

5-794630-2 ✓ ACTIVE

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

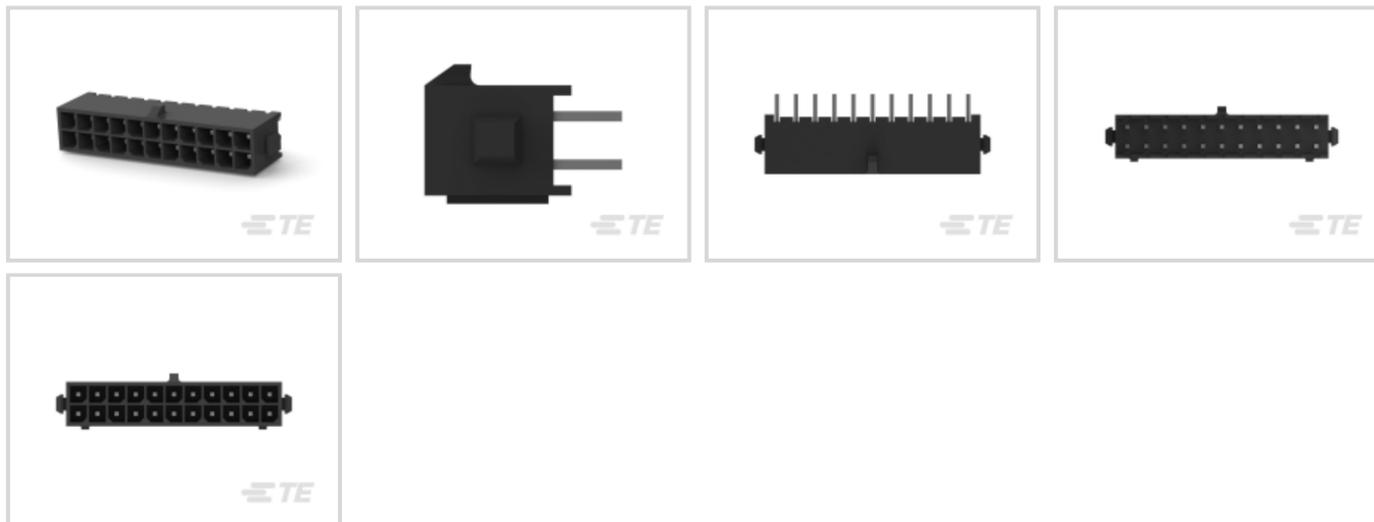
TE Internal #: 5-794630-2

PCB Mount Header, Vertical, Wire-to-Board, 22 Position, 3 mm [.118 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Power, Micro MATE-N-LOK

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **22**

Number of Rows: **2**

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

PCB Mount Orientation: **Vertical**

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Mixed & Hybrid Header | No |
| Connector Shape | Rectangular |
| Connector System | Wire-to-Board |
| Header Type | Fully Shrouded |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |
| PCB Connector Assembly Type | PCB Mount Header |

Configuration Features

| | |
|----------------------------------|--------------|
| Number of Power Positions | 22 |
| Number of Columns | 11 |
| Number of Loaded Positions | 22 |
| Connector Contact Load Condition | Fully Loaded |
| Number of Positions | 22 |
| Number of Rows | 2 |



| | |
|-----------------------|----------|
| PCB Mount Orientation | Vertical |
|-----------------------|----------|

Electrical Characteristics

| | |
|-------------------|---------|
| Operating Voltage | 250 VAC |
|-------------------|---------|

Body Features

| | |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

Contact Features

| | |
|----------------------------|-------------------|
| Contact Mating Area Length | 4.15 mm [.163 in] |
|----------------------------|-------------------|

| | |
|--------------|-------|
| Contact Size | .64mm |
|--------------|-------|

| | |
|------------------------------|------------------|
| Mating Square Post Dimension | .64 mm [.025 in] |
|------------------------------|------------------|

| | |
|---|---|
| PCB Contact Termination Area Plating Material Thickness | 2.54 - 7.62 μm [100 - 300 μin] |
|---|---|

| | |
|----------------|--------|
| Contact Layout | Matrix |
|----------------|--------|

| | |
|---|--|
| Contact Underplating Material Thickness | 1.27 - 2.54 μm [50 - 100 μin] |
|---|--|

| | |
|--|---|
| Contact Mating Area Plating Material Thickness | 2.54 - 7.62 μm [100 - 300 μin] |
|--|---|

| | |
|--|-------|
| PCB Contact Termination Area Plating Material Finish | Matte |
|--|-------|

| | |
|----------------------|--------|
| Contact Shape & Form | Square |
|----------------------|--------|

| | |
|---|-------|
| Contact Mating Area Plating Material Finish | Matte |
|---|-------|

| | |
|-------------------------------|--------|
| Contact Underplating Material | Nickel |
|-------------------------------|--------|

| | |
|---|-----|
| PCB Contact Termination Area Plating Material | Tin |
|---|-----|

| | |
|-----------------------|-------|
| Contact Base Material | Brass |
|-----------------------|-------|

| | |
|--------------------------------------|-----|
| Contact Mating Area Plating Material | Tin |
|--------------------------------------|-----|

| | |
|--------------|-----|
| Contact Type | Tab |
|--------------|-----|

| | |
|------------------------------|-----|
| Contact Current Rating (Max) | 5 A |
|------------------------------|-----|

Termination Features

| | |
|--|------------------|
| Square Termination Post & Tail Dimension | .64 mm [.025 in] |
|--|------------------|

| | |
|--------------------------------|-------------------|
| Termination Post & Tail Length | 3.18 mm [.125 in] |
|--------------------------------|-------------------|

