643254-1 ✔ ACTIVE

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

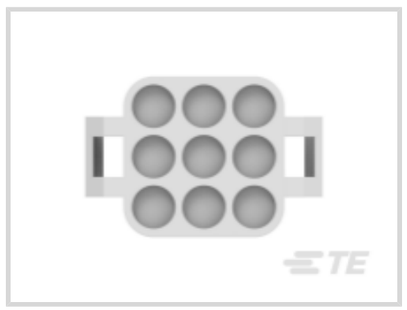
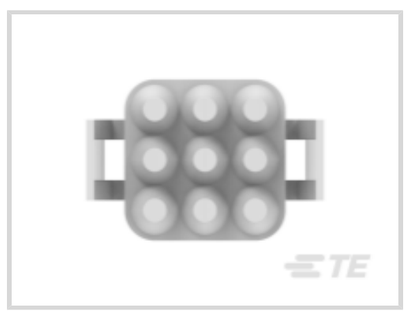
TE Internal #: 643254-1

9 Position, Plug / Receptacle, Housing, Crimp, Wire-to-Wire, UL 94V-0, 6.35 mm [.25 in] Centerline, 3 Row, 600 VAC, Wire & Cable, Universal MATE-N-LOK

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Housing**

Connector & Housing Type: **Plug, Receptacle**

Termination Method to Wire & Cable: **Crimp**

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

Contact Retention Within Housing: **Without**

Features

Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Plug, Receptacle
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	9
Number of Rows	3

Electrical Characteristics

Operating Voltage	600 VAC

Body Features

Primary Product Color	White

Contact Features

Multiple Contact Types	Without
Contact Layout	Matrix
Contact Retention Within Housing	Without

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

Row-to-Row Spacing	6.35 mm[.25 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Circuit Application	Power & Signal

Industry Standards

Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	1
Packaging Method	Box

Product Compliance

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

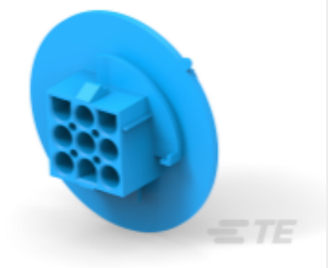
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250)

	Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

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



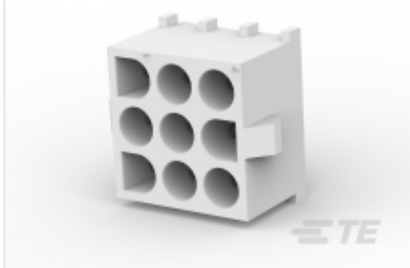
TE Part # 1-794761-6
09P UMNL CAP HSG,P/MT,V0,BLUE



TE Part # 1-794761-9
09P UMNL CAP HSG,P/MT,V0,BLACK



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



TE Part # 350828-1
09P UMNL HDR ASSY PC 94VO



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



TE Part # 350586-4
09P UMNL HDR ASSY PC NATL LF



TE Part # 350835-1
09P UMNL HDR ASSY PC 94VO



TE Part # 350432-1
09P UMNL PIN HDR ASSY NATL



TE Part # 1-350720-4
09P UMNL V0 PLUG HSG YELLOW



TE Part # 1-350720-5
09P UMNL V0 PLUG HSG GREEN



TE Part # 1-794761-2
09P UMNL CAP HSG,P/MT,V0,RED



TE Part # 1-480707-9
09P UMNL CAP HSG BLK

TE Part # 1-641972-1
09P UMNL PIN HDR ASSY BLACK

TE Part # 1-350720-2
09P UMNL V0 PLUG HSG RED

TE Part # 1-794761-3
09P UMNL CAP HSG,P/MT,V0, ORANGE

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



TE Part # 1969818-1
09P UMNL PIN HDR ASSY NATL, PIN V0 GW



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



TE Part # 794741-1
09P UMNL PLUG HSG NATL



TE Part # 643426-3
09P UMNL SOK HDR ASSY POL LF

Also in the Series | Universal MATE-N-LOK

Circular Power Connectors(2)

Connector Contacts(205)

Connector Hardware(12)

Power Contacts(205)



Rectangular Power Connectors(644)



Standard Circular Connectors(1)

Customers Also Bought



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #CAT-D48-ST273
DEUTSCH Connector Solid Contacts



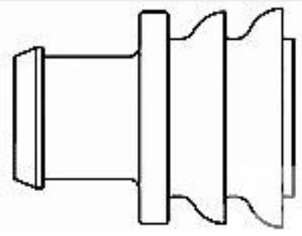
TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING

Documents

Product Drawings

09P UMNL ASSY MOD HSG VO

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_643254-1_P.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_643254-1_P.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_643254-1_P.3d_stp.zip

English

Customer View Model

ENG_CVM_643254-1_F.3d_igs.zip

English

Customer View Model

ENG_CVM_643254-1_F.3d_stp.zip

English

Customer View Model

ENG_CVM_643254-1_F.2d_dxf.zip

English

3D PDF

English

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

Product Specifications

Application Specification

English