



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: **2**

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	2
PCB Mount Orientation	Vertical
Number of Power Positions	2
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC
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Contact Features



Multiple Contact Types	Without
PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Layout	Inline
Contact Mating Area Plating Material	Tin
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	100 µm[2.54 µin]

Termination Features

Termination Method to Printed Circuit Board	Surface Mount
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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	Natural
Housing Material	Nylon

Dimensions

Connector Height	3.86 mm[.149 in]
PCB Thickness (Recommended)	.06 mm[1.57 in]
Product Width	8.11 mm[.319 in]
Product Length	10 mm[.393 in]

Usage Conditions

Operating Temperature Range	-40 - 105 °C[-40 - 221 °F]
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Operation/Application

Shielded	No
Circuit Application	Power

Identification Marking

Circuit Identification Feature	Without
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Industry Standards

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

Packaging Features

Packaging Quantity	215
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: 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

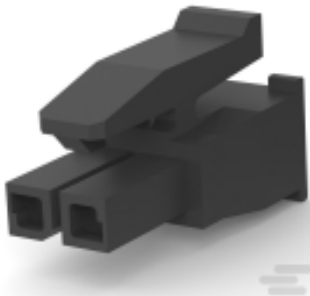
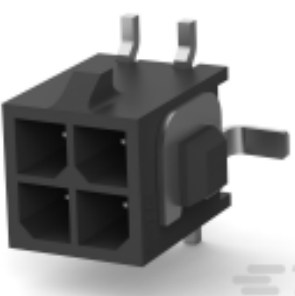
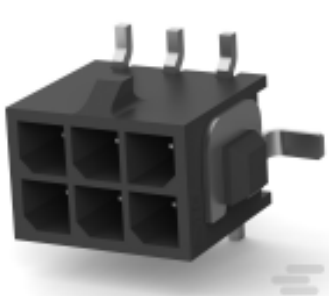
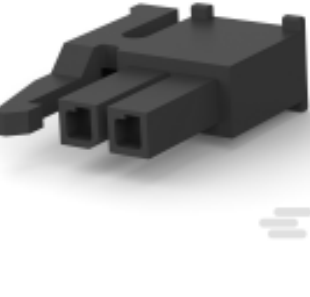
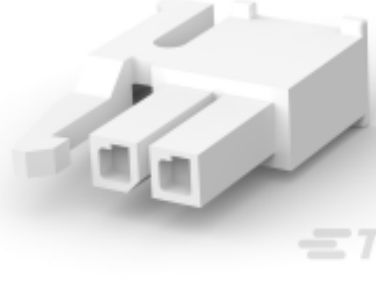
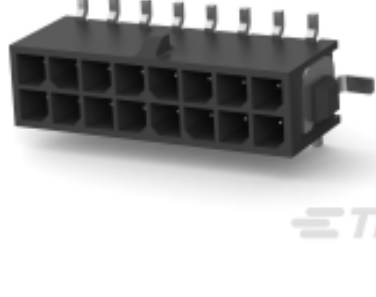
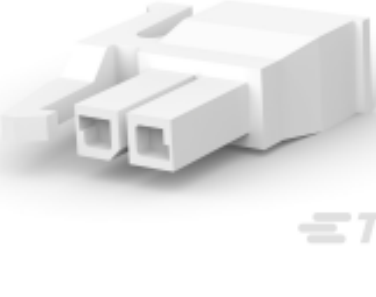
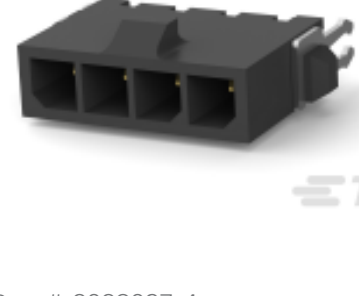
Product Compliance Disclaimer

