

1-1445049-2 ✓ ACTIVE

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

TE Internal #: 1-1445049-2

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 12
Position, 3 mm [.118 in] Centerline, Wire & Cable, UL 94V-0, Micro
MATE-N-LOK

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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: **12**

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	12
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC
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Contact Features

Multiple Contact Types	Without
Contact Layout	Inline
Contact Retention Within Housing	Without



Contact Type	Pin
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Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Strain Relief	Without
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Mating Alignment Type	Polarization
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Mating Retention	With
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Mating Alignment	With
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Mating Retention Type	Locking Tab
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Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

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

Compatible Insulation Diameter (Max)	1.52 mm
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Connector Height	16.89 mm
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Product Width	3.86 mm
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Product Length	36.85 mm
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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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Industry Standards

CSA Rating	Certified, LR 7189
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UL Rating	Recognized
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Agency/Standard	CNR, USR
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Approved Standards	UL E28476, VDE 40005280
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UL Flammability Rating	UL 94V-0
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Glow Wire Rating	Standard Part - Not Glow Wire
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Packaging Features

Packaging Quantity	500
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: 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	Not applicable 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



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



Insertion & Extraction Tools(1)



Power Contacts(27)

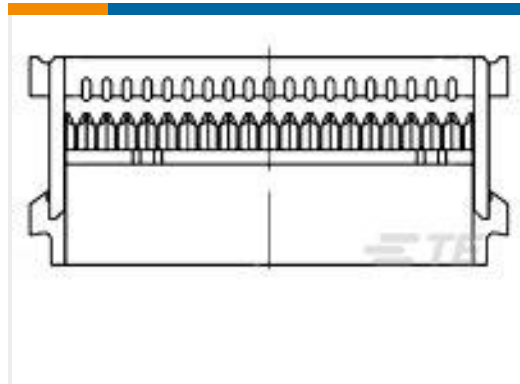


Rectangular Power Connectors(466)

Customers Also Bought



TE Part #6-6609930-8
PE000DHXB=C2382



TE Part #1-1658526-8
609-3430LF FEM SOCKET, LEAD FREE



TE Part #1986711-5
SCREWLESS, SW, 5P, 5.0 PCB



TE Part #1445962-1
CONT, 45A PWR PROD, STRIP, SILVER



TE Part #1589693-1
QCM044PC2DC006B = CIRCULAR



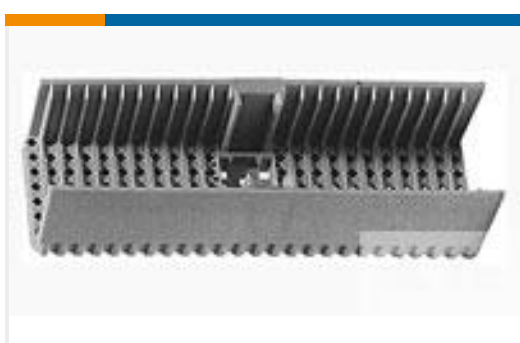
TE Part #1-1445022-2
MICRO MNL RFCEPT HSG SINGLE R



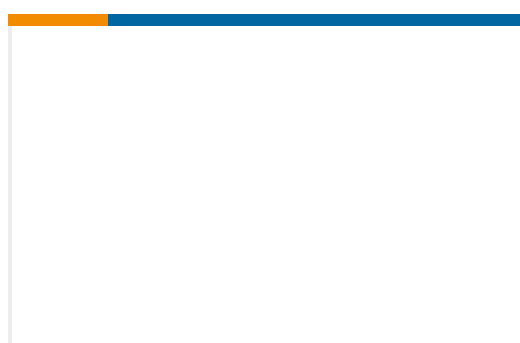
TE Part #1-794616-8
FREE HANG DBL ROW HSG 18 POS



TE Part #2-794616-0
FREE HANG DBL ROW HSG 20 POS



TE Part #646484-5
2MM H.M., A/B-22 SHROUD 4.5MM



TE Part #361511-2
DWP-125-1/8-0-STK

Documents

Product Drawings

[FREE HANG SNGL ROW HSG 12 POS](#)

English

CAD Files

[3D PDF](#)

[3D](#)

Customer View Model

[ENG_CVM_CVM_1-1445049-2_B1.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_1-1445049-2_B1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1445049-2_B1.3d_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

Product Environmental Compliance

[TE Material Declaration](#)

English