1-794075-0 ✔ ACTIVE

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

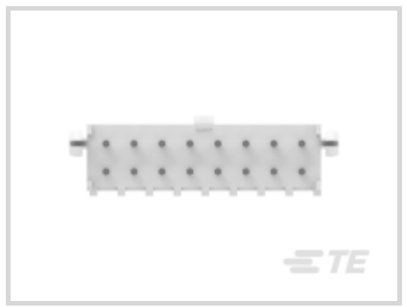
TE Internal #: 1-794075-0

Mini-Universal MATE-N-LOK, Rectangular Power Connectors, Header, Plug, Wire-to-Board, 16 Position, 4.14mm [.162in] Centerline, Printed Circuit Board

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors




Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **16**

Centerline (Pitch): **4.14 mm [.162 in]**

Features

Product Type Features

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

Configuration Features

Number of Positions	16
PCB Mount Orientation	Vertical
Number of Power Positions	16
Number of Signal Positions	0
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VDC

Contact Features

Multiple Contact Types	Without
Contact Current Rating (Max)	9.5 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	3.81 – 8.89 µm[150 – 350 µin]
Contact Termination Area Plating Thickness	3.81 µm[150 µin]

Termination Features

Termination Post & Tail Length	3.69 mm[.145 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Chamfered Edges
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Connector Mounting Type	Board Mount
Mating Retention	With
Mating Retention Type	Locking Tab

Housing Features

Centerline (Pitch)	4.14 mm[.162 in]
Housing Color	White
Housing Material	Nylon

Dimensions

Row-to-Row Spacing	4.14 mm[.163 in]
Width	9.83 mm
PCB Thickness (Recommended)	.06 mm[1.57 in]
Height	13.49 mm
Length	39.83 mm

Usage Conditions

Operating Temperature Range	-20 – 85 °C[-4 – 185 °F]

Operation/Application

Assembly Integration Feature	Without
Circuit Application	Power

Industry Standards

CSA Rating	Certified
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard Number	E28476
Agency/Standard	CSA, UL
UL Rating	Recognized
CSA File Number	LR7189
VDE Tested	No

Packaging Features

Packaging Method	Bag
Packaging Quantity	200

Other

For Use With	Plug Housing

Product Compliance

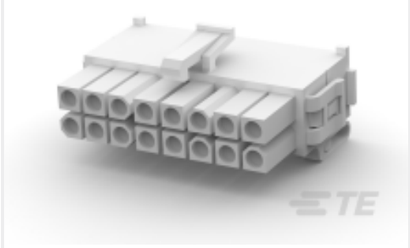
For compliance documentation, visit the product page on TE.com>

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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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

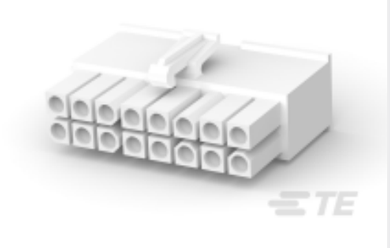
Product Compliance Disclaimer

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 # 794206-1
16P MINI UMNL2 PLUG HSG UL94V0



TE Part # 770583-1
16P MINI UMNL PLUG HSG

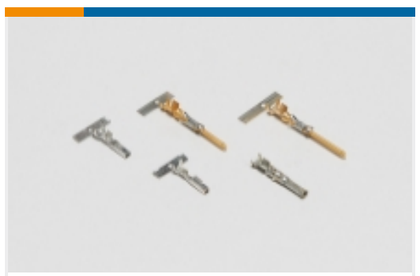
Also in the Series | Mini-Universal MATE-N-LOK



Connector Contacts(11)



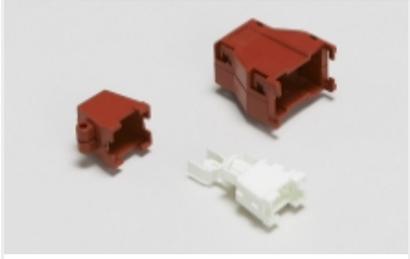
Insertion & Extraction Tools(1)



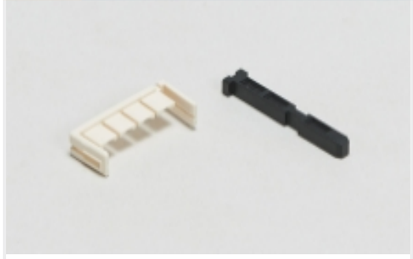
Power Contacts(85)



Rectangular Backshells & Clamps(2)



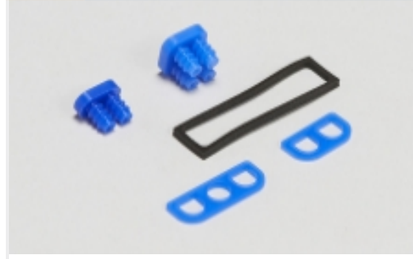
Rectangular Boots & Strain Relief(2)



Rectangular Connector Keying Plugs(2)



Rectangular Connector Locking(1)



Rectangular Connector Seals(18)



Rectangular Power Connectors(285)



Wire-to-Board Headers & Receptacles (1)

Customers Also Bought



TE Part #88976-4
2.54mm FFC Connectors Pin Contacts



TE Part #1-794076-0
18P MINI UMNL HDR W/O DH SN LF



TE Part #1-794073-0
08P MINI UMNL HDR W/O DH SN LF



TE Part #1-770858-0
10P MINI UMNL HDR ASSY SNDBL L



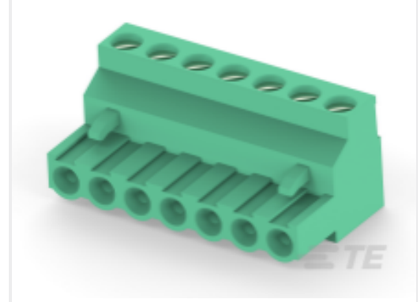
TE Part #1-1586362-6
16P MINI UMNL SEAL,DIE CUT



TE Part #1-640457-2
Polyester Right Angle PCB Header: 2.54mm, Unshrouded, MTA 100



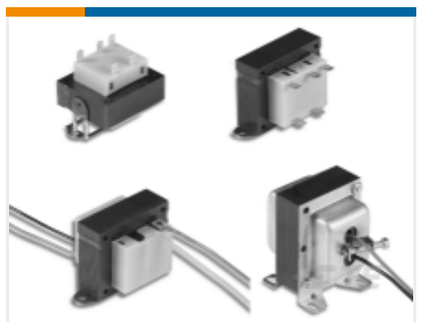
TE Part #1355469-1
TIMER, CONNECTOR HOUSING



TE Part #1-282809-4
TERMI-BLOK PLUG STACKING 4P



TE Part #1-84953-0
1MM FPC HORZ.TOP CONT.ASSY 10P



TE Part #1-1611453-2
CLASS II, UL 1585, 40VA CONTROL TRANSFS

Documents

Product Drawings

16P MINI UMNL HDR W/O DH SN

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-794075-0_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-794075-0_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-794075-0_F.3d_stp.zip

English

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

Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

1-1773458-0_MINI_UNIVERSAL_MATE_N_LOK_CONNECTOR_SYSTEM_QRG

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD_1-794075-0_02262016932_dmtec

English

MD_1-794075-0_02262016932_dmtec

English

Instruction Sheets

Instruction Sheet (U.S.)

English