643426-3 ✔ ACTIVE

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

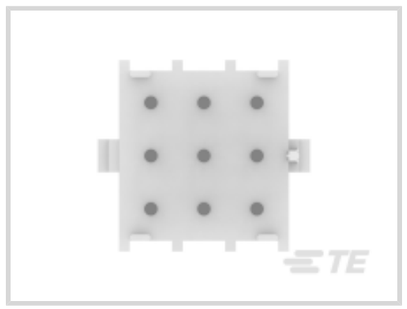
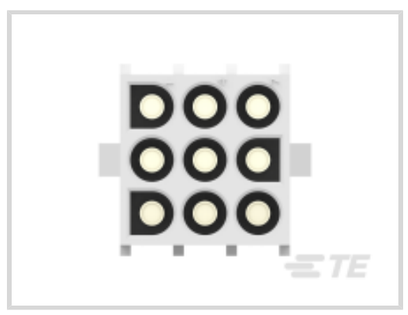
TE Internal #: 643426-3

Universal MATE-N-LOK, Rectangular Power Connectors, Header, Plug, Wire-to-Board, 9 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: **Plug**

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

Number of Positions: **9**

Centerline (Pitch): **6.35 mm [.25 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	9
PCB Mount Orientation	Vertical
Number of Power Positions	9
Number of Rows	3

Electrical Characteristics

Operating Voltage	600 VAC

Contact Features

Contact Layout	Matrix

Multiple Contact Types	Without
Contact Current Rating (Max)	12 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]

Termination Features

Termination Post & Tail Length	3.81 mm[.149 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 Alignment	With
PCB Mount Alignment	With
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	Black
Housing Material	Nylon

Dimensions

Row-to-Row Spacing	6.35 mm[.25 in]
Width	20.32 mm
PCB Thickness (Recommended)	3.18 mm[.125 in]
Height	13.97 mm
Length	20.32 mm

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °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	Yes

Packaging Features

Packaging Method	Bag/Box
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	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



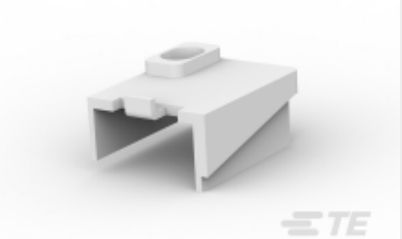
TE Part # 350720-1
09P UMNL PLUG HSG



TE Part # 927231-3
HONHUS UMNL V0 9-P



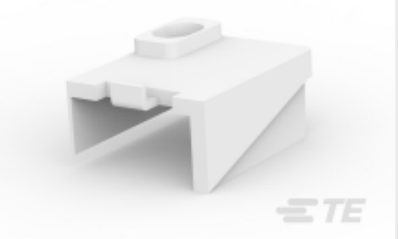
TE Part # 350812-1
STR/REL CLAMP UMNL



TE Part # 1-640722-0
09P UMNL STR/REL & INSRT NATL



TE Part # 794277-1
09P UMNL INTERFACE SEAL



TE Part # 640716-1
09P UMNL STR/REL & INSRT



TE Part # 1-350590-0
STR/REL CLAMP NATL



TE Part # 794994-1
09P UMNL BLACK INTERFACE SEAL



TE Part # 770021-1
09P UMNLII IN-LNE PLUG HSG KIT



TE Part # 1586853-1
09P UMNL CAP HSG, GW



TE Part # 927231-5
UNML CAP HSG 9WAY



TE Part # 1586682-3
09P UMNL HDR ASSY PC 94VO SL



TE Part # 643254-1
09P UMNL ASSY MOD HSG VO



TE Part # 794538-1
09P UMNL CAP HSG 150C BLK



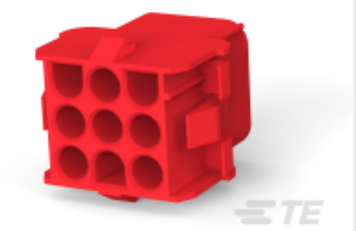
TE Part # 1586126-3
9P UMNL PIN HDR ASSY W/O DR LF



TE Part # 1969882-1
09P UMNL CAP HSG, P/M, GW V0



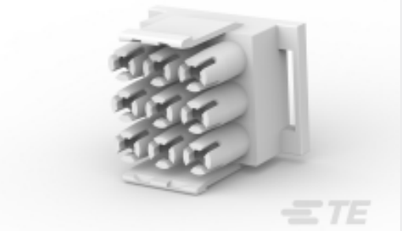
TE Part # 2029299-1
9 POS UMNL CAP W/LARGE FLANGE-V0



TE Part # 2029315-1
09P UMNL CAP HSG 150C-RED



TE Part # 2029368-1
09P UMNL-II TW-N-LK-CAP FRONT



TE Part # 2029370-1
09P UMNL-II REAR, TW-N-LK-CAP

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 #2-1419104-1
PCB Power Relay: 30 Amp, Monostable DC



TE Part #1658391-2
SFP+ Stacked Cage Assemblies



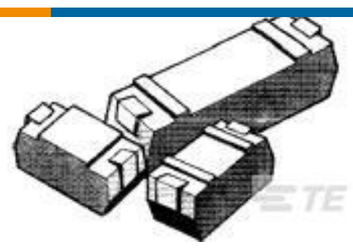
TE Part #1-794066-1
12P MINI UMNL HDR W/DH AU LF



TE Part #9-6318491-6
.5FHP08H,220,S,GIG,08/Sn,HT,NSYes, W/C



TE Part #2-1445093-3
MICRO MNL HDR ASSY S/ROW AU LF



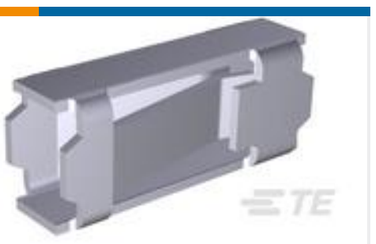
TE Part #1624254-2
SL1 R022 1% TAPED



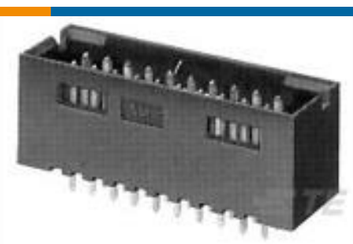
TE Part #1-6609035-3
CORCOM SK SERIES SINGLE PHASE FILTERS



TE Part #2-382811-0
ECONOMY SHUNT, 30 AU BLACK



TE Part #104885-1
MOD I RECP STMPD



TE Part #2-103169-3
50 MODII HDR DRST SHRD .100CL

Documents

Product Drawings

09P UMNL SOK HDR ASSY POL LF

English

CAD Files

Customer View Model

ENG_CVM_643426-3_L.3d_igs.zip

English

Customer View Model

ENG_CVM_643426-3_L.3d_stp.zip

English

Customer View Model

ENG_CVM_643426-3_L.2d_dxf.zip

English

3D PDF

English

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

Datasheets & Catalog Pages

SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD_643426-3_07072014937_dmtec

English

MD_643426-3_07072014937_dmtec

English

Agency Approvals

UL Report

English