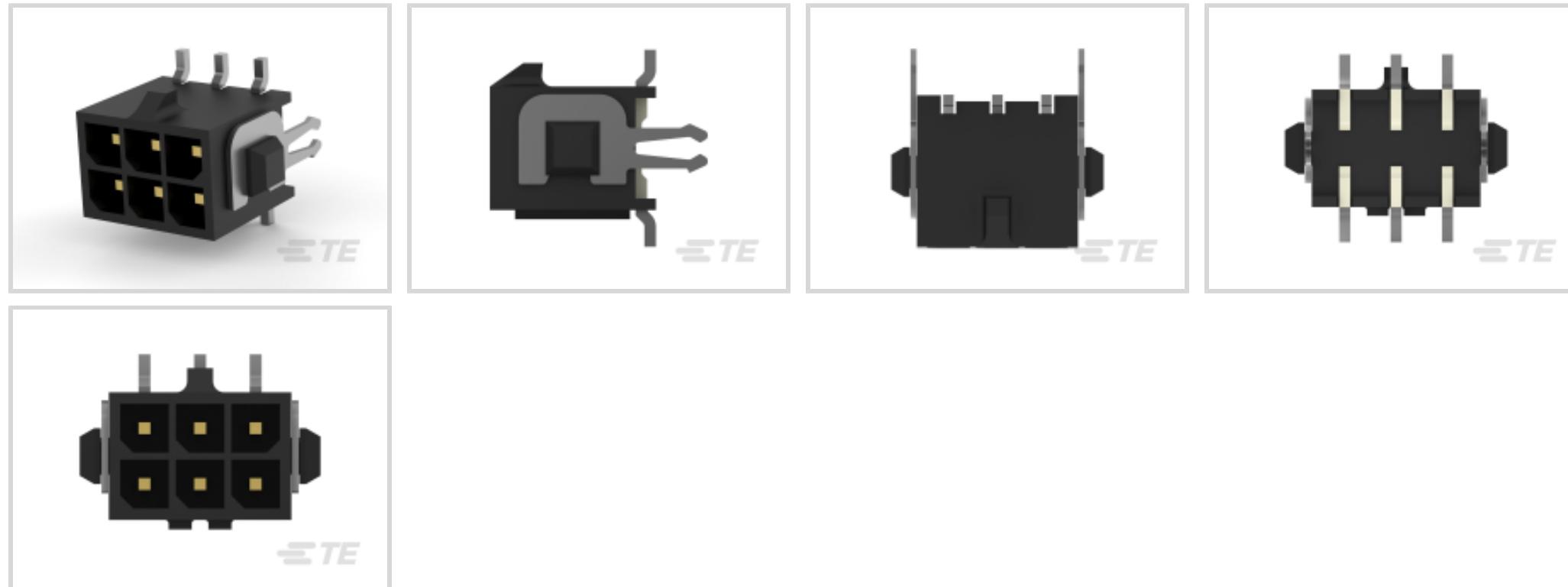


Connectors > PCB Connectors > PCB Headers & Receptacles

Connector System: **Wire-to-Board**Number of Positions: **6**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	6
Number of Columns	3
Number of Loaded Positions	6
Connector Contact Load Condition	Fully Loaded
Number of Positions	6
Number of Rows	2

PCB Mount Orientation

Vertical

Electrical Characteristics

Operating Voltage

250 VAC

Body Features

PCB Retention Feature Material

Phosphor Bronze

PCB Retention Feature Plating Material

Tin

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

.76 μm [30 μin]

PCB Contact Termination Area Plating Material Finish

Matte

Contact Shape & Form

Square

Contact Underplating Material

Nickel

PCB Contact Termination Area Plating Material

Tin

Contact Base Material

Brass

Contact Mating Area Plating Material

Gold

Contact Type

Tab

Contact Current Rating (Max)

5 A

Termination Features

Square Termination Post & Tail Dimension

.64 mm [.025 in]

