

1586163-1 ✓ ACTIVE

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

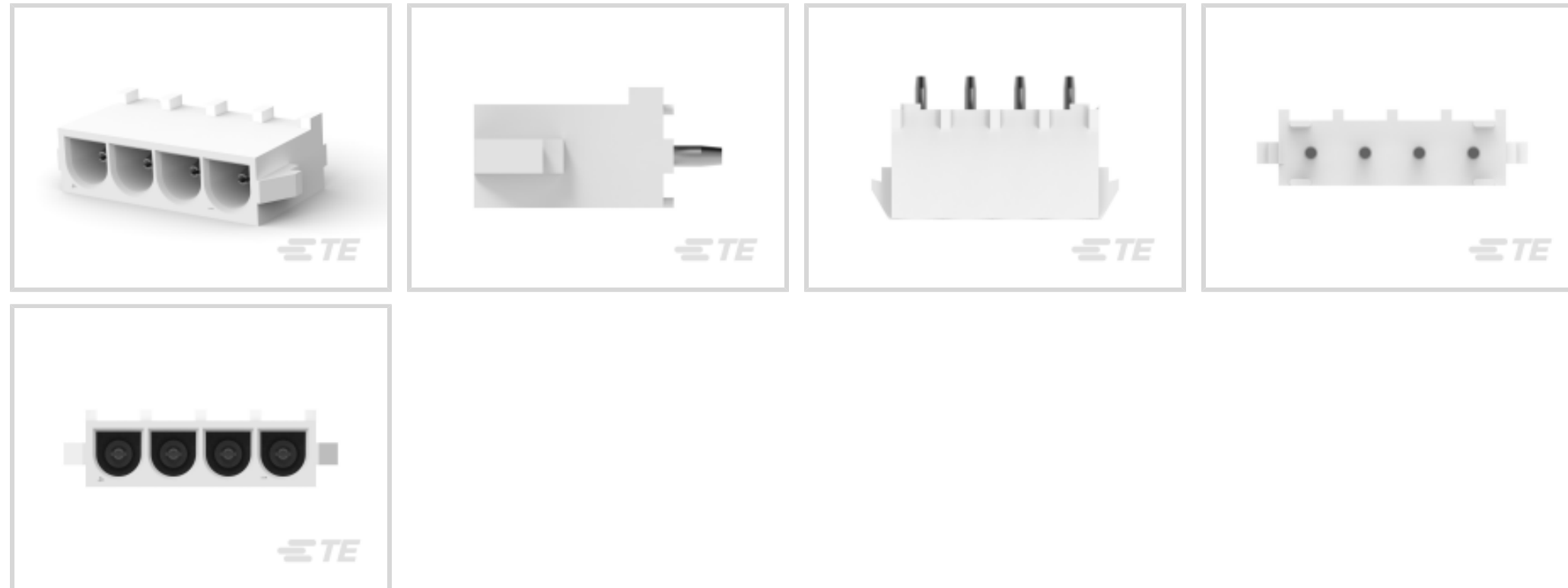
TE Internal #: 1586163-1

Universal MATE-N-LOK, Rectangular Power Connectors, Header, Receptacle, Wire-to-Board, 4 Position, 6.35mm [.25in] Centerline, Printed Circuit Board

[View on TE.com >](#)



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: **4**

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

Features

Product Type Features

Header Type	Shrouded
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	4
PCB Mount Orientation	Vertical
Number of Power Positions	4
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
-------------------	---------

Contact Features



Contact Layout	Inline
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	12 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Pre-Tin
Contact Mating Area Plating Material	Pre-Tin
Contact Mating Area Plating Material Thickness	1.27 – 1.77 μm [50 – 70 μin]

Termination Features

Termination Post & Tail Length	4.44 mm[.174 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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

Housing Features

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

Dimensions

Height	13.97 mm[.549 in]
PCB Thickness (Recommended)	.061 mm[1.57 in]
Length	26.67 mm
Width	7.62 mm[.3 in]

Usage Conditions

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



Operation/Application

Circuit Application	Power
---------------------	-------

Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Method	Bag
Packaging Quantity	100

Other

For Use With	Plug Housing
--------------	--------------

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: JUN 2020 (209) Candidate List Declared Against: JAN 2020 (205) 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 Model / Part # 2-480703-0
04P UMNL CAP HSG NATL



TE Model / Part # 1-480703-1
04P UMNL CAP HSG BRN



TE Model / Part # 794707-1
04P UMNL CAP HSG, BLACK



TE Model / Part # 1-350948-0
04P UMNL HDR ASSY R/A V2 NATL



TE Model / Part # 926305-6
UNML4WAY CAP



TE Model / Part # 1-480703-9
04P UMNL CAP HSG BLK



TE Model / Part # 1586845-1
04P UMNL CAP HSG NATL, GW



TE Model / Part # 1-480703-0
04P UMNL CAP HSG NATL



TE Model / Part # 1-350780-9
04P UMNL V0 CAP HSG BLACK



TE Model / Part # 1-480703-2
04P UMNL CAP HSG RED



TE Model / Part # 1-480703-4
04P UMNL CAP HSG YELL



TE Model / Part # 1-480703-5
04P UMNL CAP HSG GRN



TE Model / Part # 643252-1
04P UMNL ASSY MOD HSG V0



TE Model / Part # 1-350780-5
04P UMNL V0 CAP HSG GREEN



TE Model / Part # 1-480703-3
04P UMNL CAP HSG ORNG



TE Model / Part # 926305-1
4P UNIV M-N-L CAP



TE Model / Part # 926305-5
UMNL AUFNAHM-GEH 4P

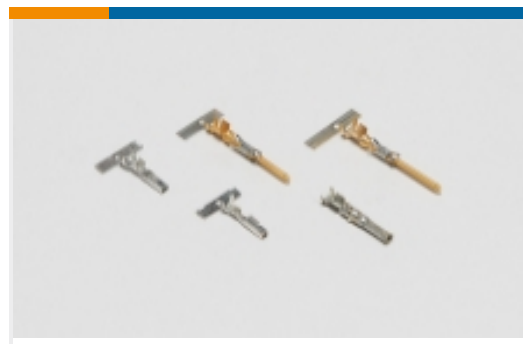
Also in the Series | **Universal MATE-N-LOK**



