

1969803-1 ✓ ACTIVE

MATE-N-LOK | Universal MATE-N-LOK

TE Internal #: 1969803-1

TE Internal Description: 03P UMNL PIN HDR ASSY NATL, PIN V0

GW

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Product Type: **Header**

Housing Type: **Receptacle**

Connector System: **Wire-to-Board**

Number of Positions: **4**

Centerline (Pitch): **6.35 mm [.25 in]**

Features

Product Type Features

Product Type	Header
Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Contact Type	Pin

Configuration Features

Number of Positions	4
PCB Mount Orientation	Vertical
Number of Power Positions	3
Number of Rows	1

Contact Features

Contact Current Rating (Max)	12 A
Contact Retention	Without

Contact Termination Area Plating Material	Pre-Tin
Contact Mating Area Plating Material	Pre-Tin
Contact Mating Area Plating Material Thickness	3.81 – 5.08 μm [150 – 200 μin]

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

Connector Mounting Type	Board Mount
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Housing Features

Centerline (Pitch)	6.35 mm[.25 in]
UL Flammability Rating	UL 94V-0
Housing Color	Natural
Housing Material	Nylon

Usage Conditions

Operating Temperature Range	-55 – 105 $^{\circ}\text{C}$ [-67 – 221 $^{\circ}\text{F}$]
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Operation/Application

Circuit Application	Power
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Identification Marking

Circuit Identification Feature	With
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Industry Standards

Glow Wire Rating	GWT 750 $^{\circ}\text{C}$ (Without Flame)
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Packaging Features

Packaging Method	Box
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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: JUL 2019 (201) Candidate List Declared Against: JUL 2019 (201) Does not contain REACH SVHC

EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2019 (201) Candidate List Declared Against: JUL 2019 (201)
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.

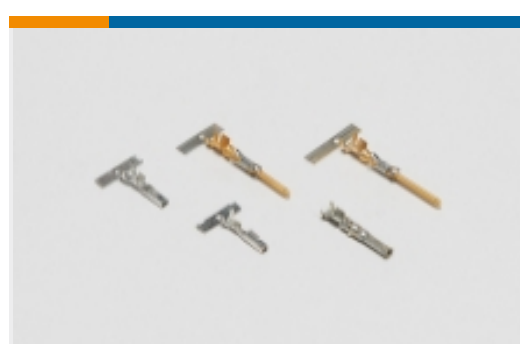
Also in the Series | Universal MATE-N-LOK



Circular Power Connectors(2)



Connector Contacts(11)



Power Contacts(208)



Rectangular Boots & Strain Relief(35)



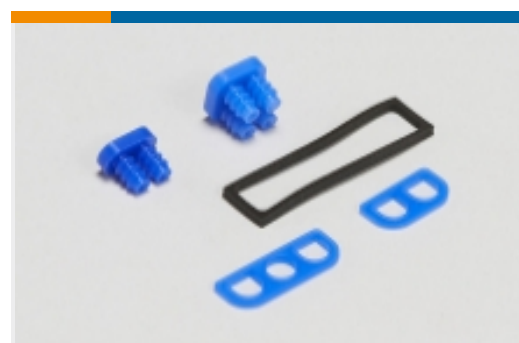
Rectangular Connector Adapters(7)



Rectangular Connector Housings(3)



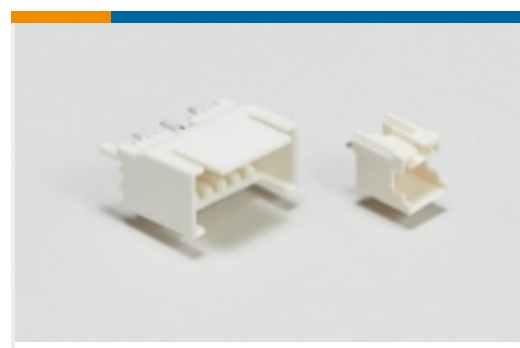
Rectangular Connector Keying Plugs(3)



Rectangular Connector Seals(26)



Rectangular Power Connectors(717)

Wire-to-Board Headers & Receptacles
(3)

Customers Also Bought

TE Model / Part #5749264-1
Mini DIN, 4 pos, R/A, ShieldTE Model / Part #1969807-1
04P UMNL PIN HDR ASSY, PIN V0 GWTE Model / Part #1969814-1
06P UMNL PIN HDR ASSY, PIN V0 GWTE Model / Part #4-1601046-1
031-101-000=WIRE2WIRE,STD,SMZTE Model / Part #1744439-3
EP2.5 Shrd HDR ASSY 3P VERT, GWTE Model / Part #1969589-8
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5TE Model / Part #1969800-1
03P UMNL HDR ASSY, SCKT V0 GWTE Model / Part #2-1879023-4
3650 1008 0.30uH 5% 2K RLTE Model / Part #5-103323-4
04 MODII HDR SRRA B/A .100CL LFTE Model / Part #6-1375870-0
RCPT ASSY,24 POS,VERT,0.8MM MI

Documents

Product Drawings

[03P UMNL PIN HDR ASSY NATL, PIN V0 GW](#)

English

CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG_CVM_CVM_1969803-1_A.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_1969803-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1969803-1_A.3d_stp.zip](#)

English

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