



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**

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	Vertical
Number of Positions	3



Number of Rows	1
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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	2.2 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]
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	Pre-Tin
Contact Mating Area Plating Material	Pre-Tin
Contact Type	Pin
Contact Current Rating (Max)	12 A

Termination Features

Termination Post & Tail Diameter	1.57 mm[.062 in]
Termination Post & Tail Length	3.56 mm[.14 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	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With



Housing Features

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

Dimensions

Connector Width	7.62 mm[.3 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]

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

Glow Wire Rating	GWT 750°C (Without Flame)
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	100
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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.



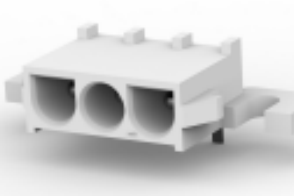
Solder Process Capability

Not reviewed for solder process capability

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 # 1969795-1 02P UMNL HDR ASSY SCKT V0 GW	 TE Part # 1586086-1 04P UMNL PIN HDR ASSY W/O DRNS	 TE Part # 1586963-1 04P UMNL PIN HDR ASSY, GW	 TE Part # 1969804-1 04P UMNL HDR ASSY, SCKT V0 GW
 TE Part # 1969800-1 03P UMNL HDR ASSY, SCKT V0 GW	 TE Part # 1586076-1 02P UMNL PIN HDR W/O DRNS V2	 TE Part # 1586892-3 03P UMNL HDR ASSY R/A, GW V0	 TE Part # 1969805-1 04P UMNL HDR ASSY R/A, PIN V0 GW
 TE Part # 1969799-1 02P UMNL PIN HDR ASSY POL, PIN V0 GW	 TE Part # 1969807-1 04P UMNL PIN HDR ASSY, PIN V0 GW		

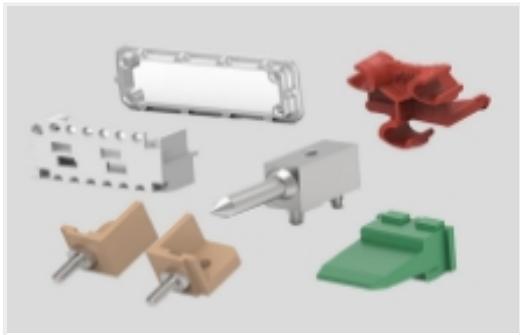
Also in the Series | Universal MATE-N-LOK



Circular Power Connectors(2)



Connector Contacts(208)



Connector Hardware(12)



Power Contacts(208)

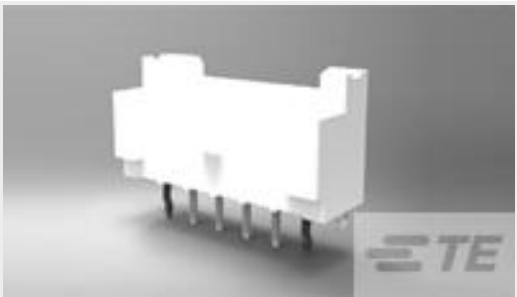


Rectangular Power Connectors(651)

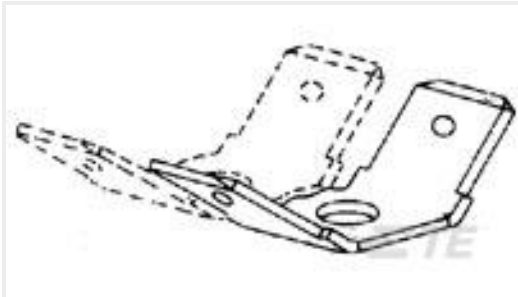


Standard Circular Connectors(1)

Customers Also Bought



TE Part #1744418-3
3 POS EP 2.5 HDR, GLOW WIRE



TE Part #41616
250 FASTON TAB BR



TE Part #5227169-8
BNC - SOLDER RECEPT



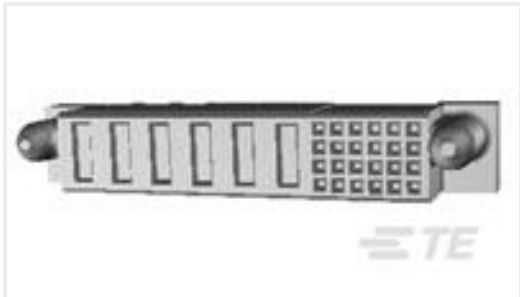
TE Part #2-6609987-7
15SRBS1=F8221H



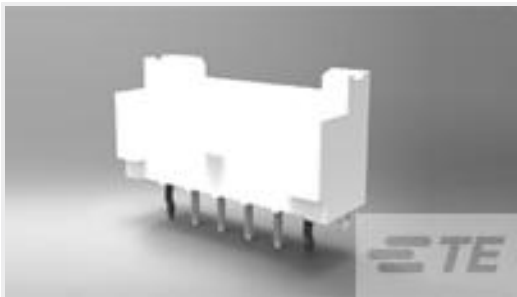
TE Part #CSI-UFFR-100-UFFR
U.FL/MHF1 to U.FL/MHF1 100mm 1.13 OD



TE Part #245582-001
T42-100FR



TE Part #6450551-1
MBXL VERT RCPT 24S+6P



TE Part #1744418-4
4 POS EP 2.5 HDR, GLOW WIRE



TE Part #63316-2
187 FASTON FLAG REC 18-14 AWG TPBR



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

Documents



Product Drawings

03P UMNL PIN HDR ASSY NATL, PIN V0 GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1969803-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1969803-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1969803-1_A.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

VDE Certificate

English

VDE Certificate

English