

3-794616-8 ✓ ACTIVE

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

TE Internal #: 3-794616-8

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 8
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: **8**

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	8
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VDC
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Contact Features

Contact Layout	Matrix
Contact Current Rating (Max)	5 A
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

Panel Mount Feature	Without
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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	Natural
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Housing Material	Nylon 66
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Cable Exit Angle	Straight
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Dimensions

Wire Size	.051 – .517 mm ²
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Row-to-Row Spacing	3 mm [.118 in]
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Length	16.89 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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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
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UL Flammability Rating	UL 94V-0
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Glow Wire Rating	GWT 750°C (Without Flame)
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UL Rating	Recognized
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Agency/Standard Number	E28476, VDE_40005280
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VDE Tested	Yes
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Agency/Standard	CNR, USR
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Packaging Features

Packaging Method	Box
Packaging Quantity	13000

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 2022 (224) Candidate List Declared Against: JAN 2018 (181) SVHC > Threshold: Not Yet Reviewed
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

 <p>TE Part # 3-794615-0 10P MICRO MNL PLUG HSG PNL MT DBL RW V0</p>	 <p>TE Part # 2315744-2 2P, MICRO MNL, RCPT HSG, DUAL ROW, V0 GW</p>	 <p>TE Part # 2315744-4 4P, MICRO MNL, RCPT HSG, DUAL ROW, V0 GW</p>	 <p>TE Part # 2315758-2 2P MICRO MNL PLUG HSG PNL MT DBL RW V0 G</p>
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TE Part # 2315758-4
4P MICRO MNL PLUG HSG PNL MT
DBL RW V0 G



TE Part # 2315759-2
2P MICRO MNL PLUG HSG FREE
HNG DBL RW V0



TE Part # 2315759-4
4P MICRO MNL PLUG HSG FREE
HNG DBL RW V0



TE Part # 2315785-2
2P MICRO MNL PLUG HSG FREE
HNG SGL RW V0



TE Part # 2315785-3
3P MICRO MNL PLUG HSG FREE
HNG SGL RW V0



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 # 3-794616-6
6P MICRO MNL PLUG HSG FREE
HNG DBL RW V0




TE Part # 3-794617-6
6P, MICRO MNL RCPT HSG, DBL
ROW, GW V0

Also in the Series | **Micro MATE-N-LOK**



Insertion & Extraction Tools(1)



Power Contacts(26)



Rectangular Power Connectors(712)

Documents

Product Drawings

8P MICRO MNL PLUG FREE HNG DBL RW HSG V0

English

CAD Files

3D PDF

3D

Customer View Model



[ENG_CVM_CVM_3-794616-8_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-794616-8_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-794616-8_C.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

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

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English