



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	Vertical
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Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Size	2.1mm
PCB Contact Termination Area Plating Material Thickness	2.03 – 5.08 µm[80 – 200 µin]
Contact Layout	Inline
Mating Pin Diameter	2.1 mm[.083 in]
Contact Mating Area Plating Material Thickness	2.03 – 5.08 µm[80 – 200 µin]
PCB Contact Termination Area Plating Material Finish	Bright
Contact Shape & Form	Round
Contact Mating Area Plating Material Finish	Bright
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	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	3.43 mm[.135 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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



Housing Features

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

Dimensions

Connector Length	23.24 mm[.915 in]
Connector Height	9.52 mm[.375 in]
Connector Width	8.38 mm[.33 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Profile Height from PCB	10.28 mm[.405 in]

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-55 – 105 °C[-67 – 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	3000
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 # 1-480424-0
04P CMNL PLUG HSG F/H NATL



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



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



TE Part # 770149-1
04P CMNL PIN HDR ASSY R/A



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

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 #5352332-1
2MM HM TYPE A MALE HDR 154 POS

TE Part #1761607-3
IDC LOW PRO HDR 10P RA LG LAT

TE Part #4-1473562-6
RITS CONN. PLUG ASSY 6P GREEN

TE Part #60617-4
CMNL SOK PTPPHBZ L/P

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

TE Part #2015699-1
RF CA,UMCC GEN1-GEN1,0.81MM CABLE,L100MM

TE Part #8-1625868-5
RP 2A 0.25W 40R2 0.1% 25PPM 1K RL

TE Part #8-1879333-9
CPF0402 160K 0.1% 25PPM 5K RL



Documents

Product Drawings

04P CMNL HDR VRT W/DH LF

English

CAD Files

Customer View Model

ENG_CVM_1586627-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_1586627-1_A.3d_stp.zip

English

Customer View Model

ENG_CVM_1586627-1_A.2d_dxf.zip

English

3D PDF

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Application Specification

English