



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Wire-to-Board**
Number of Positions: **4**
Number of Rows: **1**

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
Number of Power Positions	4
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	4



Number of Rows	1
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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 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]
PCB Contact Termination Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]
Contact Shape & Form	Round
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	3.43 mm[.135 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	9.65 mm[.38 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	9.52 mm[.375 in]
Connector Length	25.4 mm[1 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

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	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: JAN 2025 (247)



Candidate List Declared Against: JAN 2025
(247)
Does not contain REACH SVHC

Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process CapabilityWave 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 # 794036-3 4P CMNL IDC PLUG 22AWG RED V0	 TE Part # 770156-5 04P CMNL IDC PLUG 16 AWG BLU V	 TE Part # 770156-4 4P CMNL IDC PLUG 20AWG YEL V2	 TE Part # 794036-1 4P CMNL IDC PLUG 18AWG ORG V0
 TE Part # 172349-1 4P C-M-N-L HEADER ASSY H	 TE Part # 794036-2 4P CMNL IDC PLUG 20AWG YEL V0	 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 # 770156-2
4P CMNL IDC PLUG 22AWG RED V2

TE Part # 794036-4
4P CMNL IDC PLUG 16AWG BLU V0

TE Part # 770156-3
4P CMNL IDC PLUG 18AWG ORG V2

Also in the Series | Commercial MATE-N-LOK

Connector Caps & Covers(2)

Connector Contacts(150)

Connector Seals & Cavity Plugs(1)

Insertion & Extraction Tools(3)

PCB Headers & Receptacles(56)

Power Contacts(146)

Rectangular Power Connectors(182)

Standard Circular Connectors(2)

Wire-to-Board Headers & Receptacles (56)

Customers Also Bought

TE Part #1-2340321-2
ASSY STRADDLE MOUNT 168P 076
SLIVER 2.0

TE Part #6-103166-1
26 MODII HDR DRRA SHRD LF

TE Part #2198318-7
zSFP+ STACKED 2X1 RECEPTACLE
ASSEMBLY

TE Part #2204426-2
MULTI-BEAM HD VERTICAL REC.
2P+15S





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



TE Part #4-2176456-5
CPF 0603 2R87 0.1% 25ppm 1K RL

TE Part #2-2327679-0
Receptacle Assy, 56 Pos,Vert,Gen Z



TE Part #5178238-7
CHAMP.050 REC ASS'Y 50P PB-FREE

TE Part #2204426-3
MULTI-BEAM HD VERTICAL REC.
4P+15S

TE Part #1-2204456-3
MULTI-BEAM HD R/A PLUG 2P+15S

Documents

Product Drawings

04P CMNL HDR ASSY PC

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_350211-1_AF.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_350211-1_AF.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_350211-1_AF.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

350211-1

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



English