

643226-1 ✓ ACTIVE

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

TE Internal #: 643226-1

Header, Receptacle, Wire-to-Board, 2 Position, 6.35 mm [.25 in]

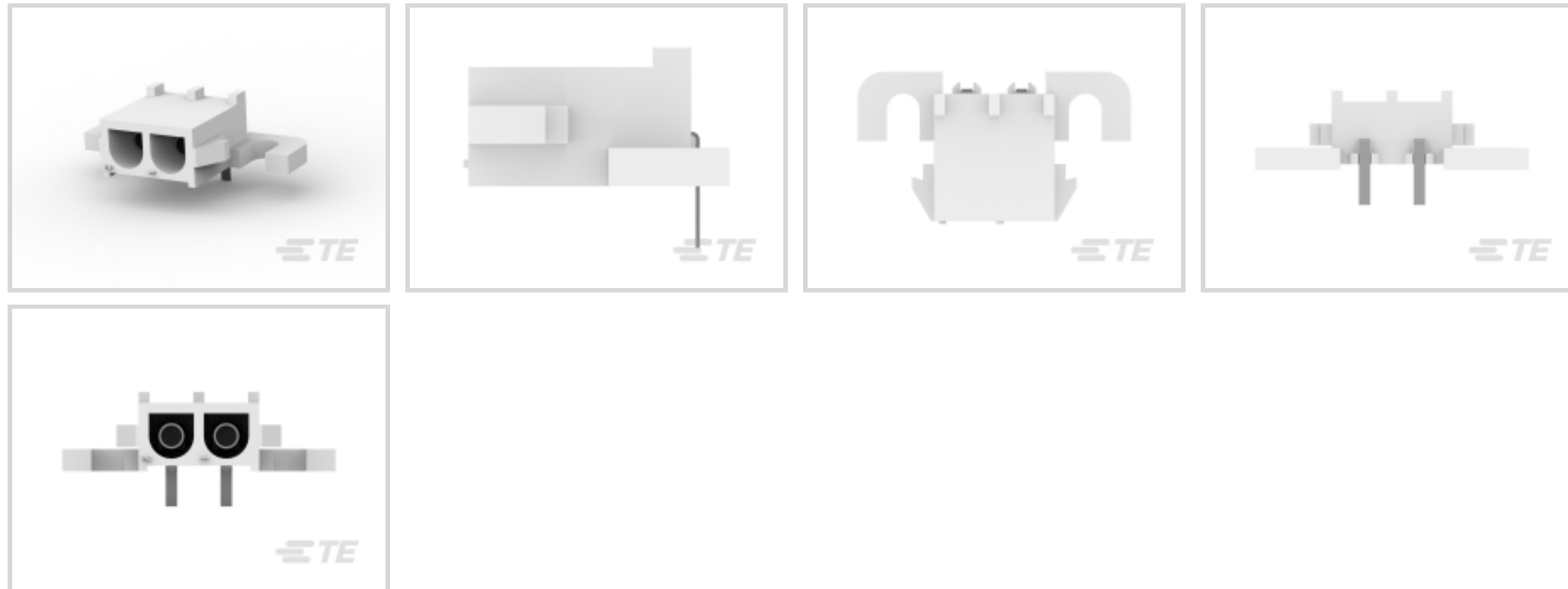
Centerline, Printed Circuit Board, Universal MATE-N-LOK,

Rectangular Power Connectors

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **2**

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

Features

Product Type Features

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

Configuration Features

Number of Positions	2
PCB Mount Orientation	Right Angle
Number of Power Positions	2
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Multiple Contact Types	Without
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Contact Layout	Inline
Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	12 A
Contact Retention Within Housing	Without
Contact Type	Socket
PCB Contact Termination Area Plating Material	Pre-Tin
Contact Mating Area Plating Material Thickness	3.81 – 5.08 μm [150 – 200 μin]

Termination Features

Termination Post & Tail Length	3.7 mm[.146 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Polarization
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole
Mating Retention Type	Positive Lock
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	6.35 mm[.25 in]
Housing Color	Natural
Housing Material	Nylon

Dimensions

PCB Thickness (Recommended)	3.18 mm[.125 in]
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Usage Conditions

