643428-3 ✔ ACTIVE

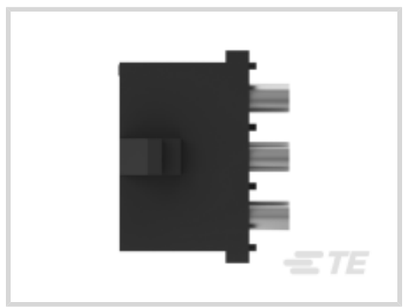
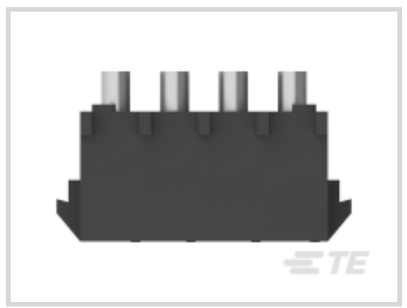
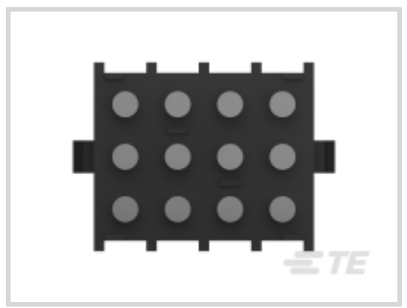
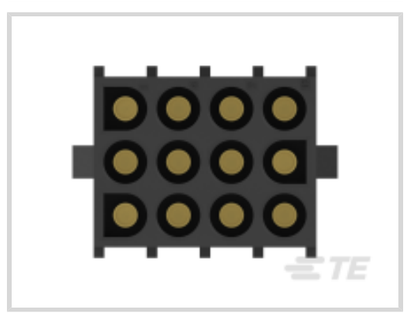
MATE-N-LOK | Universal MATE-N-LOK

TE Internal #: 643428-3

Rectangular Power Connectors, Header, Receptacle, Wire-to-Board, 12 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: **12**

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	12
PCB Mount Orientation	Vertical
Number of Power Positions	12
Number of Signal Positions	0
Number of Rows	3

Electrical Characteristics

Operating Voltage	600 VAC

Contact Features

PCB Contact Termination Area Plating Material Thickness	3.81 - 5.08 µm[150 - 200 µin]
Contact Layout	Matrix
Contact Mating Area Plating Material	Gold
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	12 A
Contact Retention Within Housing	Without
Contact Type	Socket
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	30 µm[.76 µin]

Termination Features

Termination Post & Tail Length	4.56 mm[.179 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Locating Posts
Strain Relief	Without
Mating Alignment Type	Polarization
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	With
Panel Mount Feature	Without
PCB Mount Retention	Without
Mating Retention Type	Latch
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Connector Height	13.97 mm[.549 in]
PCB Thickness (Recommended)	.06 mm[1.57 in]
Product Width	20.32 mm[.799 in]
Product Length	26.67 mm[1.05 in]

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

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	75
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	Not reviewed 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 # 350737-4
12P UMNL PIN HDR ASSY 94VO LF



TE Part # 350433-4
12P UMNL PIN HDR ASSY NATL LF



TE Part # 350737-1
12P UMNL PIN HDR ASSY 94VO



TE Part # 350587-1
12P UMNL PIN HDR ASSY V2 NATL



TE Part # 350783-1
12P UMNL CAP HSG



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



TE Part # 350713-1
12P UMNL PIN HDR ASSY 94VO



TE Part # 641973-1
12P UMNL PIN HDR ASSY V2 NATL



TE Part # 350713-4
12P UMNL PIN HDR ASSY 94VO LF



TE Part # 350433-1
12P UMNL PIN HDR ASSY NATL



TE Part # 350764-4
12P UMNL HDR ASSY PC



TE Part # 1586174-1
06P UMNL PIN HDR 94VO NDH



TE Part # 794880-1
09P UMNL PIN HDR ASSY 94VO



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



TE Part # 643428-1
12P UMNL HDR ASSY POL 94VO



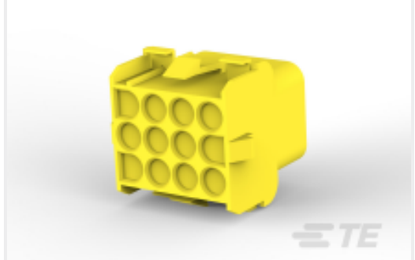
TE Part # 1-480709-0
12P UMNL CAP HSG NATL



TE Part # 641974-1
12P UMNL PIN HDR ASSY 94VO



TE Part # 350764-5
12P UMNL HDR ASSY PC LF



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



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

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)

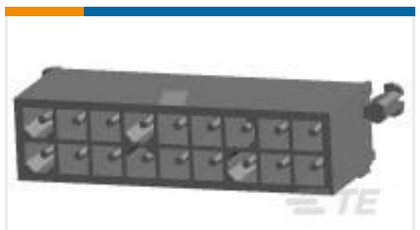


Standard Circular Connectors(1)

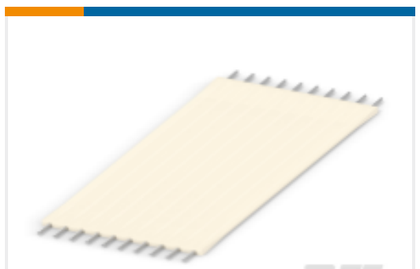
Customers Also Bought



TE Part # 4-2271765-0
CELLO,REC,32P,TH,V,FG,DIP3.0,-



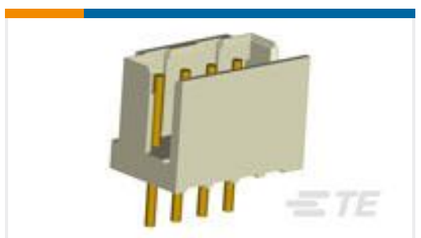
TE Part # 1-794076-1
18P MINI UMNL HDR W/O DH AU LF



TE Part # 1-1474621-4
FSP-23A-8



TE Part # 2-292229-2
1.5 MINI CT D/R SMT 22P V ONTA



TE Part # 292165-3
CT P/HDR BOX V 3P T/P NAT



TE Part # 641968-4
4P UMNL PIN HDR POL VO, AU, LF

TE Part # 2334220-1
09 RCPT SP/FMS SCRLK



TE Part # 1969502-1
ASSY, TAB HDR, 7MM, 6.35 SERIES, 3 POS

TE Part # 3-2232580-2
2P, PL RAST 5 Tab Header, TH, Vertical

Documents

Product Drawings

12P UMNL HDR ASSY POL 94VO

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_643428-3_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_643428-3_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_643428-3_H.3d_stp.zip

English

Customer View Model

ENG_CVM_643428-3_H1.3d_igs.zip

English

Customer View Model

ENG_CVM_643428-3_H1.3d_stp.zip

English

Customer View Model

ENG_CVM_643428-3_H1.2d_dxf.zip

English

3D PDF

English

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

Datasheets & Catalog Pages

SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY

English

Product Specifications

Application Specification

English