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 # 2008571-2 2 POS MICRO MNL, TOP LATCH, BL	 TE Part # 1586842-4 4P MICRO MNL ASY,VRT,REV REEL	 TE Part # 1586842-6 6P MICRO MNL ASY,VRT,REV REEL	 TE Part # 1586842-2 2P MICRO MNL ASY,VRT,REV REEL
 TE Part # 2029047-2 2P MICRO MNL RCPT HSG SR SIDE	 TE Part # 2029102-2 2P MICRO MNL RCPT SR SIDE WHT	 TE Part # 2008570-2 2 POS MICRO MNL, SIDE LATCH, B	 TE Part # 1-1586842-6 16P MICRO MNL ASY,VRT,REV REEL
 TE Part # 2-1586842-0 20P MICRO MNL ASY,VRT,REV REEL	 TE Part # 1-2008570-2 2 POS MICRO MNL, SIDE LATCH, N	 TE Part # 1-2008571-2 2 POS MICRO MNL, TOP LATCH, NA	 TE Part # 1-2029037-0 MICRO MNL HDR ASY SR AU LF SPC
 TE Part # 2029037-4 MICRO MNL HDR ASY SR AU LF SPC	 TE Part # 2315752-2 2P, MICRO MNL RCPT HSG SINGLE ROW, V0 GW		

Also in the Series | Micro MATE-N-LOK



Connector Contacts(27)



Insertion & Extraction Tools(1)



Rectangular Power Connectors(469)

Customers Also Bought



TE Part # 2213627-2
ASSEMBLY, ROT DIM REC 49.22MM 7
POS 150C



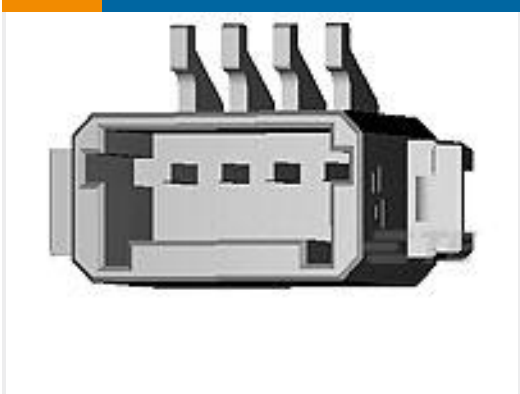
TE Part # 2213362-2
Rcpt Assy,Dimmable Photocontrol,
150C,3/4



TE Part # 2213382-1
LUMAWISE LED HOLDER Z50 LOW
PROFILE 1619



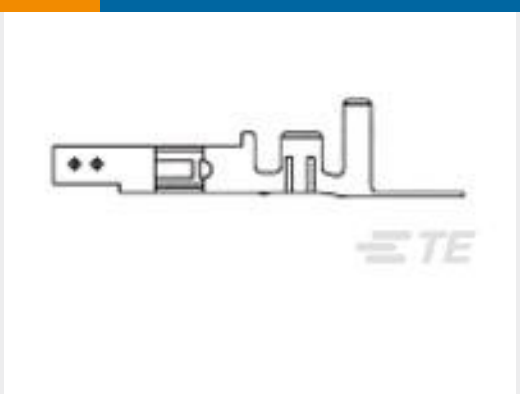
TE Part # 2325807-3
LUMAWISE Z45 LED HOLDER 19X19



TE Part # 2106091-3
4 pos Inverted Thru Board SMT Header



TE Part # 60772-2
RING CRIMP 18-14 AWG TPBR



TE Part # 794956-1
VAL-U-LOK SKT BR SN 22-18AWG



TE Part # 2324697-6
PUSH GRIP CONNECTOR 6P



TE Part # 2150564-1
OCEAN_2.0_Applicator-E-070F-REM

Documents

Product Drawings

2P MICRO MNL 1R RA HDR ASY NAT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2029076-2_B_c-2029076-2-b.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_2029076-2_B_c-2029076-2-b.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2029076-2_B_c-2029076-2-b.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

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

English

Product Specifications

[Application Specification](#)

English