

1969815-1 ✓ ACTIVE



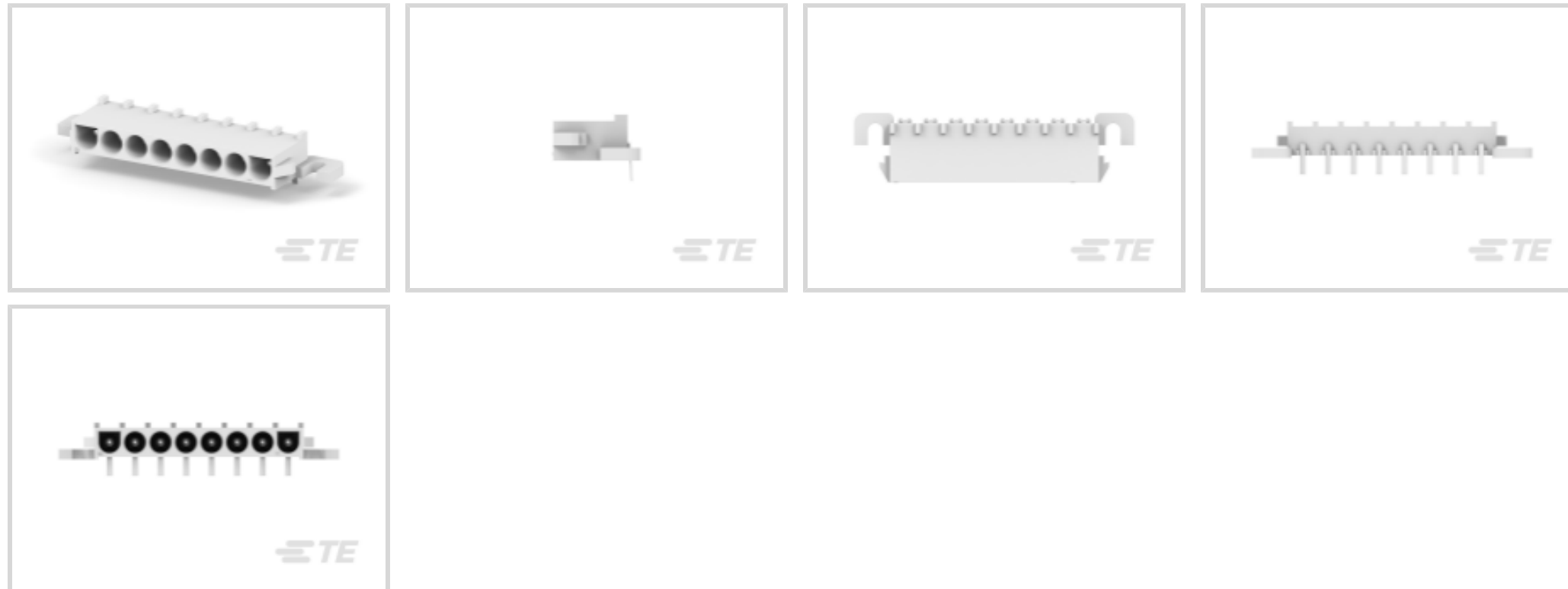
MATE-N-LOK | Universal MATE-N-LOK

TE Internal #: 1969815-1

PCB Mount Header, Right Angle, Wire-to-Board, 8 Position, 6.35 mm [.25 in] Centerline, Fully Shrouded, Pre-Tin, Universal MATE-N-LOK

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

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

PCB Mount Orientation: **Right Angle**

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

### Features

#### Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

#### 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 Columns	8
Number of Loaded Positions	8
Number of Power Positions	8



Connector Contact Load Condition	Fully Loaded
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PCB Mount Orientation	Right Angle
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Number of Positions	8
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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
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Mating Pin Diameter	2.18 mm [.085 in]
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Contact Underplating Material Thickness	1.27 – 1.79 $\mu\text{m}$ [50 – 70 $\mu\text{in}$ ]
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Contact Size	2.175mm
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Contact Mating Area Plating Material Thickness	3.81 – 5.08 $\mu\text{m}$ [150 – 200 $\mu\text{in}$ ]
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PCB Contact Termination Area Plating Material Thickness	3.81 – 5.08 $\mu\text{m}$ [150 – 200 $\mu\text{in}$ ]
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Contact Shape & Form	Round
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Contact Layout	Inline
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Contact Base Material	Phosphor Bronze
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PCB Contact Termination Area Plating Material	Pre-Tin
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Contact Mating Area Plating Material	Pre-Tin
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Contact Type	Pin
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Contact Current Rating (Max)	12 A
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### Termination Features

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

Panel Mount Feature	Without
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Mating Retention Type	Locking Tab
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Mating Retention	With
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Mating Alignment Type	Polarization
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PCB Mount Retention Type	Mounting Ears
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PCB Mount Retention	With
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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	69.72 mm [2.74 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	140
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 # 640584-1  
08P UMNL HDR ASSY R/A 94VO



