

1969814-1 ✓ ACTIVE

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

TE Internal #: 1969814-1

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 6
Position, 6.35 mm [.25 in] Centerline, Printed Circuit Board,
Universal MATE-N-LOK

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **6**

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

Features

Product Type Features

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

Configuration Features

| | |
|---------------------------|----------|
| Number of Positions | 6 |
| PCB Mount Orientation | Vertical |
| Number of Power Positions | 6 |
| Number of Rows | 2 |

Contact Features

| | |
|----------------------------------|---------|
| 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 | 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 |

Dimensions

| | |
|--------------------|-----------------|
| Row-to-Row Spacing | 6.35 mm[.25 in] |
|--------------------|-----------------|

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 105 °C[-40 – 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 2022 (224) |



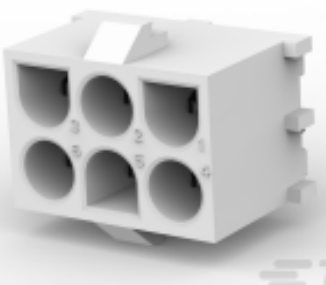

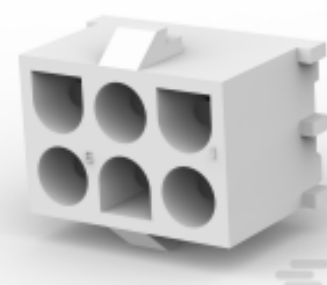
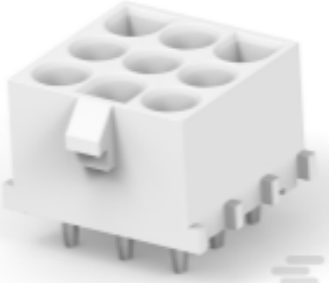



Candidate List Declared Against: JUNE 2022 (224)
Does not contain REACH SVHC

| | |
|---------------------------|------------------------------------------------|
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Not reviewed for solder process capability |

