



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: **6**

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	6
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VDC
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Body Features

Cable Exit Angle	180°
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Contact Features

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Contact Layout	Matrix
Contact Current Rating (Max)	5 A
Contact Retention Within Housing	Without
Contact Type	Pin

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Panel Mount Feature	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	3 mm[.118 in]
Housing Color	Black
Housing Material	Nylon 66/6

Dimensions

Product Length	16.89 mm
Wire Size	.051 – .517 mm ²
Row-to-Row Spacing	3 mm[.118 in]

Usage Conditions

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

Circuit Application	Power & Signal
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Identification Marking

Circuit Identification Feature	With
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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, VDE
Compatible With Approved Standards Products	UL E28476, VDE 40005280
UL Flammability Rating	UL 94V-0
Glow Wire Rating	GWT 750°C (Without Flame)

Packaging Features



Packaging Quantity	17000
Packaging Method	Box

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed 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



TE Part # 3-794615-0
10P MICRO MNL PLUG HSG PNL MT DBL RW V0



TE Part # 2315744-4
4P, MICRO MNL,RCPT HSG, DUAL ROW, V0 GW



TE Part # 2315758-2
2P MICRO MNL PLUG HSG PNL MT DBL RW V0 G



TE Part # 2315758-4
4P MICRO MNL PLUG HSG PNL MT DBL RW V0 G





TE Part # 3-794615-6
6P MICRO MNL PLUG HSG PNL MT DBL RW V0 G



TE Part # 3-794615-8
8P MICRO MNL PLUG HSG PNL MT DBL RW V0 G



TE Part # 3-794616-0
10P MICRO MNL PLUG HSG FREE HNG DBL RW



TE Part # 3-794616-8
8P MICRO MNL PLUG FREE HNG DBL RW HSG V0

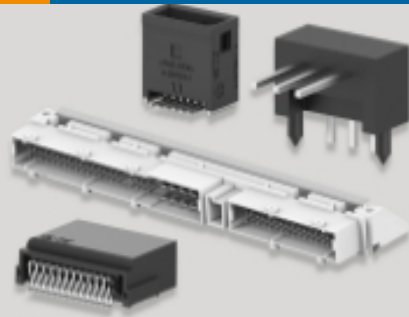
Also in the Series | Micro MATE-N-LOK



Connector Contacts(27)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(371)



Rectangular Power Connectors(98)

Customers Also Bought



TE Part #91391-1
SDE PEW 12MICRO MNL HAND TOOL



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



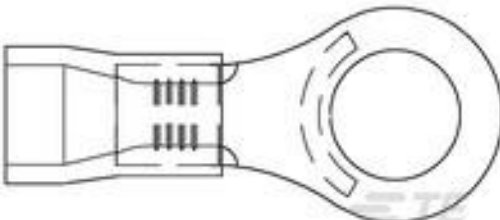
TE Part #794611-1
MICRO MNL RPT CNT,LS PC,TIN



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



TE Part #1-794609-0
PIN CONT 26-30 TIN PLATE STRIP



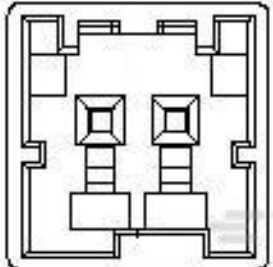
TE Part #130098
TERM PLASTI-GRIP



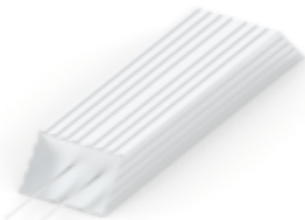
TE Part #2-342143-1
TAPE MOUNTED 16-14 F.E. TERMIN



TE Part #4-2176339-2
CRGCQ 0603 27K 1%



TE Part #1-1903391-2
GIC 2.5 W CAP HSG 2P RED



TE Part #1-2176509-7
CJP 400W 33R 5% Lead



Documents

Product Drawings

6P MICRO MNL PLUG HSG FREE HNG DBL RW V0

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-794616-6_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-794616-6_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-794616-6_D.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

Engineering Report

English

Agency Approvals

UL Report

English