

1-641964-1 ✓ ACTIVE

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

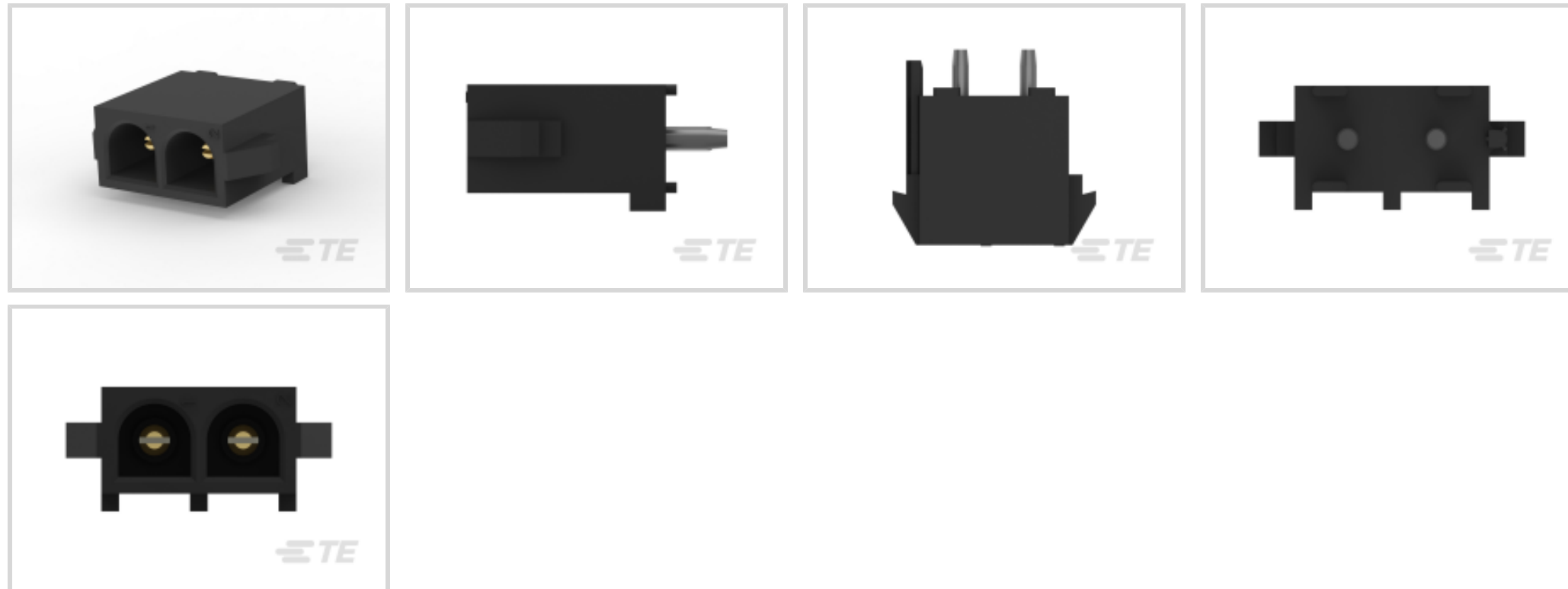
TE Internal #: 1-641964-1

Rectangular Power Connectors, Header, Receptacle, Wire-to-Board, 2 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: **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	Vertical
Number of Power Positions	2
Number of Signal Positions	0
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features



Multiple Contact Types	Without
PCB Contact Termination Area Plating Material Thickness	.762 μm [30 μin]
Contact Layout	Inline
Contact Mating Area Plating Material	Pre-Tin
Contact Current Rating (Max)	12 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material Thickness	.76 – .91 μm [30 – 36 μin]

Termination Features

Termination Post & Tail Length	3.56 mm[.14 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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

Housing Features

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

Dimensions

PCB Thickness (Recommended)	.06 mm[1.57 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
Agency/Standard	CSA, UL, VDE
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	100
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 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	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



TE Part # 350777-1
02P UMNL PLUG HSG



TE Part # 2029000-1
02P UMNL HDR SHRT TAIL, NDH



TE Part # 1586856-1
02P UMNL CAP HSG, GW



TE Part # 1586161-1
02P UMNL HDR 94VO NDH



TE Part # 770017-1
02P UMNLII IN-LNE PLUG HSG KIT



TE Part # 1586866-1
02P UMNL HDR ASSY V2, GW



TE Part # 1586953-1
02P UMNL PIN HDR ASSY NATL, GW



TE Part # 794815-1
02P UMNL CAP HSG,HI TEMP



TE Part # 1703062-1
CAP, 2 CIRCUIT , UNIVERSAL MATE-N-LOK



TE Part # 350848-2
02P UMNL PLUG TEST ASSY 94VO



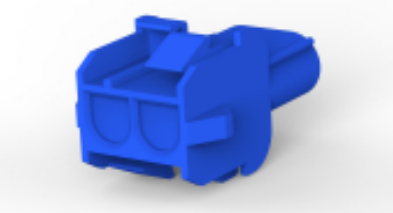
TE Part # 194234-1
HDR ASSY,MNL,4 POS,LUBRICATED



