



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Wire-to-Board**
Number of Positions: **3**
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	3
Number of Loaded Positions	3
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	3
Number of Rows	1



Number of Power Positions	3
Electrical Characteristics	
Operating Voltage	250 VAC
Body Features	
Primary Product Color	Natural
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 Shape & Form	Round
PCB Contact Termination Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]
Contact Layout	Inline
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Pre-Tin
Contact Mating Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]
Contact Type	Pin
Contact Current Rating (Max)	12 A
PCB Contact Termination Area Plating Material	Pre-Tin
Termination Features	
Termination Post & Tail Diameter	1.6 mm[.063 in]
Termination Post & Tail Length	4.95 mm[.195 in]
Termination Method to PCB	Through Hole - Solder
Mechanical Attachment	
Panel Mount Feature	Without
Mating Retention Type	Detent Lock
Mating Alignment Type	Polarization
PCB Mount Alignment	Without
Mating Retention	With
PCB Mount Retention	Without
Connector Mounting Type	Board Mount
Mating Alignment	With



Housing Features

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

Dimensions

Connector Width	8.38 mm[.33 in]
PCB Thickness (Recommended)	3.18 mm[.125 in]
Connector Height	9.52 mm[.375 in]
Connector Length	18.16 mm[.715 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, VDE
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	4000
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 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
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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 # 1-480303-9
03P CMNL PLUG HSG F/H BLK



TE Part # 1-480303-0
03P CMNL PLUG HSG F/H NATL

Also in the Series | Commercial MATE-N-LOK



Connector Caps & Covers(2)



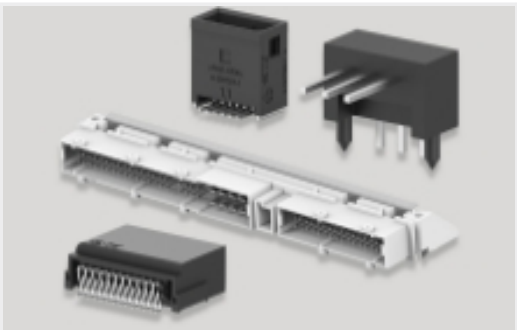
Connector Contacts(150)



Connector Seals & Cavity Plugs(1)



Insertion & Extraction Tools(3)



PCB Headers & Receptacles(55)



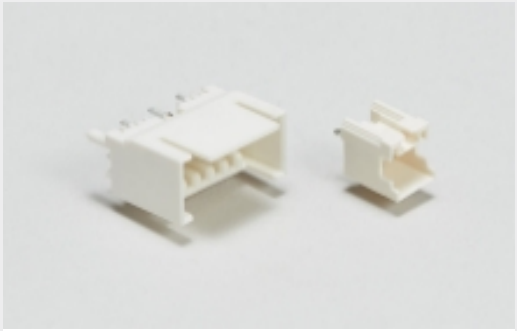
Power Contacts(146)



Rectangular Power Connectors(181)

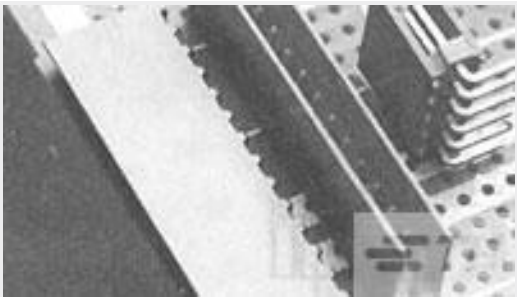


Standard Circular Connectors(2)

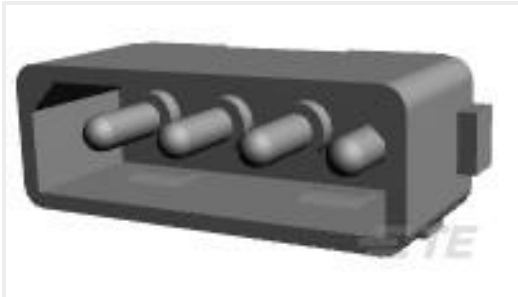


Wire-to-Board Headers & Receptacles (55)

Customers Also Bought



TE Part #281699-5
HEADER HE13 RA 5 P



TE Part #350424-1
04P CMNL HDR ASSY PC NATL



TE Part #350425-1
06P CMNL HDR ASSY PC NATL



TE Part #1-794106-0
20P MINI UMNL R/A HDR ASSY



TE Part #5-1375582-5
06 MTE VERTICAL SMT HDR 15 AU



TE Part #6-1879133-4
RN 0603 4K02 0.1% 10PPM 1K RL



TE Part #7-1879336-9
CPF 0603 1K5 1% 50PPM 1K RL



TE Part #1879338-8
CPF 0603 31K6 1% 50PPM 1K RL



TE Part #5786555-5
50 50SR VRT RCPT,FL TOP,ACT PN



TE Part #6609108-4
PE0S0SZ6C M0=C7022

Documents



Product Drawings

03P CMNL HDR ASSY PC NATL

English

CAD Files

Customer View Model

ENG_CVM_350423-1_N.3d_igs.zip

English

Customer View Model

ENG_CVM_350423-1_N.3d_stp.zip

English

Customer View Model

ENG_CVM_350423-1_N.2d_dxf.zip

English

3D PDF

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_350423-1_U.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_350423-1_U.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_350423-1_U.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