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

Mechanical Attachment

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

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

| | |
|---------------------|---------|
| Panel Mount Feature | Without |
|---------------------|---------|

| | |
|--------------------------|----------------|
| PCB Mount Retention Type | Retention Bump |
|--------------------------|----------------|

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



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

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

| | |
|---------------------|---------|
| PCB Mount Alignment | Without |
|---------------------|---------|

| | |
|---------------------|------|
| PCB Mount Retention | With |
|---------------------|------|

Housing Features

| | |
|-----------------------|-----|
| Mating Entry Location | Top |
|-----------------------|-----|

| | |
|------------------|------------------------|
| Housing Material | High Temperature Nylon |
|------------------|------------------------|

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

Dimensions

| | |
|------------------|-----------------|
| Connector Length | 37 mm [1.45 in] |
|------------------|-----------------|

| | |
|------------------|-------------------|
| Connector Height | 9.24 mm [.364 in] |
|------------------|-------------------|

| | |
|-----------------|-------------------|
| Connector Width | 8.67 mm [.341 in] |
|-----------------|-------------------|

| | |
|-----------------------------|-------------------|
| PCB Thickness (Recommended) | 1.57 mm [.062 in] |
|-----------------------------|-------------------|

| | |
|--------------------|----------------|
| Row-to-Row Spacing | 3 mm [.118 in] |
|--------------------|----------------|

Usage Conditions

| | |
|-----------------------------|-----------------|
| Operating Temperature (Max) | 105 °C [221 °F] |
|-----------------------------|-----------------|

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

Operation/Application

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

Industry Standards

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

| | |
|------------------|---------------------------|
| Glow Wire Rating | GWT 750°C (Without Flame) |
|------------------|---------------------------|

| | |
|---|----------|
| Compatible With Agency/Standards Products | CNR, USR |
|---|----------|

| | |
|---|-----------|
| Compatible With Approved Standards Products | UL E28476 |
|---|-----------|

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

Packaging Features

| | |
|--------------------|----|
| Packaging Quantity | 91 |
|--------------------|----|

| | |
|------------------|------|
| 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: JAN 2024 (240)

Candidate List Declared Against: JAN 2024 (240)

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

Reflow solder capable to 260°C

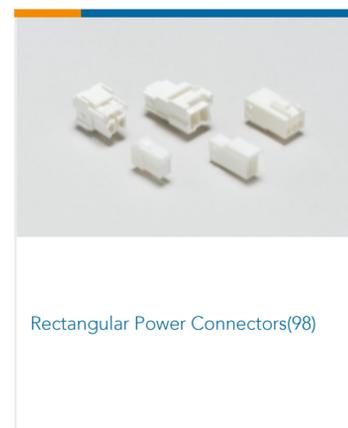
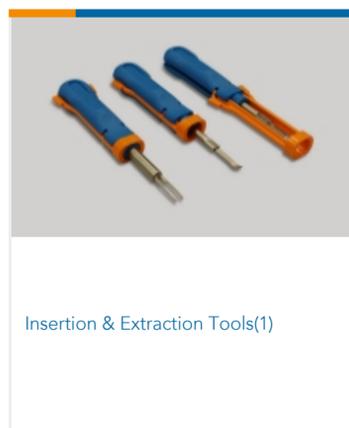
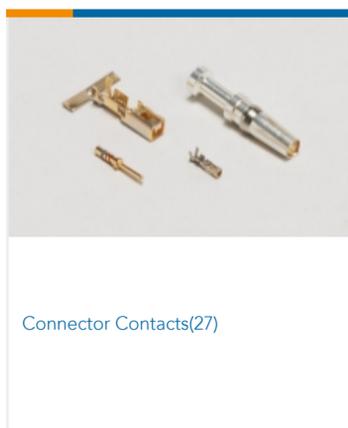
Product Compliance Disclaimer

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>

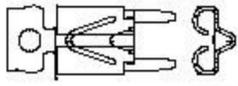
Compatible Parts



Also in the Series | Micro MATE-N-LOK



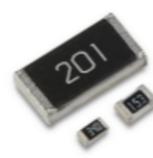
Customers Also Bought



TE Part # 63968-1
FASTON 205/250 LIF PCB MOUNTED
TPBR



TE Part # 2-1445050-9
MICRO MNL HDR ASSY S/ROW LF



TE Part # 5-2176329-1
CRGP 1210 150K 1%



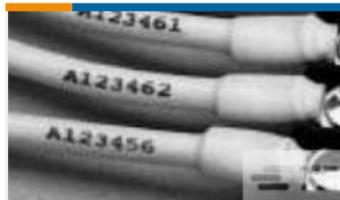
TE Part # HD10-6BT
BOOT, 6P, PLG/REC, ST, GRY



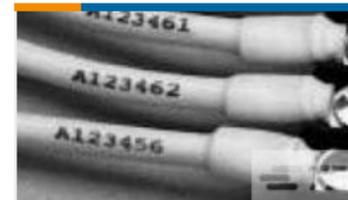
TE Part # 6274020-1
JACK, VERTICAL, PCB, F SERIES



TE Part # 5-794681-4
24P MICRO MNL ASSY,VRT,THRU,LF



TE Part # 5053092267
RNF-100-1/4-BK-STK



TE Part # 5052942218
RNF-100-3/32-BK-STK



TE Part # 1438133-1
70 WAY WIRE SHIELD (PROD)

Documents

Product Drawings

[22P MICRO MNL ASSY,VRT,HDR,LF](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_5-794630-2_H.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-794630-2_H.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-794630-2_H.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](#)

English

Agency Approvals

[VDE Certificate](#)

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