Operating Temperature Range	-40 – 105 $^{\circ}\text{C}$ [-40 – 221 $^{\circ}\text{F}$]
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Operation/Application

Circuit Application	Power
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Industry Standards



CSA Rating	Certified, LR 7189
UL Rating	Recognized
Compatible With Agency/Standards Products	CSA, UL, VDE
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	280
Packaging Method	Bag

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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°C

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



 <p>TE Part # 640713-1 02P UMNL STR/REL & INSERT</p>	 <p>TE Part # 1-350589-0 STR/REL CLAMP NATL</p>	 <p>TE Part # 350811-1 STR/REL CLAMP</p>	 <p>TE Part # 640713-2 02P UMNL STR/RELIEVE</p>
 <p>TE Part # 350777-1 02P UMNL PLUG HSG</p>	 <p>TE Part # 770017-1 02P UMNLII IN-LNE PLUG HSG KIT</p>	 <p>TE Part # 794269-1 02P UMNL INTERFACE SEAL</p>	 <p>TE Part # 794815-1 02P UMNL CAP HSG,HI TEMP</p>
 <p>TE Part # 1703062-1 CAP, 2 CIRCUIT , UNIVERSAL MATE-N-LOK</p>	 <p>TE Part # 794991-1 02P UMNL BLACK INTERFACE SEAL</p>	 <p>TE Part # 1586856-1 02P UMNL CAP HSG, GW</p>	 <p>TE Part # 350848-2 02P UMNL PLUG TEST ASSY 94VO</p>
 <p>TE Part # 1-640719-1 02P UMNL STR/REL NATL</p>	 <p>TE Part # 794270-1 02P UMNL WIRE SEAL</p>	 <p>TE Part # 1586892-3 03P UMNL HDR ASSY R/A, GW V0</p>	 <p>TE Part # 1-640719-0 02P UMNL STR/REL & INSRT NATL</p>
 <p>TE Part # 1969795-1 02P UMNL HDR ASSY SCKT V0 GW</p>	 <p>TE Part # 643250-1 02P UMNL ASSY MOD HSG V0</p>	 <p>TE Part # 1703062-2 CAP, 2 CIRCUIT , UNIVERSAL MATE-N-LOK</p>	 <p>TE Part # 1703062-3 CAP, 2 CIRCUIT , UNIVERSAL MATE-N-LOK</p>

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



Circular Power Connectors(2)



Connector Caps & Covers(34)



Connector Contacts(209)



Connector Hardware(12)



Connector Seals & Cavity Plugs(27)



Connector Strain Relief(7)



Insertion & Extraction Tools(4)



Rectangular Connector Housings(1)

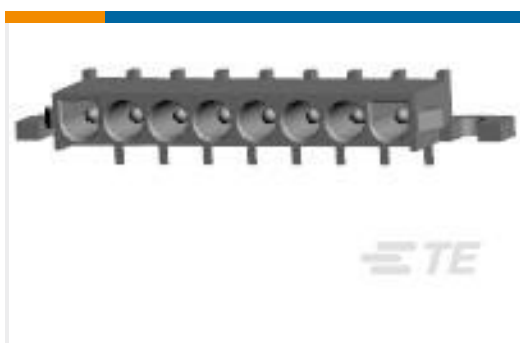


Rectangular Power Connectors(670)



Standard Circular Connectors(1)

Customers Also Bought



TE Part #640584-1
08P UMNL HDR ASSY R/A 94VO



TE Part #641973-1
12P UMNL PIN HDR ASSY V2 NATL



TE Part #641970-1
06P UMNL PIN HDR ASSY 94VO



TE Part #292303-1
Std USB Type A, R/A, T/H



TE Part #641967-1
04P UMNL PIN HDR ASSY POL NATL



TE Part #178488-1
UP 3.96 5P TAB HDR NAT TYPE 1



TE Part #217212-1
PRO-CR ASSY, CES



TE Part #6364999-2
CONN ASSY 31 DUAL POS

Documents



Product Drawings

02P UMNL HDR ASSY R/A 94VO

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_643226-1_F.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_643226-1_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_643226-1_F.3d_stp.zip](#)

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3D PDF

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Customer View Model

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Customer View Model

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Customer View Model

[ENG_CVM_643226-1_B.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL

English