TE Part # 643250-1
02P UMNL ASSY MOD HSG V0



TE Part # 1586137-1
02P UMNL PIN HDR POL NAT NDH



TE Part # 1703062-2
CAP, 2 CIRCUIT , UNIVERSAL MATE-N-LOK



TE Part # 1703062-3
CAP, 2 CIRCUIT , UNIVERSAL MATE-N-LOK



TE Part # 1969829-1
06P UMNL SOK HDR Hsg 94VO GW



TE Part # 2-480699-0
02P UMNL CAP HSG NATL



TE Part # 641968-4
4P UMNL PIN HDR POL VO, AU, LF



TE Part # 2178649-1
2P UMNL CAP HSG, GW



TE Part # 2178649-2
2P UMNL CAP HSG, GW

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)

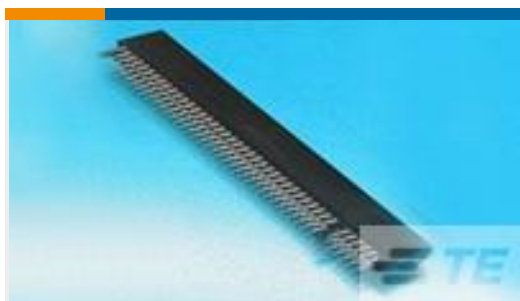


Rectangular Connector Housings(1)

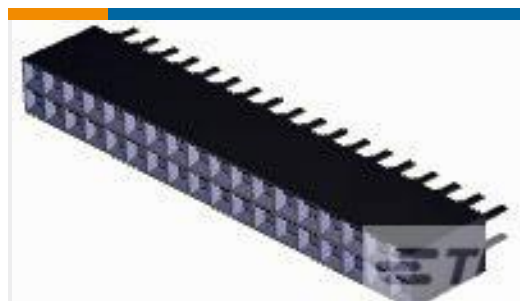


Rectangular Power Connectors(672)

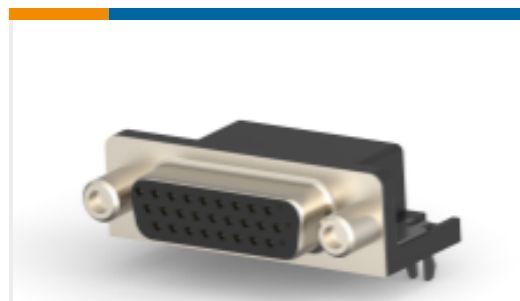
Customers Also Bought



TE Part #5-5530843-0
CONN SEC II 10 POS 100C/L



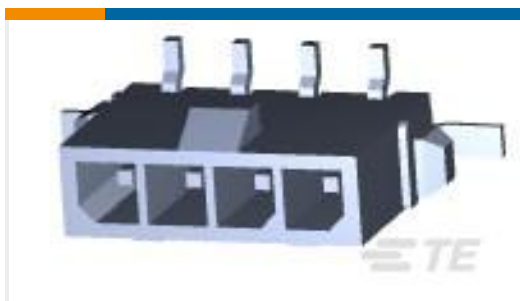
TE Part #6-534206-8
36 MODII VRT DR CE 100/115



TE Part #2311768-2
AMPL REC, HD22, R/A, 26P, S/L



TE Part #5558178-1
MJ,R/A,SMT,8P,PCB GRD,PNL STOP



TE Part #2-1445096-4
MICRO MNL HDR ASSY SINGLE ROW



TE Part #641968-1
04P UMNL PIN HDR ASSY POL 94VO



TE Part #643412-1
02P UMNL HDR ASSY POL 94VO



TE Part #1-1614959-7
CPF0805 1M05 0.1% 25PPM 1K RL

Documents



Product Drawings

02P UMNL HDR ASSY POL BLK

English

CAD Files

Customer View Model

[ENG_CVM_1-641964-1_P.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_1-641964-1_P.2d_dxf.zip](#)

English

3D PDF

English

Customer View Model

[ENG_CVM_1-641964-1_P.3d_igs.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-641964-1_H.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-641964-1_H.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-641964-1_H.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY

English

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English

Instruction Sheets

Instruction Sheet (U.S.)

English