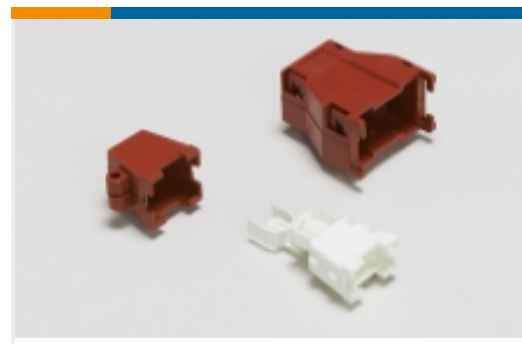
Circular Power Connectors(2)



Connector Contacts(11)



Power Contacts(207)



Rectangular Boots & Strain Relief(35)



Rectangular Connector Adapters(7)



Rectangular Connector Housings(3)



Rectangular Connector Keying Plugs(3)



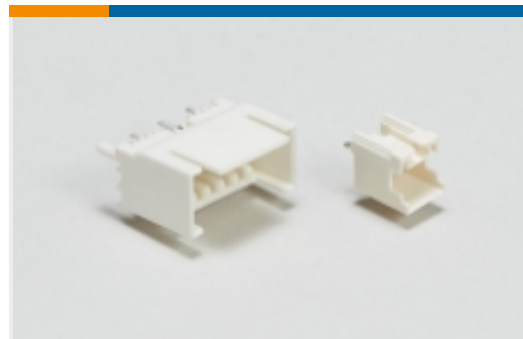
Rectangular Connector Locking(4)



Rectangular Connector Seals(26)



Rectangular Power Connectors(716)

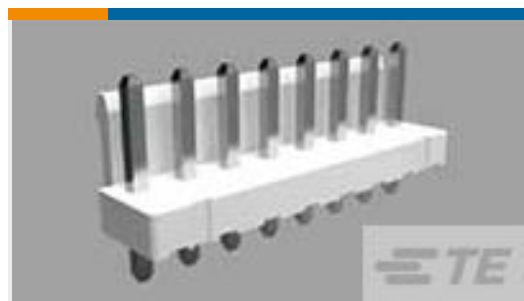


Wire-to-Board Headers & Receptacles (3)

Customers Also Bought



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



TE Model / Part #1744037-9
09P EC PWR.200 CL HDR ASSY VRT



TE Model / Part #1586162-1
03P UMNL PIN HDR 94VO NDH



TE Model / Part #2825072-1
UMNL PIN 24-18 .0126 PTPBR



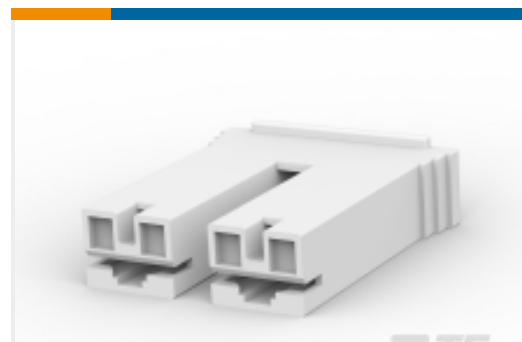
TE Model / Part #5-1971846-2
2P, RAST 5 Tab Header, THV



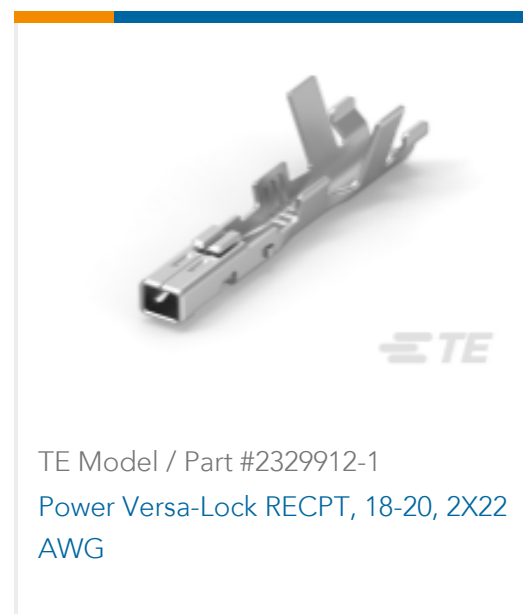
TE Model / Part #4-1971846-2
2P, RAST 5 Tab Header, THV



TE Model / Part #1-2336229-6
Power Versa-Lock PLUG, 2X3 KEY A



TE Model / Part #3-1969453-1
HSG,RECP,POSI-LOCK&STD FAST250



Documents

Product Drawings

[04P UMML PIN HDR 94VO NDH](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1586163-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1586163-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1586163-1_A.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

[Product Specification](#)

English

Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English

Agency Approvals

[UL Report](#)

English