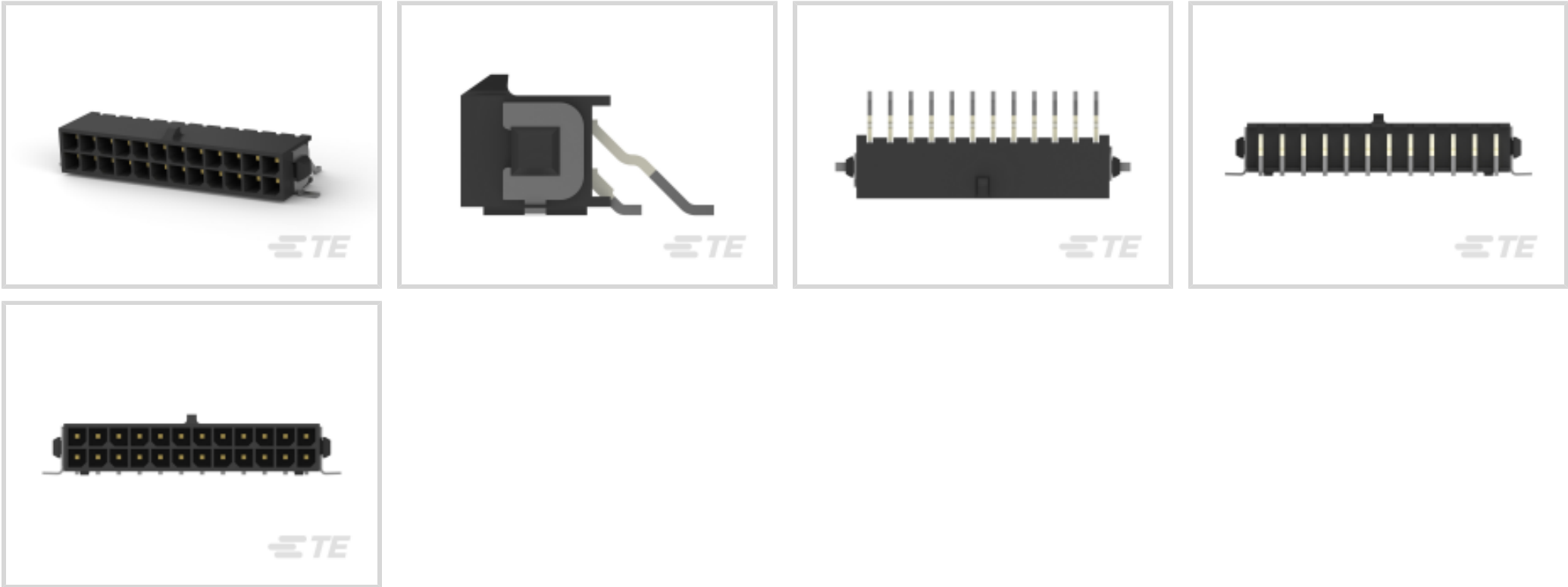




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **24**

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

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Header Type | Fully Shrouded |
| 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 | 24 |
| PCB Mount Orientation | Right Angle |
| Number of Power Positions | 24 |
| Number of Rows | 2 |

Electrical Characteristics

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

Contact Features



| | |
|---|-------------------------------|
| Multiple Contact Types | Without |
| PCB Contact Termination Area Plating Material Thickness | 3.81 – 8.89 µm[150 – 350 µin] |
| Contact Mating Area Plating Material | Gold |
| Contact Current Rating (Max) | 5 A |
| Contact Retention Within Housing | Without |
| Contact Type | Pin |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material Thickness | .76 µm[30 µin] |

Termination Features

| | |
|---|-----------------|
| Termination Post & Tail Length | 3.56 mm[.14 in] |
| Termination Method to Printed Circuit Board | Surface Mount |

