



Connectors > PCB Connectors > PCB Headers & Receptacles



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

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

Number of Positions: **9**

Number of Rows: **3**

Centerline (Pitch): **6.35 mm [.25 in]**

Features

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

Configuration Features

Number of Power Positions	9
Number of Columns	3
Number of Loaded Positions	9
Connector Contact Load Condition	Fully Loaded
Number of Positions	9
Number of Rows	3
PCB Mount Orientation	Vertical



Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Primary Product Color	Natural
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Contact Features

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

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

Housing Features



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

Dimensions

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



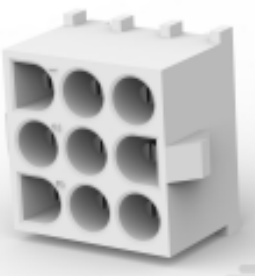
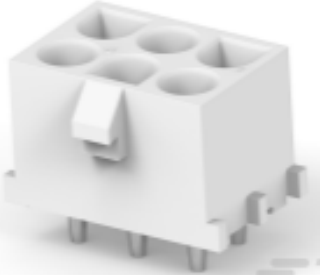
Solder Process Capability

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 # 350586-1 09P UMNL PIN HDR ASSY V2 NATL	 TE Part # 350712-1 09P UMNL PIN HDR ASSY 94VO	 TE Part # 641971-1 09P UMNL PIN HDR ASSY V2 NATL	 TE Part # 350828-1 09P UMNL HDR ASSY PC 94VO
 TE Part # 350432-1 09P UMNL PIN HDR ASSY NATL	 TE Part # 794880-1 09P UMNL PIN HDR ASSY 94VO	 TE Part # 643426-1 09P UMNL SOK HDR ASSY POL 94VO	 TE Part # 1969807-1 04P UMNL PIN HDR ASSY, PIN V0 GW
 TE Part # 1969814-1 06P UMNL PIN HDR ASSY, PIN V0 GW	 TE Part # 1969817-1 09P UMNL SKT HDR ASSY, SKT V0 GW	 TE Part # 1969809-1 05P UMNL PIN HDR ASSY, PIN RA V0 GW	 TE Part # 350742-1 09P UMNL PIN HDR ASSY 94VO



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

TE Part # 1969799-1
02P UMNL PIN HDR ASSY POL, PIN VO GW

Also in the Series | Universal MATE-N-LOK

Circular Power Connectors(2)

Connector Caps & Covers(34)

Connector Contacts(209)

Connector Hardware(12)

Connector Seals & Cavity Plugs(27)

Connector Strain Relief(7)

Insertion & Extraction Tools(4)

PCB Headers & Receptacles(285)

Rectangular Connector Housings(1)

Rectangular Power Connectors(370)

Standard Circular Connectors(1)

Customers Also Bought

TE Part #5205817-3
FEMALE SCREWLOCK KIT

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

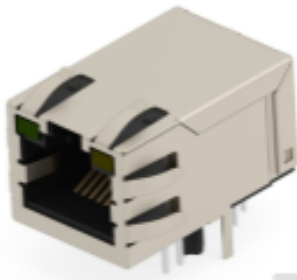
TE Part #1-480708-0
12P UMNL PLUG HSG NATL

TE Part #1734035-1
MINI USB, TYPE B, R/A, SMT

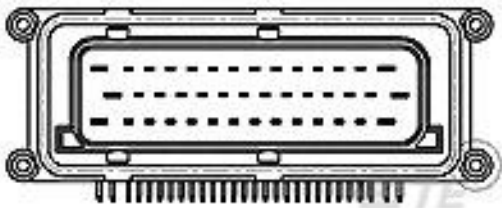




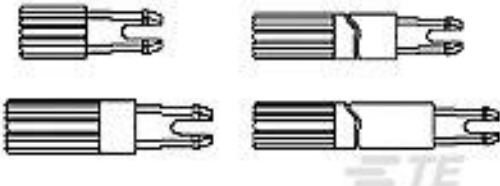
TE Part #1-1462039-9
IM42DGR=IM RELAY 100mW 4.5V BIS



TE Part #203349-E
MJIM IMR 1X1 S 810 GF5 X R THRU * L2A M5



TE Part #1-967280-1
MESSERLEISTE MIX42P



TE Part #1625895-3
6X30 SHAFT

Documents

Product Drawings

09P UMNL PIN HDR ASSY NATL, PIN V0 GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1969818-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1969818-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1969818-1_A.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

VDE Certificate

English

VDE Certificate

English