Product Compliance Disclaimer

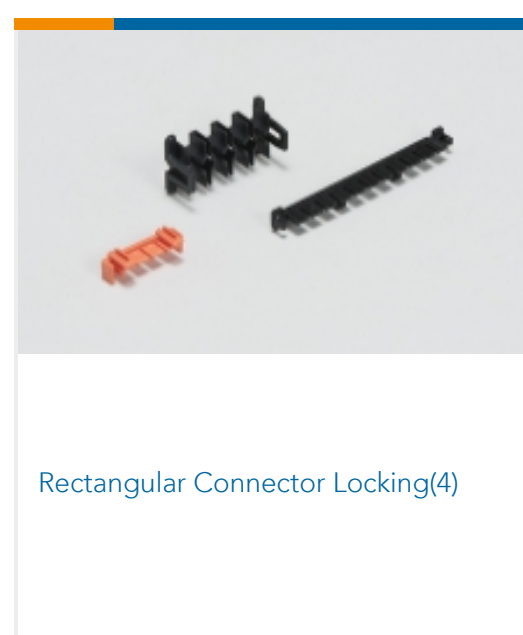
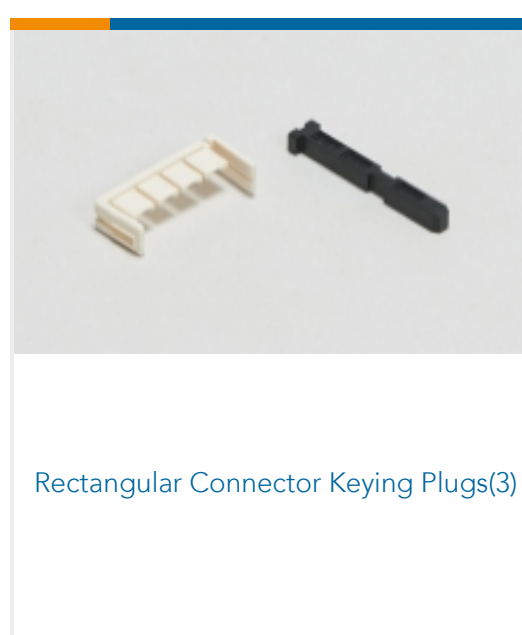
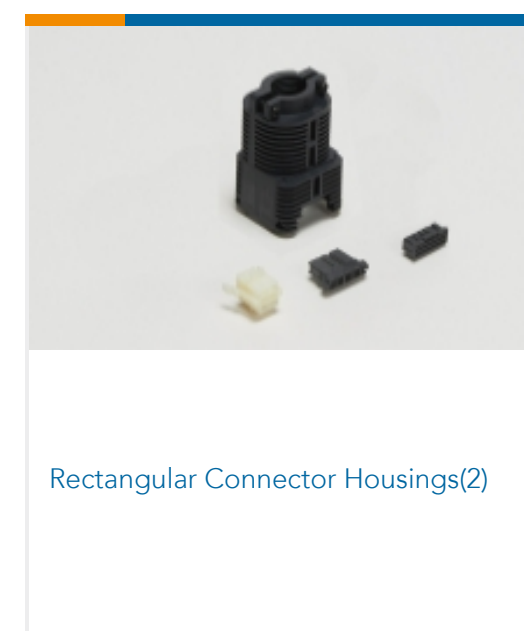
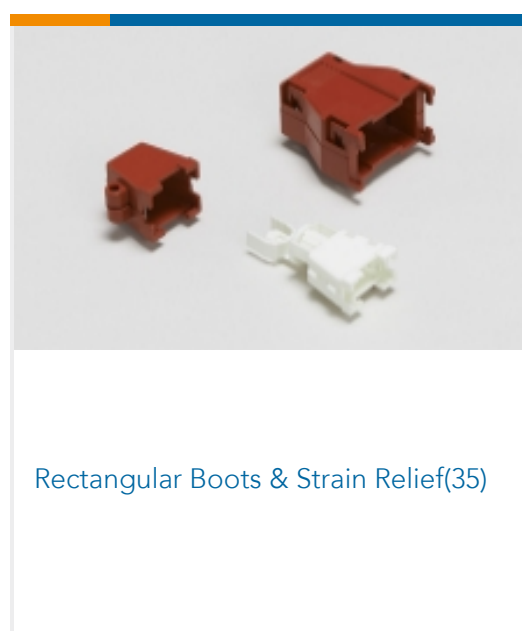
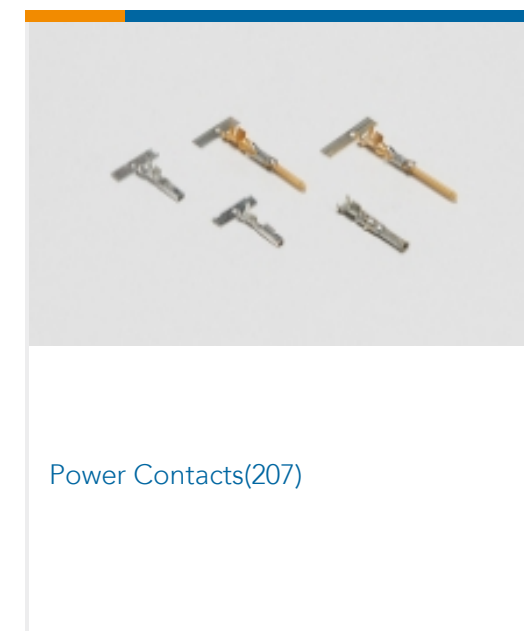
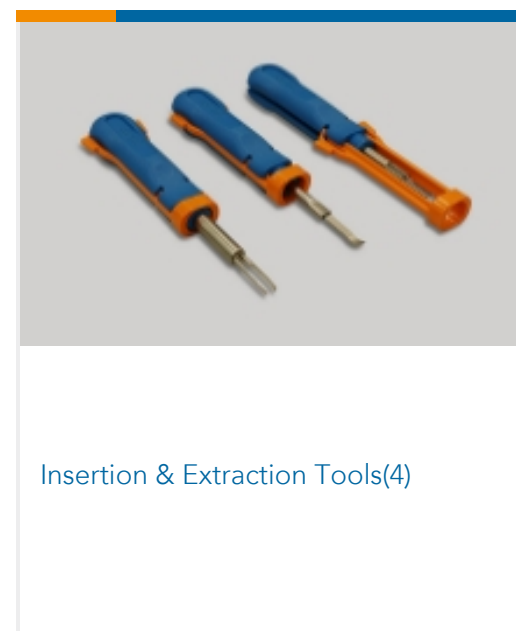
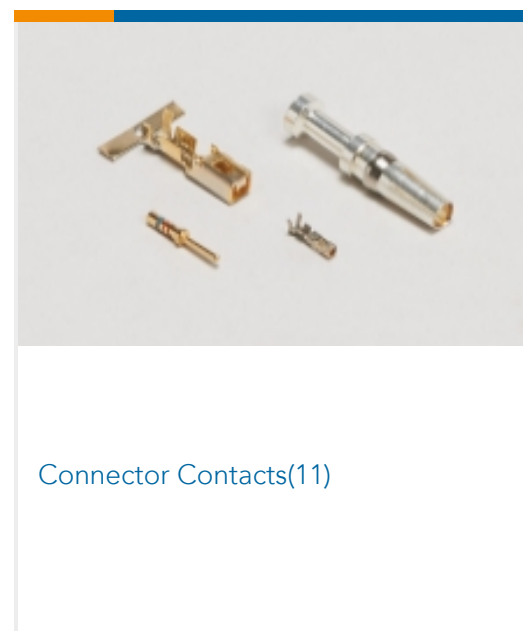
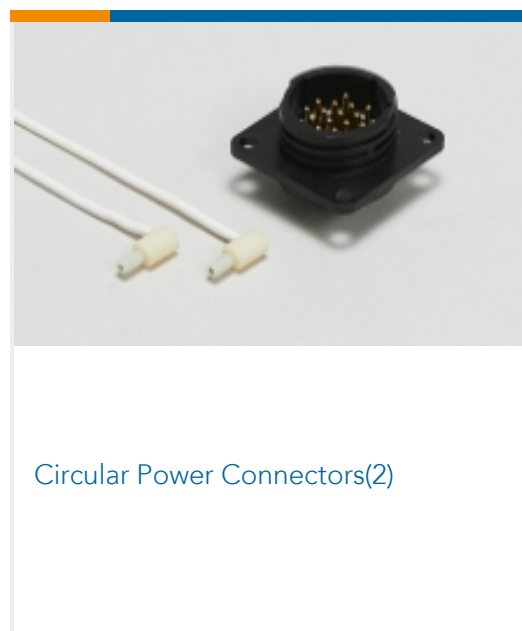
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

| | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 350732-1 06P UMNL PIN HDR ASSY 94VO</p> |  <p>TE Part # 350585-1 06P UMNL PIN HDR ASSY V2 NATL</p> |  <p>TE Part # 350711-1 06P UMNL PIN HDR ASSY 94VO</p> |  <p>TE Part # 350431-1 06P UMNL PIN HDR ASSY V2 NAT</p> |
|  <p>TE Part # 643424-1 06P UMNL HDR ASSY POL 94VO</p> |  <p>TE Part # 1969807-1 04P UMNL PIN HDR ASSY, PIN V0 GW</p> |  <p>TE Part # 1969818-1 09P UMNL PIN HDR ASSY NATL, PIN V0 GW</p> |  <p>TE Part # 1969809-1 05P UMNL PIN HDR ASSY, PIN V0 GW</p> |
|  <p>TE Part # 1586174-1 06P UMNL PIN HDR 94VO NDH</p> |  <p>TE Part # 1969811-1 06P UMNL SKT HDR ASSY, SCKT V0 GW</p> |  <p>TE Part # 1586090-1 06P UMNL PINHDR NO DRAIN HOLE</p> |  <p>TE Part # 1586979-1 06P UMNL PIN HDR ASSY V2, GW</p> |



Also in the Series | Universal MATE-N-LOK



Documents

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[3D PDF](#)

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Agency Approvals

VDE Certificate

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