



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: **20**

Number of Rows: **2**

Features

Electrical Characteristics

Operating Voltage	600 VDC
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Dimensions

Row-to-Row Spacing	4.14 mm[.162 in]
Connector Width	11.88 mm[.468 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	13.49 mm[.531 in]
Connector Length	42.95 mm[1.691 in]
Profile Height from PCB	14.25 mm[.56 in]

Packaging Features

Packaging Quantity	200
Packaging Method	Bag

Industry Standards

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



Compatible With Approved Standards Products	UL E28476
Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Body Features

PCB Retention Feature Material	Nylon
Primary Product Color	White

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Locking Tab
Mating Retention	With
Mating Alignment Type	Chamfered Edges
PCB Mount Retention Type	Boardlock
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Termination Features

Termination Post & Tail Diameter	1 mm[.039 in]
Termination Post & Tail Length	3.69 mm[.145 in]
Termination Method to PCB	Through Hole - Solder

Contact Features

Contact Underplating Material	Nickel
Mating Pin Diameter	1 mm[.039 in]
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Size	1mm
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
PCB Contact Termination Area Plating Material Thickness	3.81 – 8.89 µm[150 – 350 µin]
Contact Shape & Form	Round



Contact Layout	Matrix
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold
Contact Type	Pin
Contact Current Rating (Max)	9.5 A

Housing Features

Mating Entry Location	Top
Housing Material	Nylon
Centerline (Pitch)	4.14 mm[.162 in]

Configuration Features

Number of Columns	10
Number of Loaded Positions	20
Number of Power Positions	20
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	20
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

Operation/Application

Circuit Application	Power
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant



Product Compliance

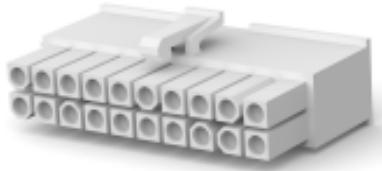
For compliance documentation, visit the product page on TE.com>

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

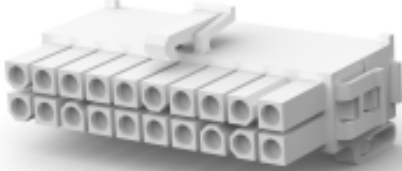
Product Compliance Disclaimer

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

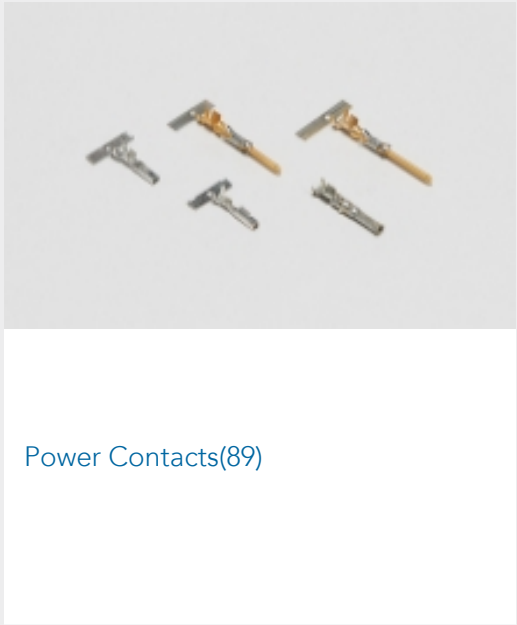
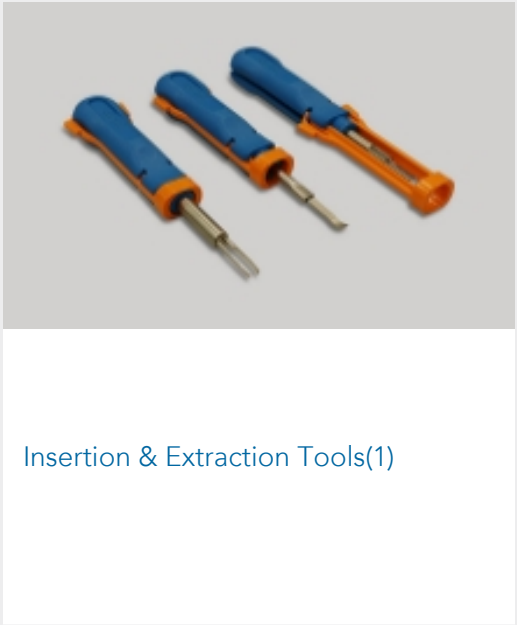
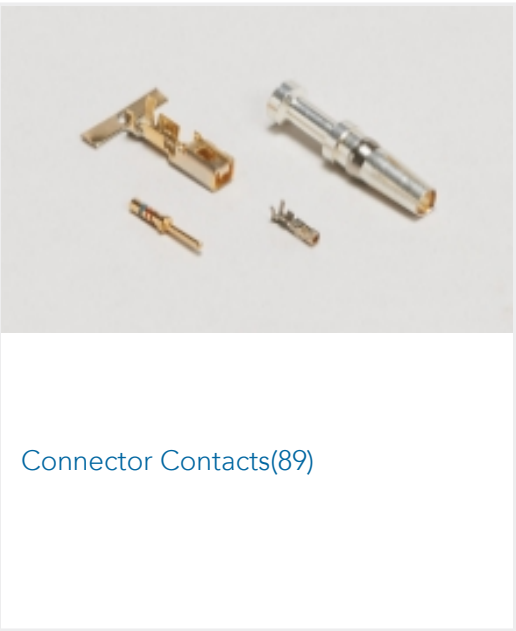


TE Part # 770585-1
20P MINI UMN1 PLUG HSG



TE Part # 794210-1
20P MINI UMN2 PLUG HSG UL94V0

Also in the Series | Mini-Universal MATE-N-LOK



Customers Also Bought



Documents

Product Drawings

20P MINI UMNL HDR W/O DH AU LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-794077-1_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-794077-1_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-794077-1_E.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.



Datasheets & Catalog Pages

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