

1969812-1 ✓ ACTIVE

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

TE Internal #: 1969812-1

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 6
Position, 6.35 mm [.25 in] Centerline, Printed Circuit Board,
Universal MATE-N-LOK

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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: **6**

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

Features

Product Type Features

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	6
PCB Mount Orientation	Right Angle
Number of Power Positions	6
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Contact Current Rating (Max)	12 A
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Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	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]
Housing Color	Natural
Housing Material	Nylon

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °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

UL Flammability Rating	UL 94V-0
Glow Wire Rating	GWT 750°C (Without Flame)

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: JUNE 2022 (224)



Candidate List Declared Against: JUNE 2022 (224)

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 # 643234-1
06P UMNL HDR ASSY R/A 94VO



TE Part # 1-350942-0
02P UMNL HDR ASSY R/A 94VO



TE Part # 640583-1
06P UMNL HDR ASSY R/A 94VO



TE Part # 1-350945-0
05P UMNL HDR ASSY R/A 94VO



TE Part # 1969815-1
08P UMNL HDR ASSY R/A, PIN V0 GW



TE Part # 1969798-1
02P UMNL PIN HDR ASSY NATL, PIN V0 GW



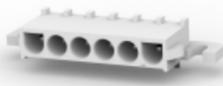
TE Part # 1586893-3
03P UMNL HDR ASSY R/A, GW



TE Part # 1969813-1
06P UMNL HDR ASSY R/A, SCKT V0 GW



TE Part # 1969808-1
05P UMNL HDR ASSY R/A, PIN V0 GW



TE Part # 1586936-1
06P UMNL HDR ASSY R/A, GW



TE Part # 1969796-1
02P UMNL HDR ASSY R/A, PIN V0 GW

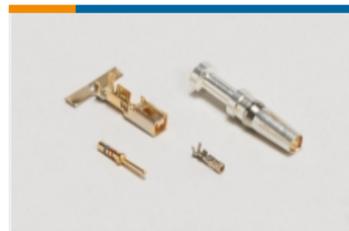


TE Part # 643253-1
06P UMNL ASSY MOD HSG V0

Also in the Series | Universal MATE-N-LOK



Circular Power Connectors(2)



Connector Contacts(11)



Insertion & Extraction Tools(4)



Power Contacts(207)



Rectangular Boots & Strain Relief(35)



Rectangular Connector Adapters(7)



Rectangular Connector Hardware(1)



Rectangular Connector Housings(2)



Rectangular Connector Keying Plugs(3)



Rectangular Connector Locking(4)



Rectangular Connector Seals(26)



Rectangular Power Connectors(728)

Documents

CAD Files

[3D PDF](#)

[3D](#)

Customer View Model

[ENG_CVM_CVM_1969812-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1969812-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1969812-1_A.3d_stp.zip](#)

English

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Agency Approvals

[VDE Certificate](#)

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English