Mechanical Attachment

| | |
|--------------------------|----------------------|
| Strain Relief | Without |
| Mating Alignment Type | Polarization |
| Mating Retention | With |
| Mating Alignment | With |
| PCB Mount Alignment | Without |
| PCB Mount Retention | With |
| PCB Mount Retention Type | Hold-Down Post |
| Mating Retention Type | Latch, Locking Latch |
| Connector Mounting Type | Board Mount |

Housing Features

| | |
|--------------------|------------------------|
| Centerline (Pitch) | 3 mm[.118 in] |
| Housing Color | Black |
| Housing Material | High Temperature Nylon |

Dimensions

| | |
|-----------------------------|-------------------|
| Connector Height | 7.37 mm[.29 in] |
| PCB Thickness (Recommended) | 1.6 mm[.063 in] |
| Product Width | 8.11 mm[.319 in] |
| Product Length | 36.86 mm[1.45 in] |
| Row-to-Row Spacing | 3 mm[.118 in] |

Usage Conditions

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



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

Operation/Application

| | |
|---------------------|-------|
| Shielded | No |
| Circuit Application | Power |

Identification Marking

| | |
|--------------------------------|---------|
| Circuit Identification Feature | Without |
|--------------------------------|---------|

Industry Standards

| | |
|---------------------------|--|
| Glow Wire Material Rating | Material with GWFI 850°C, Material with GWIT ≥ 775°C |
| UL Rating | Recognized |
| Agency/Standard | CNR, USR |
| Approved Standards | UL E28476 |
| UL Flammability Rating | UL 94V-0 |
| Glow Wire Rating | GWT 750°C (Without Flame) |

Packaging Features

| | |
|--------------------|------------------|
| Packaging Quantity | 150 |
| Packaging Method | Box & Tray, 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 | 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

TE Part # 2-794617-4
24POS,MICRO MNL,RCPT HSG

TE Part # 1586842-6
6P MICRO MNL ASY,VRT,REV REEL

TE Part # 1586842-2
2P MICRO MNL ASY,VRT,REV REEL

Also in the Series | Micro MATE-N-LOK

Insertion & Extraction Tools(1)

Power Contacts(27)

Rectangular Power Connectors(466)

Customers Also Bought

TE Part #330896
TERMINAL,PIDG R 16-14HD 3/8

TE Part #640457-2
02P MTA100 HDR ASSY SQ R/A F/L

TE Part #1879233-1
SMD Power Resistor: 7 Watt, 0.10-500 Ohm

TE Part #3-794629-8
08P MICRO MNL ASSY,R/A,SMT,LF





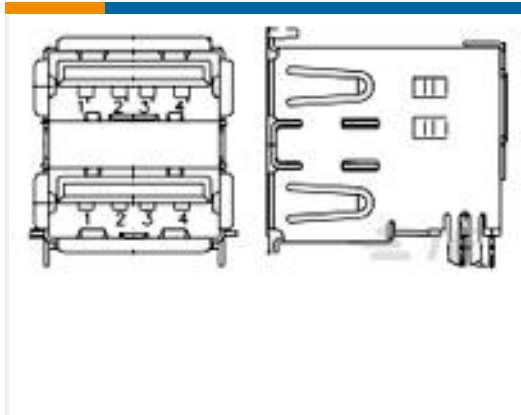
TE Part #1-826658-0
2X10 POS AMPMODU II PIN HEADER



TE Part #5-104363-5
06 MTE HDR SRST LATCH .100CL



TE Part #5-103673-8
9 MTE HDR SRRA LATCH W/HLDWN



TE Part #1734510-2
MINI USB, TYPE B, R/A, T/H



TE Part #7-2176453-3
CPF 0201 32K4 0.1% 25ppm 1K RL

Documents

Product Drawings

24P MICRO MNL ASSY,R/A,SMT,LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-794629-4_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-794629-4_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-794629-4_K.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

MICRO MATE-N-LOK CONNECTOR SYSTEM

English

Product Specifications

Product Specification

English



Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

VDE Certificate

English