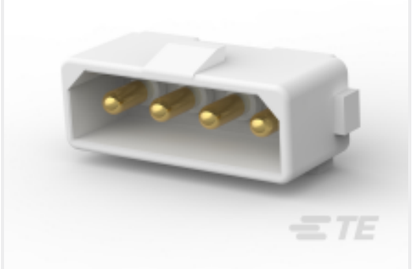
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE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

Product Compliance Disclaimer

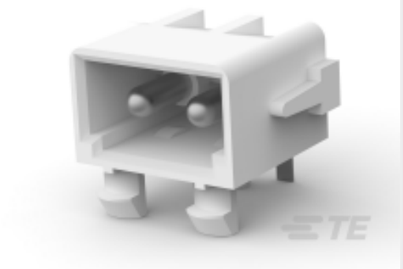
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

Compatible Parts



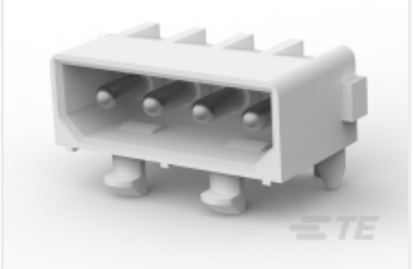
TE Part # 1586534-2
04P CMNL HDR ASSY SHORT LF



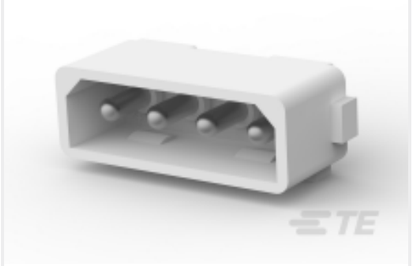
TE Part # 794120-1
02P CMNL PC HDR ASSY RA



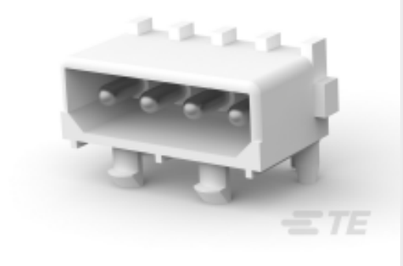
TE Part # 794697-1
04P CMNL HDR ASSY R/A PC NATL



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



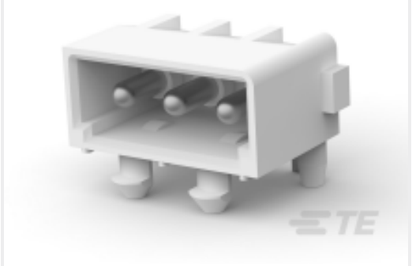
TE Part # 794431-1
04P CMNL PIN HDR SN LONG TAIL



TE Part # 827001-2
4P MNL STIFTSOCKEL



TE Part # 1586515-2
04P CMNL HDR ASSY PC UL94 LF



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



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

Also in the Series | Commercial MATE-N-LOK



Connector Caps & Covers(2)



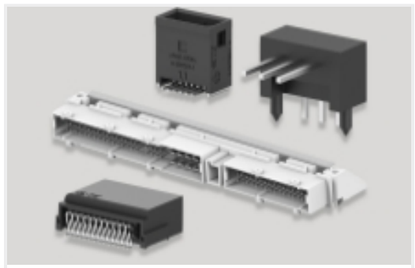
Connector Seals & Cavity Plugs(1)



Hand Crimping Tools(3)



Insertion & Extraction Tools(5)



PCB Headers & Receptacles(55)



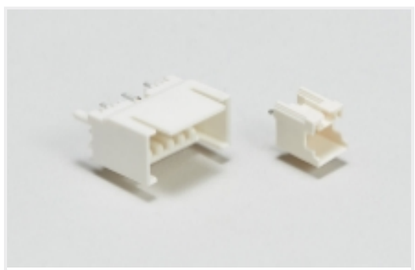
Power Contacts(141)



Rectangular Power Connectors(181)



Standard Circular Connectors(2)



Wire-to-Board Headers & Receptacles (55)

Customers Also Bought



TE Part #3-1393159-6
20C250=SPRING,HOLD-DOWN,R10,.0



BATTERY C



TE Part #7-1879061-4
CPF 0402 10K 0.1% 25PPM 5K RL



TE Part #3-1939756-6
.5FHP08H,220,S,GIG,30/Sn,HT,NS



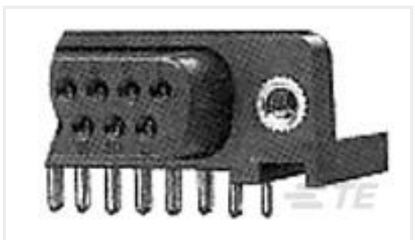
TE Part #1977830-2
DIP SWITCH GDH04SA04



TE Part #5103308-5
A/L LOW PRO HDR 20P VERT BLACK



TE Part #5788792-1
09 HTMSFL PLUG RA 318 (IN,BL)



TE Part #5788798-1
15 HTMSFL ASSY RA 318 (IN,BL)



TE Part #6116173-4
INV MJ,1X1,PNL GRD,SHLD,LED (Y/G)



TE Part #6469028-1
HM-ZD 2PR RECP 40P

Documents

Product Drawings

02P CMNL PC HDR ASSY RA V0

English

CAD Files

Customer View Model

ENG_CVM_794120-2_C.3d_igs.zip

English

Customer View Model

ENG_CVM_794120-2_C.3d_stp.zip

English

Customer View Model

ENG_CVM_794120-2_C.2d_dxf.zip

English

3D PDF

3D

3D PDF

3D

Customer View Model

ENG_CVM_CVM_794120-2_G.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_794120-2_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_794120-2_G.3d_stp.zip

English

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Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Application Specification

English