

1969803-1 ✓ ACTIVE

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

TE Internal #: 1969803-1

Rectangular Power Connectors, Header, Receptacle, Wire-to-Board, 3 Position, 6.35 mm [.25 in] Centerline, Printed Circuit Board, Universal MATE-N-LOK

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **3**

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

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Rectangular Power Connector Type | Header |
| Connector & Housing Type | Receptacle |
| Connector System | Wire-to-Board |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

| | |
|---------------------------|----------|
| Number of Positions | 3 |
| PCB Mount Orientation | Vertical |
| Number of Power Positions | 3 |
| Number of Rows | 1 |

Contact Features

| | |
|--------------------------------------|--------|
| Contact Layout | Inline |
| Contact Mating Area Plating Material | Tin |
| Contact Current Rating (Max) | 12 A |



| | |
|--|-------------------------------|
| Contact Retention Within Housing | Without |
| Contact Type | Pin |
| PCB Contact Termination Area Plating Material | Pre-Tin |
| Contact Mating Area Plating Material Thickness | 3.81 – 5.08 µm[150 – 200 µin] |

Termination Features

| | |
|---|-----------------------|
| Termination Method to Printed Circuit Board | Through Hole - Solder |
|---|-----------------------|

Mechanical Attachment

| | |
|-------------------------|-------------|
| Connector Mounting Type | Board Mount |
|-------------------------|-------------|

Housing Features

| | |
|--------------------|-----------------|
| Centerline (Pitch) | 6.35 mm[.25 in] |
| Housing Color | Natural |
| Housing Material | Nylon |

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

| | |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Identification Marking

| | |
|--------------------------------|------|
| Circuit Identification Feature | With |
|--------------------------------|------|

Industry Standards

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

Packaging Features

| | |
|------------------|-----|
| 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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) |



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 # 1586076-1
02P UMNL PIN HDR W/O DRNS V2



TE Part # 1586086-1
04P UMNL PIN HDR ASSY W/O DRNS



TE Part # 1969804-1
04P UMNL HDR ASSY, SCKT V0 GW



TE Part # 1586963-1
04P UMNL PIN HDR ASSY, GW



TE Part # 1969805-1
04P UMNL HDR ASSY R/A, PIN V0 GW



TE Part # 1586892-3
03P UMNL HDR ASSY R/A, GW V0



TE Part # 1969795-1
02P UMNL HDR ASSY SCKT V0 GW



TE Part # 1969800-1
03P UMNL HDR ASSY, SCKT V0 GW



TE Part # 1969807-1
04P UMNL PIN HDR ASSY, PIN V0 GW



TE Part # 1969799-1
02P UMNL PIN HDR ASSY POL, PIN V0 GW

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



Circular Power Connectors(2)



Connector Contacts(2)



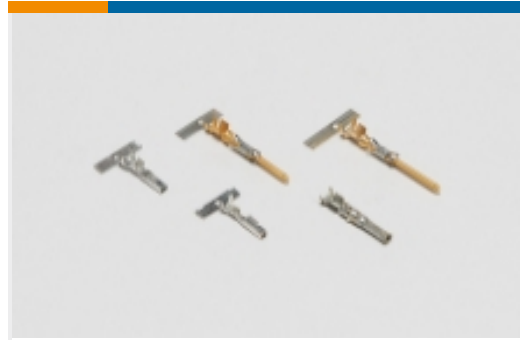
Connector Seals & Cavity Plugs(27)



Connector Strain Relief(34)



Insertion & Extraction Tools(4)



Power Contacts(207)



Rectangular Connector Adapters(7)



Rectangular Connector Hardware(1)



Rectangular Connector Housings(1)



Rectangular Connector Keying Plugs(3)



Rectangular Connector Locking(8)



Rectangular Power Connectors(672)

Customers Also Bought



TE Part #5747497-4
50 PLUG RA/MS STD (SL)



TE Part #1-6609113-3
10CFE1 S0=F7834



TE Part #245582-001
T42-100FR



TE Part #1625960-1
HBA RE 100M 1% 100PPM



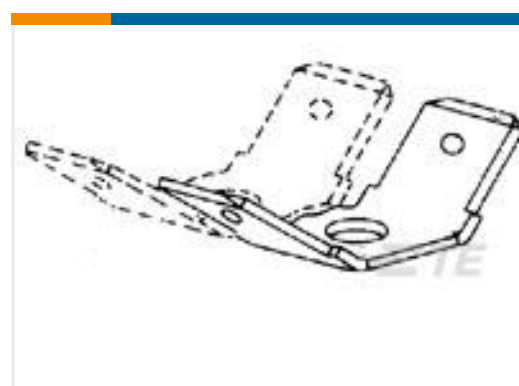
TE Part #6-1393238-9
RTD14048



TE Part #174804-1
M-N-L PIN HDR W/FIX BELT H 4P



TE Part #5227169-8
BNC - SOLDER RECEPT



TE Part #41616
250 FASTON TAB BR



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

Product Environmental Compliance

Product Compliance

English

Product Compliance

English

Agency Approvals

VDE Certificate

English