2029000-1 ✔ ACTIVE

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

TE Internal #: 2029000-1

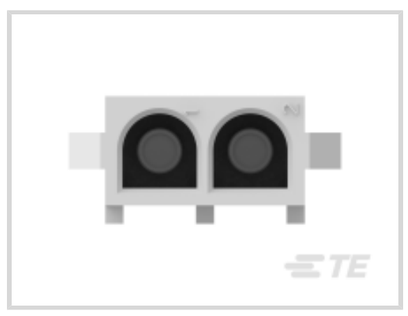
Rectangular Power Connectors, Header, Receptacle, Wire-to-Board, 2 Position, 6.35 mm [.25 in] Centerline, Printed Circuit Board, Universal MATE-N-LOK

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: **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 Rows	1

Electrical Characteristics

Operating Voltage	600 VAC

Contact Features

Multiple Contact Types	Without

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 Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

	.03 - .09 in

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-2
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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 # 1-350778-9
02P UMNL V0 CAP HSG BLACK



TE Part # 350428-1
02P UMNL PIN HDR ASSY NATL



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



TE Part # 1-480699-9
02P UMNL CAP HSG BLK



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



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



TE Part # 1-480699-0
02P UMNL CAP HSG NATL



TE Part # 643411-1
02P UMNL HDR ASSY POL



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



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



TE Part # 1-641964-1
02P UMNL HDR ASSY POL BLK



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



TE Part # 1-480699-5
02P UMNL CAP HSG GRN



TE Part # 1-350778-2
02P UMNL V0 CAP HSG RED



TE Part # 1-480699-1
02P UMNL CAP HSG BRN



TE Part # 1-480699-8
02P UMNL CAP HSG GRY



TE Part # 1-350778-1
02P UMNL V0 CAP HSG BROWN



TE Part # 1-350778-3
02P UMNL V0 CAP HSG ORANGE



TE Part # 350582-1
02P UMNL PIN HDR ASSY V2 NATL

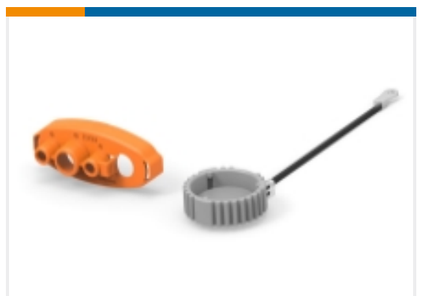


TE Part # 1586866-1
02P UMNL HDR ASSY V2, GW

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)



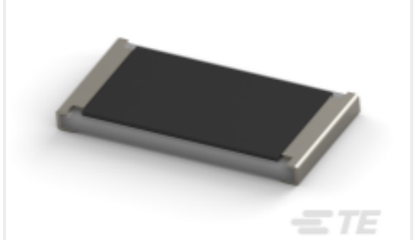
Rectangular Power Connectors(671)



Standard Circular Connectors(1)

Customers Also Bought

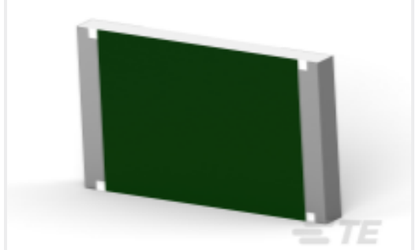
TE Part # 440054-2
2.0MM,HDR,2POS,VERTICAL



TE Part # 2176070-5
SMD Power Resistor: 2 Watt, 3521 Series

TE Part # 5227755-2
BNC SOLDER RECEPT JACK SHORT

TE Part # 3-2176399-6
3502 220K 5%



TE Part # 2-2176406-0
3560 6R2 1%



TE Part # 4-2176337-9
CRGCQ 0402 100K 1%



TE Part # 5-6609107-3
PS0SXDSXA=C1110



TE Part # 2029001-1
04P UMNL HDR ASSY PC, NDH

TE Part # 28053-2
PLUNGER,SPRING

Documents

Product Drawings

02P UMNL HDR SHRT TAIL, NDH

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_2029000-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_2029000-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_2029000-1_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof use.

Product Specifications

Application Specification

English