643255-1 ✔ ACTIVE

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

TE Internal #: 643255-1

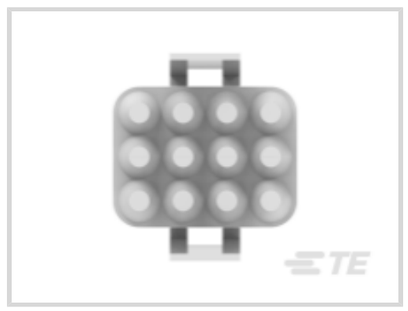
12 Position, Plug / Receptacle, Housing, Crimp, Wire-to-Wire, UL 94V-0, 6.35 mm [.25 in] Centerline, 3 Row, 600 VAC, Universal MATE-N-LOK

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	12
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>

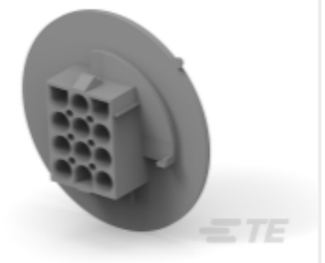
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250)

	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 # 1-794762-8
12P UMNL CAP HSG,PAN MNT,GRAY



TE Part # 1-480708-2
12P UMNL PLUG HSG RED



TE Part # 794727-1
12P UMNL CAP HSG NATL,BLACK



TE Part # 350735-4
12P UMNL PLUG HSG UL94VO



TE Part # 350783-1
12P UMNL CAP HSG



TE Part # 794762-1
12P UMNL CAP HSG WHTE,PAN MNT



TE Part # 794762-3
12P UMNL CAP HSG RED, PAN MNT



TE Part # 1-480708-9
12P UMNL PLUG HSG BLK



TE Part # 1-480709-4
12P UMNL CAP HSG YELL



TE Part # 1586176-1
12P UMNL PIN HDR 94VO NDH



TE Part # 1-794762-1
12P UMNL CAP HSG,PAN MNT, BROWN



TE Part # 1-480709-9
12P UMNL CAP HSG BLK



TE Part # 1-350735-1
12P UMNL V0 PLUG HSG BROWN



TE Part # 1-1863006-2
UMNL 12 WAY CAP HOUSING



TE Part # 770022-1
12P UMNLII IN-LNE PLUG HSG KIT



TE Part # 794851-1
12P UMNL PLUG HSG,BLACK



TE Part # 350737-4
12P UMNL PIN HDR ASSY 94VO LF



TE Part # 350829-1
12P UMNL HDR ASSY PC 94VO

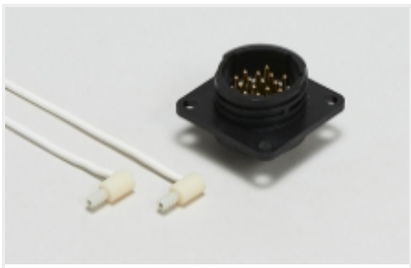


TE Part # 643250-1
02P UMNL ASSY MOD HSG V0



TE Part # 641974-3
12P UMNL PIN HDR ASSY 94VO LF

Also in the Series | Universal MATE-N-LOK



Circular Power Connectors(2)



Connector Caps & Covers(34)



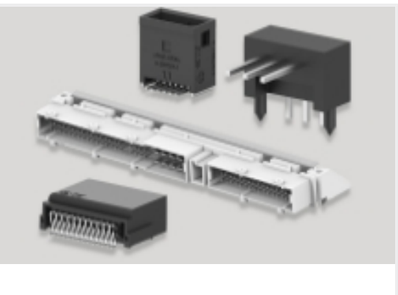
Connector Seals & Cavity Plugs(27)



Connector Strain Relief(7)



Insertion & Extraction Tools(4)



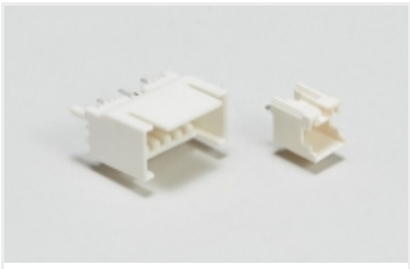
PCB Headers & Receptacles(285)



Rectangular Power Connectors(642)

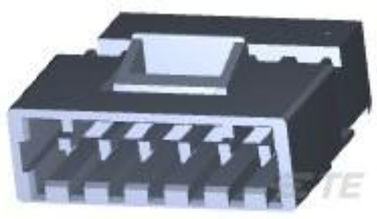


Standard Circular Connectors(1)



Wire-to-Board Headers & Receptacles (285)

Customers Also Bought



TE Part #3-641439-6
06P MTA156 PST CON ASSY LF



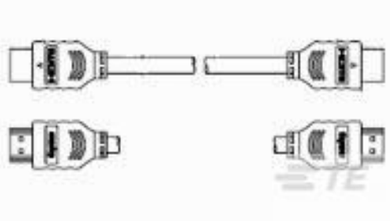
TE Part #641777-2
UMNL STR/REL ADADPTER *NO NIBS*



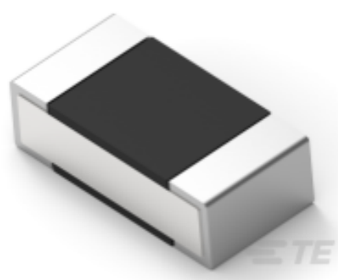
TE Part #643253-1
06P UMNL ASSY MOD HSG VO



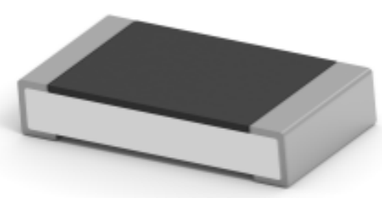
TE Part #643254-1
09P UMNL ASSY MOD HSG VO



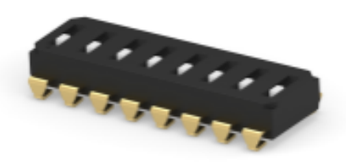
TE Part #1770019-6
CABLE ASSY, HDMI



TE Part #8-2176310-6
RP 1E 0.1W 825R 0.1% 25PPM 1K RL



TE Part #6-2176390-7
RQ 1206 5K62 0.1% 10PPM 5K RL



TE Part #3-2319848-9
END STACK DIP 8P J RECESS SEAL TUBE



TE Part #9-225381-1
FERRULE, COAX



TE Part #5-103961-6
2X7 MTE RCPT SR LATCH .100CL

Documents

Product Drawings

12P UMNL ASSY MOD HSG VO

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_643255-1_N.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_643255-1_N.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_643255-1_N.3d_stp.zip

English

Customer View Model

ENG_CVM_643255-1_F.3d_igs.zip

English

Customer View Model

ENG_CVM_643255-1_F.3d_stp.zip

English

Customer View Model

ENG_CVM_643255-1_F.2d_dxf.zip

English

3D PDF

English

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Product Specifications

Application Specification

English