Termination Method to Printed Circuit Board

Surface Mount

Mechanical Attachment

Mating Alignment Type

Polarization

Mating Retention

With

Panel Mount Feature

Without

PCB Mount Retention Type

Hold-Down

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

13 mm [.512 in]

Connector Height

9.24 mm [.364 in]

Connector Width

6.86 mm [.27 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

175

Packaging Method

Tape

Product ComplianceFor 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

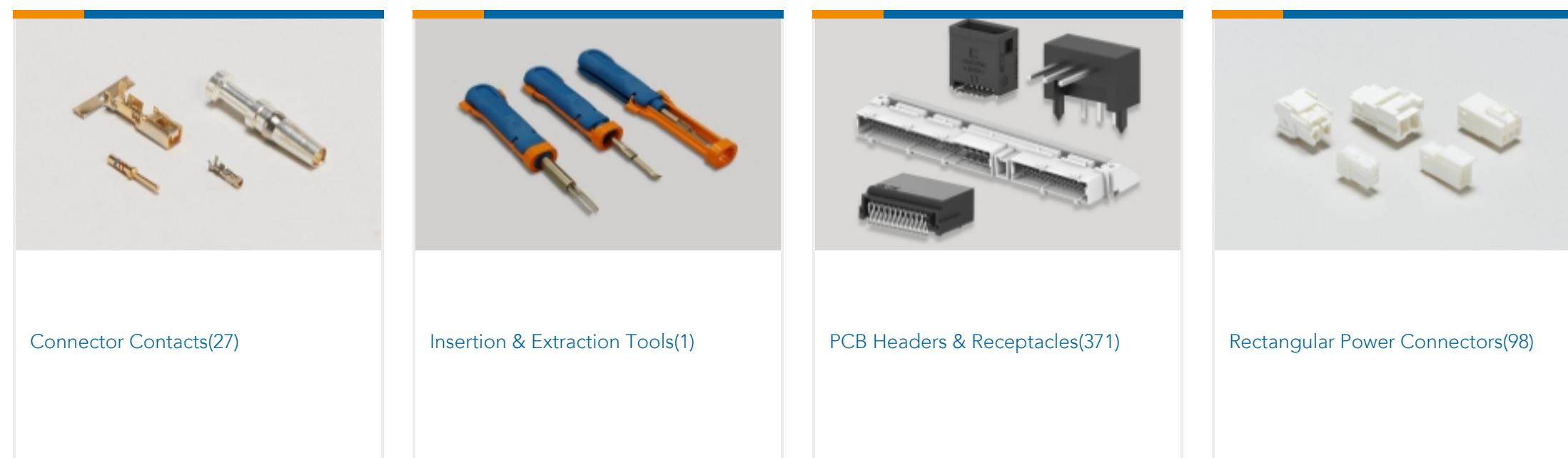
Product Compliance Disclaimer

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



TE Part # 794617-6
6POS,MICRO MNL,RCPT HSG

Also in the Series | [Micro MATE-N-LOK](#)

Customers Also Bought



TE Part # T4140012121-000
M12, REAR MOUNT, MALE, A, 12P,
SOLDER PCB



TE Part # 770673-1
UMNL SOK 30-26 PTPBR L/P



TE Part # 9-2176388-7
RQ 1206 100R 0.1% 10PPM 5K RL



TE Part # 1-2176389-2
RQ 1206 140R 0.1% 10PPM 5K RL



TE Part # 1-2176392-4
RQ 1206 182K 0.1% 10PPM 5K RL



TE Part # 3-2176392-9
RQ 1206 332K 0.1% 10PPM 5K RL



TE Part # 9-2176388-0
RQ 1206 84R5 0.1% 10PPM 5K RL



TE Part # TCX38825102-002
RPC-M12X-8MR-1.0SH-RJ45-8MS-PUR



TE Part # 154720-E
SMCB 68 F AB VV 7-03 CL * H007 137
E002

Documents

Product Drawings

[06P MICRO MNL ASSY,VRT,SMT,LF](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_3-794635-6_K.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-794635-6_K.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-794635-6_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

[Application Specification](#)

English

Agency Approvals

[VDE Certificate](#)

English