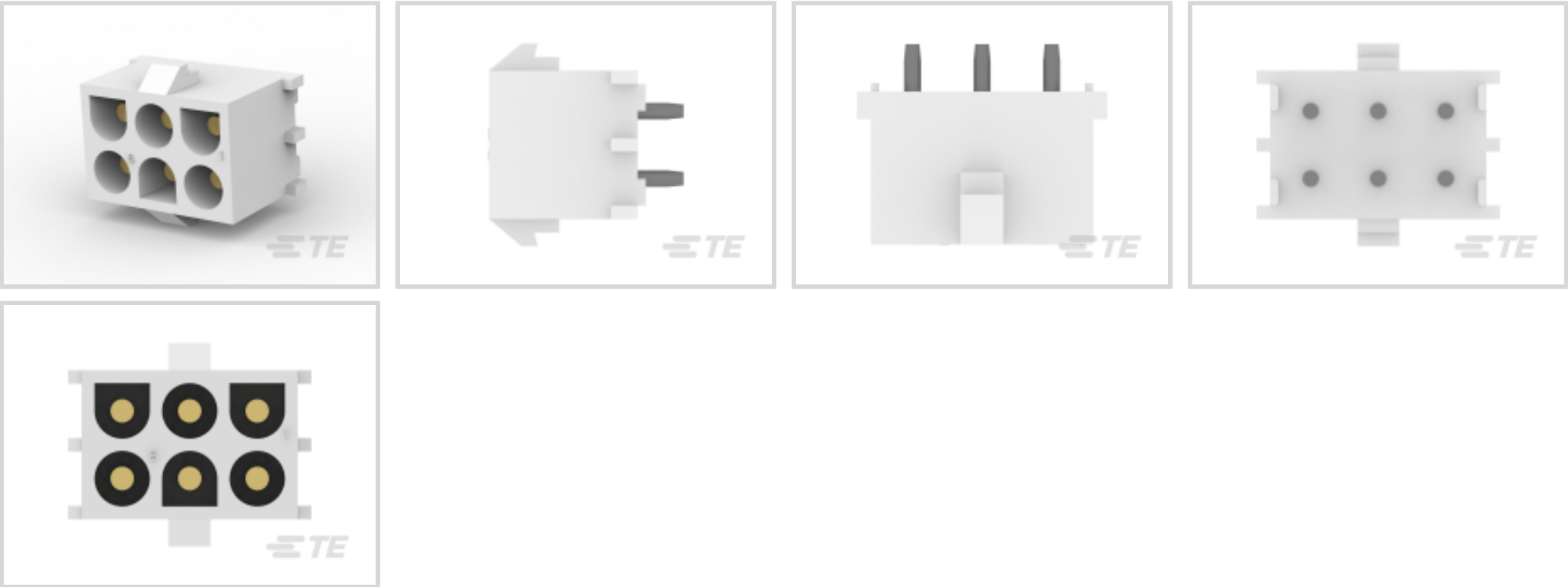




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

Connector System: **Wire-to-Board**

Number of Positions: **6**

Number of Rows: **2**

Features

Electrical Characteristics

Operating Voltage	600 VAC
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Dimensions

Row-to-Row Spacing	6.35 mm[.25 in]
Connector Width	13.97 mm[.55 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	13.97 mm[.55 in]
Connector Length	20.32 mm[.8 in]
Profile Height from PCB	14.73 mm[.58 in]

Packaging Features

Packaging Quantity	100
Packaging Method	Bag

Industry Standards

Compatible With Agency/Standards Products	UL, VDE, CSA
UL Rating	Recognized



Compatible With Approved Standards Products	UL E28476
Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-2

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Locking Tab
Mating Retention	With
Mating Alignment Type	Polarization
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Termination Features

Termination Post & Tail Diameter	1.57 mm[.062 in]
Termination Post & Tail Length	3.56 mm[.14 in]
Termination Method to PCB	Through Hole - Solder

Contact Features

Contact Underplating Material	Nickel
Mating Pin Diameter	2.2 mm[.087 in]
Contact Underplating Material Thickness	1.27 – 1.79 µm[50 – 70 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Size	2.2mm
Contact Mating Area Plating Material Thickness	.76 – .91 µm[30 – 36 µin]
PCB Contact Termination Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]
Contact Shape & Form	Round
Contact Layout	Matrix
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold



Contact Type	Pin
Contact Current Rating (Max)	12 A

Housing Features

Mating Entry Location	Top
Housing Material	Nylon
Centerline (Pitch)	6.35 mm[.25 in]

Configuration Features

Number of Columns	3
Number of Loaded Positions	6
Number of Power Positions	6
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	6
Number of Rows	2

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

Body Features

Primary Product Color	Natural
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Operation/Application

Circuit Application	Power
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 # 3-480704-0
06P UMNL PLUG HSG NATL

TE Part # 1-640721-0
06P UMNL STR/REL & INSRT NATL

TE Part # 1586887-1
06P UMNL CAP HSG, P/M, GW

TE Part # 640715-1
06P UMNL STR/REL

TE Part # 794536-1
06P UMNL CAP HSG 150C BLK

TE Part # 794714-3
06P UMNL CAP HSG RED,PAN MNT

TE Part # 350812-1
STR/REL CLAMP UMNL

TE Part # 926682-3
06P UNIV.M-N-L.HSG.