TE Part # 1-350942-0  
02P UMNL HDR ASSY R/A 94VO



TE Part # 1-350945-0  
05P UMNL HDR ASSY R/A 94VO



TE Part # 643236-1  
08P UMNL HDR ASSY R/A 94VO



TE Part # 1969812-1  
06P UMNL HDR ASSY R/A, PIN V0 GW



TE Part # 1586893-3  
03P UMNL HDR ASSY R/A, GW



TE Part # 1969798-1  
02P UMNL PIN HDR ASSY NATL, PIN V0 GW



TE Part # 1969808-1  
05P UMNL HDR ASSY R/A, PIN V0 GW

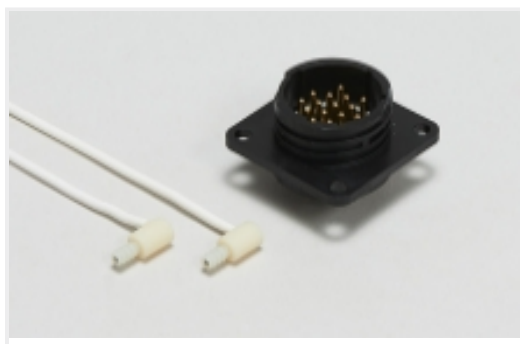


TE Part # 1969816-1  
08P UMNL HDR ASSY R/A, SCKT V0 GW



TE Part # 1969796-1  
02P UMNL HDR ASSY R/A, PIN V0 GW

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



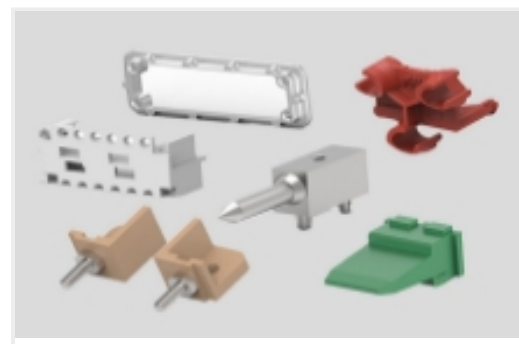
Circular Power Connectors(2)



Connector Caps & Covers(34)



Connector Contacts(209)



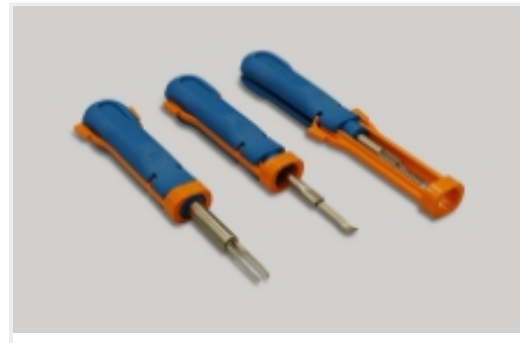
Connector Hardware(12)



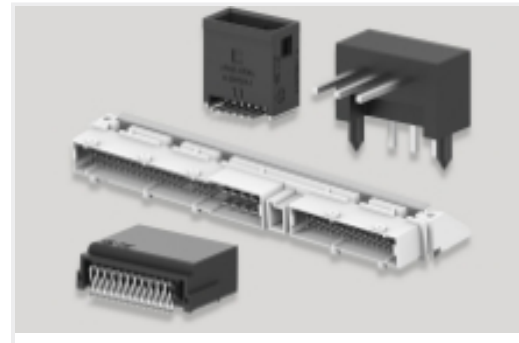
Connector Seals & Cavity Plugs(27)



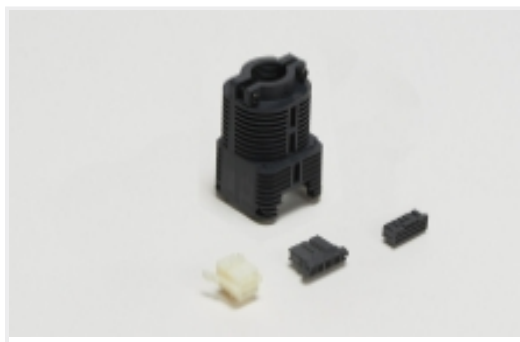
Connector Strain Relief(7)



Insertion & Extraction Tools(4)



PCB Headers & Receptacles(284)



Rectangular Connector Housings(1)

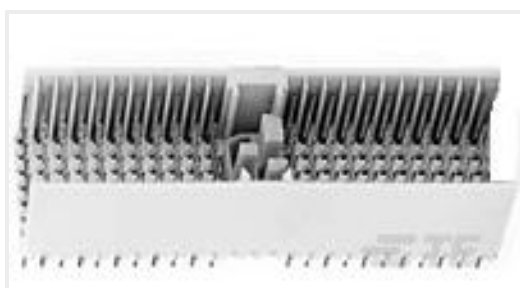


Rectangular Power Connectors(370)



Standard Circular Connectors(1)

## Customers Also Bought



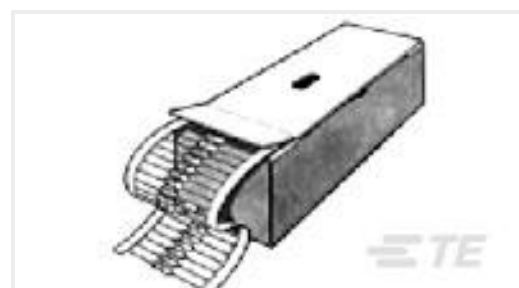
TE Part #5100143-1  
2MM H.M. TYPE "A" PIN ASSY.



TE Part #350550-1  
UMNL SOK 20-14 PTPBR L/P



TE Part #640586-1  
08P UMNL PLUG HSG V2 NATL



TE Part #1-2176083-0  
EP 5W (S) 330R 5%



TE Part #6472296001  
CGPT-R-9.5-0

## Documents



### Product Drawings

[08P UMNL HDR ASSY R/A, PIN V0 GW](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1969815-1\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1969815-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1969815-1\\_A.3d\\_stp.zip](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Agency Approvals

[VDE Certificate](#)

English

[VDE Certificate](#)

English