



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **3**

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	3
Number of Loaded Positions	3
Number of Power Positions	3
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle



Number of Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Underplating Material	Nickel
Mating Pin Diameter	2.18 mm[.085 in]
Contact Underplating Material Thickness	1.27 – 1.79 μm[50 – 70 μin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Size	2.175mm
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	Inline
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Pin
Contact Current Rating (Max)	12 A

Termination Features

Termination Post & Tail Length	4.06 mm[.16 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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



Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

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

Dimensions

Connector Width	17.27 mm[.68 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	9.14 mm[.36 in]
Connector Length	37.97 mm[1.49 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power
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Industry Standards

Compatible With Agency/Standards Products	CSA, UL, VDE
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	280
Packaging Method	Box

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 Capability	Wave solder capable to 265°C
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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 # 641945-1
03P UMNL STR/REL

TE Part # 1-640720-0
03P UMNL STR/REL & INSRT NATL

TE Part # 350811-1
STR/REL CLAMP

TE Part # 640714-1
03P UMNL STR/REL

TE Part # 350766-1
03P UMNL PLUG HSG

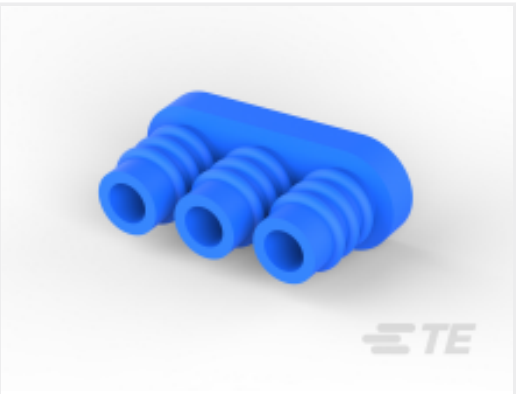
TE Part # 641763-1
03P UMNL STR/REL V2 NATL

TE Part # 770018-1
03P UMNLI IN-LNE PLUG HSG KIT

TE Part # 794992-1
03P UMNL BLACK INTERFACE SEAL



TE Part # 794271-1
03P UMNL INTERFACE SEAL



TE Part # 794272-1
03P UMNL WIRE SEAL



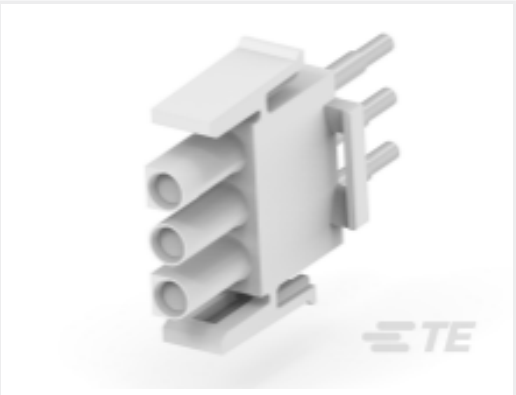
TE Part # 1586849-1
03P UMNL CAP HSG NATL, GW



TE Part # 794900-1
03P UMNL HI TEMP CAP HSG



TE Part # 1-350589-0
STR/REL CLAMP NATL



TE Part # 350848-3
03P UMNL PLUG TEST ASSY 94VO

Also in the Series | Universal MATE-N-LOK



Circular Power Connectors(2)



Connector Caps & Covers(34)



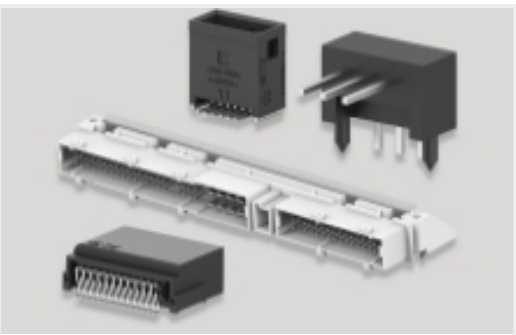
Connector Seals & Cavity Plugs(27)



Connector Strain Relief(7)



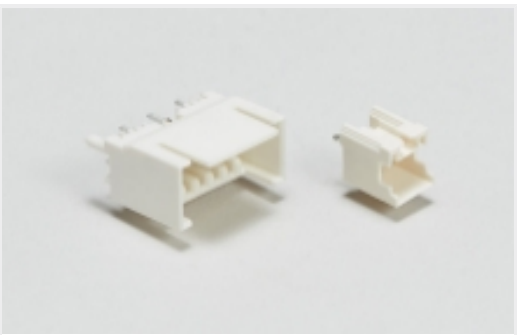
Insertion & Extraction Tools(4)



PCB Headers & Receptacles(286)



Rectangular Power Connectors(651)



Wire-to-Board Headers & Receptacles (286)

Customers Also Bought



TE Part #5747844-5
09 MSFL RCPT RA 318 (SL,FM,BL)



TE Part #5-103166-1
06 MODII HDR DRRS SHRD LF



TE Part #5-103361-2
04 MODII HDR SRRS SHRD LF



TE Part #CSI-RSFB-100-UFFR
RP-SMA to U.FL/MHF1 100mm 1.13 OD





TE Part #CONREVSMA001-G
RP-SMA Jack 50 Ohm PCB Through
Hole



TE Part #2311763-1
AMPL REC, HD22, R/A, 15P, S/L



TE Part #2-2176325-3
CRGP 0402 680R 1%



TE Part #5-103166-2
08 MODII HDR DRRR SHRD LF



TE Part #4-175638-0
1.25FP,R10,DL,B,N,TR



TE Part #5747840-5
HD-20 PLUG RA .318 FMS BD-LK S

Documents

Product Drawings

03P UMNL HDR ASSY R/A 94VO LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-350943-0_V.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-350943-0_V.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-350943-0_V.3d_stp.zip

English

3D PDF

English

Customer View Model

ENG_CVM_3-350943-0_M.3d_igs.zip

English

Customer View Model

ENG_CVM_3-350943-0_M.3d_stp.zip

English

Customer View Model

ENG_CVM_3-350943-0_M.2d_dxf.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
[UL](#)
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