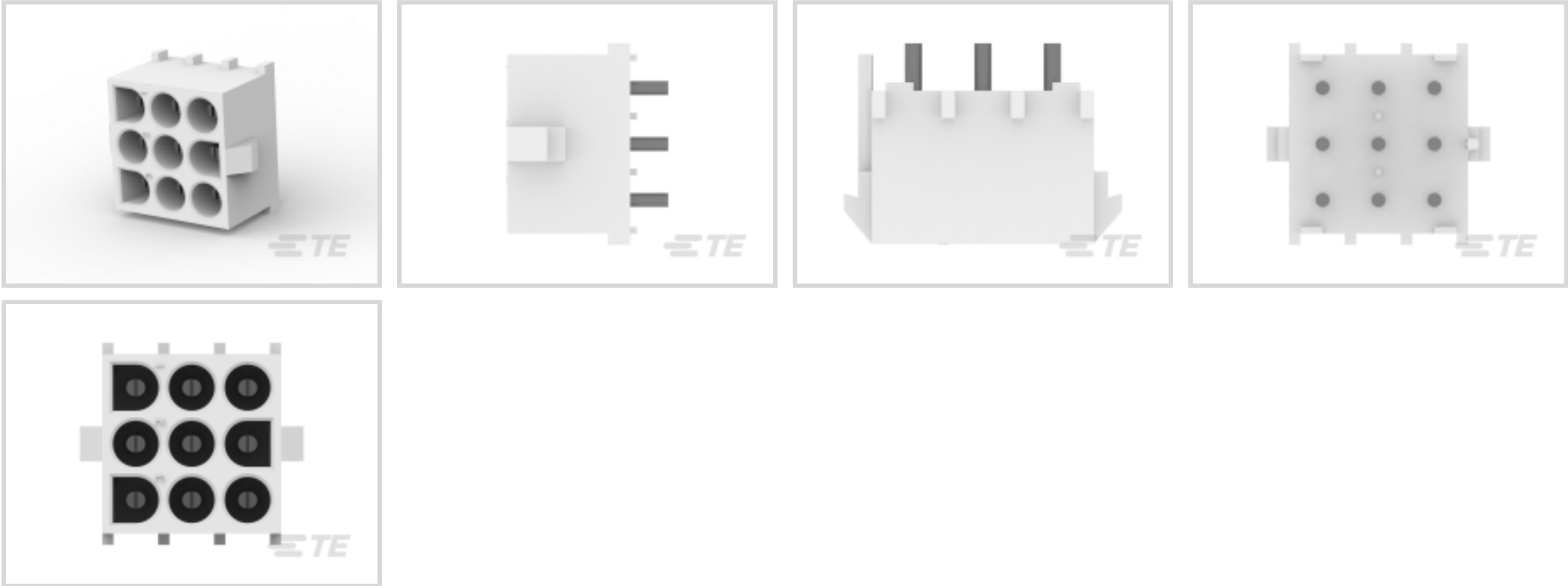




Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **9**

Number of Rows: **3**

Features

Electrical Characteristics

Operating Voltage	600 VAC
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Dimensions

Row-to-Row Spacing	6.35 mm[.25 in]
Connector Width	20.32 mm[.8 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 Alignment Type	Standard Polarized Tail
PCB Mount Retention	Without
PCB Mount Alignment	With
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]
Contact Size	2.2mm
Contact Mating Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]
Contact Shape & Form	Round
PCB Contact Termination Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]
Contact Layout	Matrix
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Pre-Tin
Contact Mating Area Plating Material	Pre-Tin
Contact Type	Pin



Contact Current Rating (Max)	12 A
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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	9
Number of Power Positions	9
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	9
Number of Rows	3

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
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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 # 1-480706-0
09P UMNL PLUG HSG NATL

TE Part # 1586853-1
09P UMNL CAP HSG, GW

TE Part # 1-350590-0
STR/REL CLAMP NATL

TE Part # 1-640722-0
09P UMNL STR/REL & INSRT NATL

TE Part # 1969882-1
09P UMNL CAP HSG, P/M, GW V0

TE Part # 794277-1
09P UMNL INTERFACE SEAL

TE Part # 2029315-1
09P UMNL CAP HSG 150C-RED

TE Part # 1969818-1
09P UMNL PIN HDR ASSY NATL, PIN V0 GW



TE Part # 2029299-1
9 POS UMNL CAP W/LARGE FLANGE-VO



TE Part # 794278-1
09P UMNL WIRE SEAL



TE Part # 927231-5
UNML CAP HSG 9WAY



TE Part # 643254-1
09P UMNL ASSY MOD HSG VO



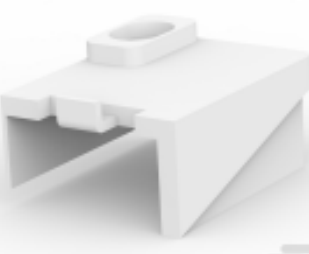
TE Part # 927231-3
HONHUS UMNL V0 9-P



TE Part # 794538-1
09P UMNL CAP HSG 150C BLK



TE Part # 350812-1
STR/REL CLAMP UMNL



TE Part # 640716-1
09P UMNL STR/REL & INSRT



TE Part # 794994-1
09P UMNL BLACK INTERFACE SEAL

Also in the Series | [Universal MATE-N-LOK](#)



[Connector Caps & Covers\(34\)](#)



[Connector Contacts\(209\)](#)



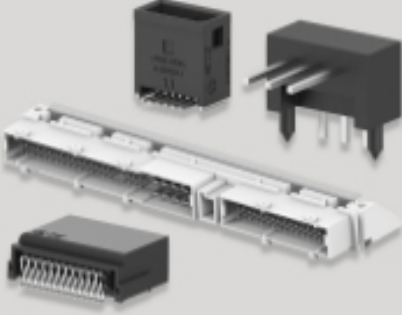
[Connector Seals & Cavity Plugs\(27\)](#)



[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 #440053-5
2.5MM,HDR,5POS,R/A



TE Part #1558676-3
T9GS1L24-12



TE Part #640584-1
08P UMNL HDR ASSY R/A 94VO



TE Part #643226-1
02P UMNL HDR ASSY R/A 94VO



TE Part #641965-1
03P UMNL PIN HDR ASSY V2 NATL



TE Part #641963-1
02P UMNL PIN HDR ASSY POL NATL



TE Part #643410-1
08P UMNL PIN HDR ASSY POL 94VO



TE Part #641828-1
08P UMNL PIN HDR ASSY 94VO



TE Part #3-1437664-8
NC6-P108-06=NC6 ASSEMBLY



TE Part #2238194-1
PCB TERMINAL

Documents

Product Drawings

09P UMNL PIN HDR ASSY V2 NATL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_641971-1_N.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_641971-1_N.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_641971-1_N.3d_stp.zip

English

3D PDF

English



Customer View Model

[ENG_CVM_641971-1_M.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_641971-1_M.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_641971-1_M.2d_dxf.zip](#)

English

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Datasheets & Catalog Pages

[SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY](#)

English

Product Specifications

[Application Specification](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

Agency Approvals

[UL](#)

English