1586872-1 ✔ ACTIVE

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

TE Internal #: 1586872-1

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

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

Multiple Contact Types	Without
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	Pre-Tin
Contact Mating Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]

Termination Features

Termination Post & Tail Length	3.94 mm[.155 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	Positive Lock

Housing Features

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

Dimensions

PCB Thickness (Recommended)	.06 mm[1.57 in]

Usage Conditions

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

Operation/Application

Assembly Integration Feature	Without
Circuit Application	Power

Industry Standards

UL Flammability Rating	UL 94V-2
Glow Wire Rating	GWT 750°C (Without Flame)
Agency/Standard Number	E28476
Agency/Standard	UL
UL Rating	Recognized
VDE Tested	Yes

Packaging Features

Packaging Method	Bag
Packaging Quantity	100

Other

For Use With	Mates with Plug Housing (Using Pin Contacts)

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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # 1-480703-9
04P UMNL CAP HSG BLK



TE Part # 643415-1
04P UMNL HDR ASSY POL



TE Part # 350759-4
02P UMNL HDR ASSY PC V2 NATL



TE Part # 2029361-1
05P UMNL SOC HDR V2 NATL NDH



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



TE Part # 1586086-1
04P UMNL PIN HDR ASSY W/O DRNS



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



TE Part # 926305-6
UNML4WAY CAP



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



TE Part # 350584-1
04P UMNL PIN HDR ASSY V2 NATL



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



TE Part # 2-480703-0
04P UMNL CAP HSG NATL



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



TE Part # 1586968-1
05P UMNL PIN HDR ASSY V2, GW



TE Part # 1586958-1
03P UMNL PIN HDR ASSY NATL, GW



TE Part # 350988-4
04P UMNL HDR ASSY LNG/TL



TE Part # 1969804-1
04P UMNL HDR ASSY, SCKT V0 GW



TE Part # 1586963-1
04P UMNL PIN HDR ASSY, GW



TE Part # 350760-4
03P UMNL HDR ASSY PC



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

Also in the Series | Universal MATE-N-LOK



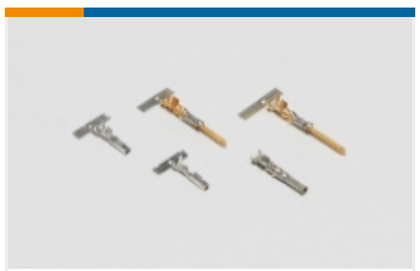
Circular Power Connectors(2)



Connector Contacts(11)



Insertion & Extraction Tools(4)



Power Contacts(207)



Rectangular Boots & Strain Relief(35)



Rectangular Connector Adapters(7)



Rectangular Connector Housings(2)



Rectangular Connector Keying Plugs(3)



Rectangular Connector Locking(4)



Rectangular Connector Seals(26)



Rectangular Power Connectors(725)

Customers Also Bought



TE Part #194010-1
PIN ASSY..070



TE Part #1586968-1
05P UMNL PIN HDR ASSY V2, GW



TE Part #1586958-1
03P UMNL PIN HDR ASSY NATL, GW



TE Part #2-1623773-7
C10 47R 5% (LOOSE)



TE Part #1622826-5
CRG0402 5% 10R



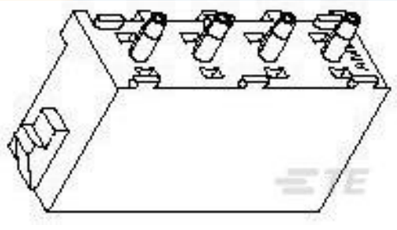
TE Part #1-215570-4
PADDLE BOARD CONNECTOR



TE Part #TAD14741111-002
Ethernet, Profinet M12 D-Code 4p PVC DE



TE Part #2-1393789-4
AXICOM P2 STANDARD



TE Part #1586963-1
04P UMNL PIN HDR ASSY, GW



TE Part #1586869-1
03P UMNL HDR ASSY, GW

Documents

Product Drawings

04P UMNL HDR ASSY, GW

English

CAD Files

Customer View Model

ENG_CVM_1586872-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_1586872-1_A.3d_stp.zip

English

Customer View Model

ENG_CVM_1586872-1_A.2d_dxf.zip

English

3D PDF

English

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VDE Certificate

English