TE Part # 1586860-1
06P UMNL CAP HSG, GW



TE Part # 8-794536-1
06P UMNL CAP HSG 150C BLK, SPE



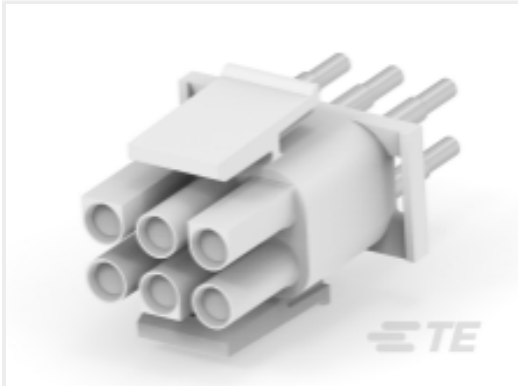
TE Part # 926682-4
6P UN-MNL AUFN-GEH



TE Part # 1969881-1
06P UMNL CAP HSG, P/M, GW V0



TE Part # 643749-1
06P UMNL HDR ASSY W/O DRNS



TE Part # 350848-6
06P UMNL PLUG TEST ASSY 94V0



TE Part # 1586090-3
06P UMNL PINHDR W/O DR HOLE LF



TE Part # 643253-1
06P UMNL ASSY MOD HSG VO



TE Part # 2029367-1
06P UMNL-II TW-N-LK-CAP FRONT



TE Part # 2029369-1
06P UMNL-II REAR, TW-N-LK-CAP



TE Part # 1-480704-0
06P UMNL PLUG HSG NATL



TE Part # 794096-1
06P UMNL PLUG

Also in the Series | Universal MATE-N-LOK



Connector Caps & Covers(34)



Connector Contacts(209)



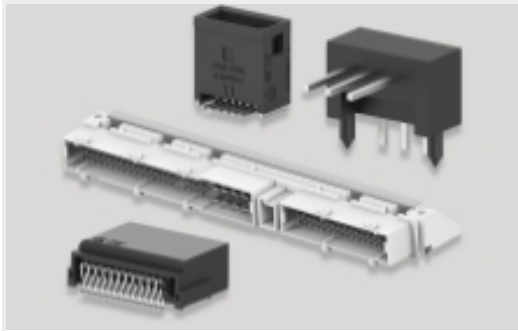
Connector Seals & Cavity Plugs(27)



Connector Strain Relief(7)



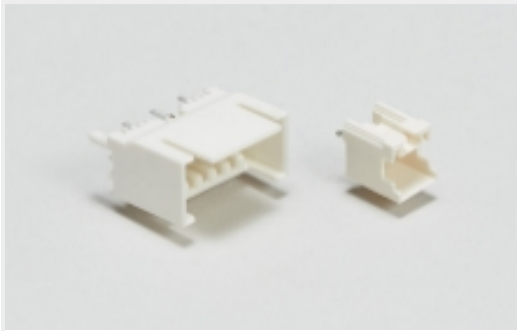
Insertion & Extraction Tools(4)



PCB Headers & Receptacles(284)



Power Contacts(209)



Wire-to-Board Headers & Receptacles (284)

Customers Also Bought



TE Part #5-1676966-3
SMW2 15R 5%

TE Part #1415898-5
RTS3TF12

TE Part #1-6609115-2
3EGG1-2 S0=F7385D

TE Part #796867-3
3 POS TERMI-BLOK HDR VERTICAL

TE Part #350433-4
12P UMNL PIN HDR ASSY NATL LF

TE Part #350789-3
03P UMNL PIN HDR ASSY 94VO

TE Part #5-794618-4
24P MICRO MNL ASSY R/A HDR LF

TE Part #1734324-3
RJ45,8P8C,w/ Y,G LED,shieled,dip, 30u" Au

TE Part #103309-2
014 LOPRO HDR SP 30DP

TE Part #1-1415898-2
RTS3T060

Documents

Product Drawings

06P UMNL PINHDR ASSY V2 NAT LF

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_350431-4_Y.2d_dxf.zip

English

Customer View Model

ENG_CVM_350431-4_Y.3d_igs.zip

English

Customer View Model

ENG_CVM_350431-4_Y.3d_stp.zip

English

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_350431-4_AE.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_350431-4_AE.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_350431-4_AE.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL](#)

English