

1445049-3 ✓ ACTIVE

MATE-N-LOK | Micro MATE-N-LOK

TE Internal #: 1445049-3

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 3
Position, 3 mm [.118 in] Centerline, Wire & Cable, UL 94V-0, Micro
MATE-N-LOK

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

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

Number of Positions: **3**

Centerline (Pitch): **3 mm [.118 in]**

Features

Product Type Features

| | |
|-----------------------------------|--------------|
| Rectangular Power Connector Type | Housing |
| Connector & Housing Type | Plug |
| Connector System | Wire-to-Wire |
| Sealable | No |
| Connector & Contact Terminates To | Wire & Cable |

Configuration Features

| | |
|---------------------|---|
| Number of Positions | 3 |
| Number of Rows | 1 |

Electrical Characteristics

| | |
|-------------------|---------|
| Operating Voltage | 250 VDC |
|-------------------|---------|

Contact Features

| | |
|----------------------------------|---------|
| Multiple Contact Types | Without |
| Contact Layout | Inline |
| Contact Retention Within Housing | Without |



| | |
|--------------|-----|
| Contact Type | Pin |
|--------------|-----|

Termination Features

| | |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

Mechanical Attachment

| | |
|---------------|---------|
| Strain Relief | Without |
|---------------|---------|

| | |
|-----------------------|--------------|
| Mating Alignment Type | Polarization |
|-----------------------|--------------|

| | |
|------------------|------|
| Mating Retention | With |
|------------------|------|

| | |
|------------------|------|
| Mating Alignment | With |
|------------------|------|

| | |
|-----------------------|-------------|
| Mating Retention Type | Locking Tab |
|-----------------------|-------------|

| | |
|-------------------------|----------------------------|
| Connector Mounting Type | Cable Mount (Free-Hanging) |
|-------------------------|----------------------------|

Housing Features

| | |
|--------------------|----------------|
| Centerline (Pitch) | 3 mm [.118 in] |
|--------------------|----------------|

| | |
|---------------|-------|
| Housing Color | Black |
|---------------|-------|

| | |
|------------------|------------|
| Housing Material | Nylon 66/6 |
|------------------|------------|

Dimensions

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|--------------------------------------|---------|
| Compatible Insulation Diameter (Max) | 1.52 mm |
|--------------------------------------|---------|

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|------------------|----------|
| Connector Height | 16.89 mm |
|------------------|----------|

| | |
|---------------|---------|
| Product Width | 3.86 mm |
|---------------|---------|

| | |
|----------------|---------|
| Product Length | 9.85 mm |
|----------------|---------|

Usage Conditions

| | |
|-----------------------------|-----------------------------|
| Operating Temperature Range | -40 – 105 °C [-40 – 221 °F] |
|-----------------------------|-----------------------------|

Operation/Application

| | |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

| | |
|------------|--------------------|
| CSA Rating | Certified, LR 7189 |
|------------|--------------------|

| | |
|-----------|------------|
| UL Rating | Recognized |
|-----------|------------|

| | |
|-----------------|----------|
| Agency/Standard | CNR, USR |
|-----------------|----------|

| | |
|--------------------|-------------------------|
| Approved Standards | UL E28476, VDE 40005280 |
|--------------------|-------------------------|

| | |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

| | |
|------------------|-------------------------------|
| Glow Wire Rating | Standard Part - Not Glow Wire |
|------------------|-------------------------------|

Packaging Features



| | |
|--------------------|------|
| Packaging Quantity | 1000 |
| Packaging Method | Tray |

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 | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Not applicable for solder process capability |

Product Compliance Disclaimer

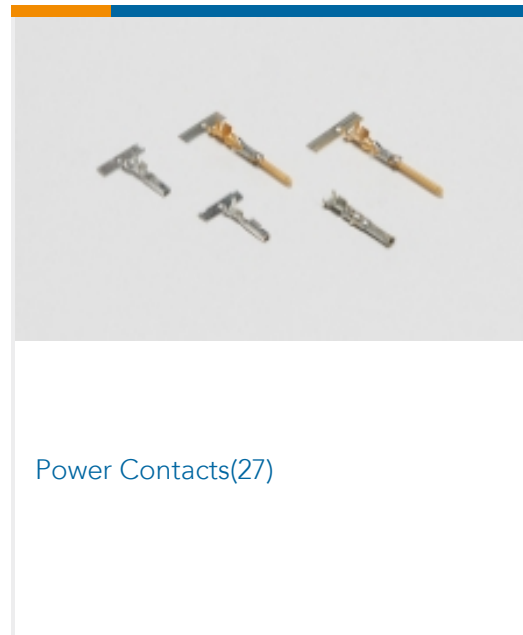
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1445022-3 MICRO MNL RFECEPT HSG SINGLE R</p> |  <p>TE Part # 2008571-3 3 POS MICRO MNL, TOP LATCH, BL</p> |  <p>TE Part # 2029047-3 3P MICRO MNL RCPT HSG SR SIDE</p> |  <p>TE Part # 2029102-3 3P MICRO MNL RCPT SR SIDE WHT</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|



Also in the Series | Micro MATE-N-LOK



Customers Also Bought



Documents

Product Drawings

[FREE HANG SNGL ROW HSG 3 POS](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1445049-3_B1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1445049-3_B1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1445049-3_B1.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG](#)

English

[MICRO MATE-N-LOK CONNECTOR SYSTEM](#)

English

Product Specifications

[Application Specification](#)

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Product Environmental Compliance

[Product Compliance Document](#)

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