350829-4 ✔ ACTIVE

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

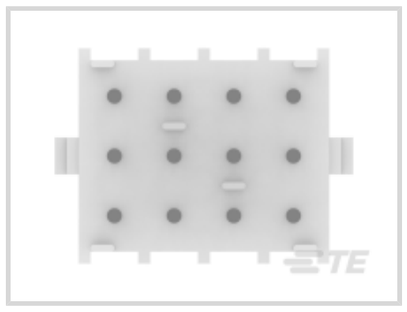
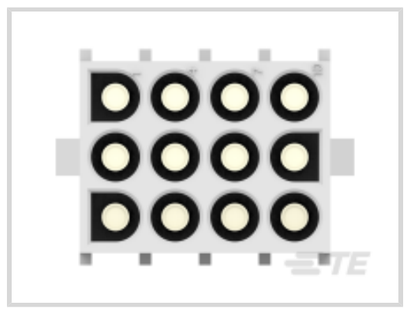
TE Internal #: 350829-4

PCB Mount Header, Vertical, Wire-to-Board, 12 Position, 6.35 mm [.25 in] Centerline, Fully Shrouded, Gold (Au), Universal MATE-N-LOK

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **12**

Centerline (Pitch): **6.35 mm [.25 in]**

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
PCB Connector Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Number of Columns	4
Number of Loaded Positions	12
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	12
Number of Rows	3

Number of Power Positions	12

Electrical Characteristics

Operating Voltage	600 VAC

Body Features

Primary Product Color	Natural

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 – 1.79 µm[50 – 70 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Size	2.95mm
PCB Contact Termination Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]
Contact Shape & Form	Round
Contact Layout	Matrix
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold (Au)
Contact Mating Area Plating Material Thickness	.76 – .91 µm[30 – 36 µin]
Contact Type	Socket
Contact Current Rating (Max)	12 A
PCB Contact Termination Area Plating Material	Tin

Termination Features

Termination Post & Tail Diameter	1.57 mm[.062 in]
Termination Post & Tail Length	3.56 mm[.14 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Locking Tab
Mating Alignment Type	Polarization
PCB Mount Alignment	Without
Mating Retention	With
PCB Mount Retention	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Mating Entry Location	Top
Centerline (Pitch)	6.35 mm[.25 in]
Housing Material	Nylon

Dimensions

Row-to-Row Spacing	6.35 mm[.25 in]
Connector Width	20.32 mm[.8 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	13.97 mm[.55 in]
Connector Length	26.67 mm[1.05 in]
Profile Height from PCB	14.73 mm[.58 in]

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]

Operation/Application

Circuit Application	Power

Industry Standards

Compatible With Agency/Standards Products	CSA, UL, VDE
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	94
Packaging Method	Carton

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	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

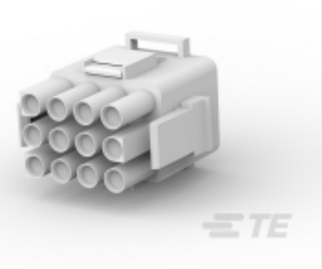
Compatible Parts



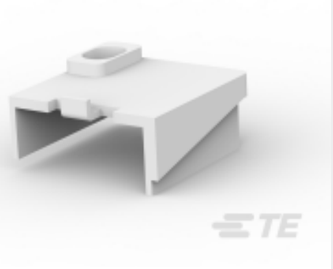
TE Part # 794727-1
12P UMNL CAP HSG NATL,BLACK



TE Part # 643255-1
12P UMNL ASSY MOD HSG VO



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



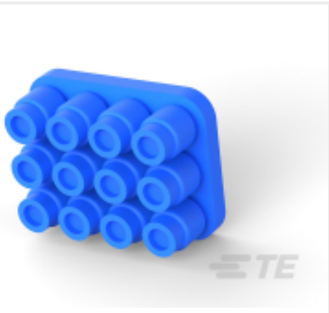
TE Part # 1-640723-0
12P UMNL STR/REL & INSRT NATL



TE Part # 2178620-1
UMNL 12 WAY CAP HOUSING



TE Part # 640717-1
12P UMNL STR/REL



TE Part # 794280-1
12P UMNL WIRE SEAL



TE Part # 1586854-1
12P UMNL CAP HSG, GW



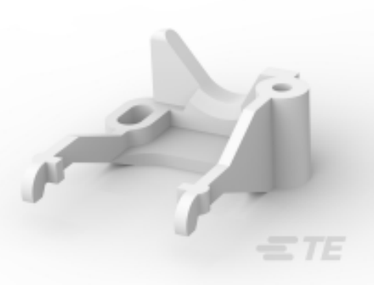
TE Part # 350735-1

12P UMNL PLUG HSG



TE Part # 2178621-1

UMNL 12 WAY CAP HOUSING



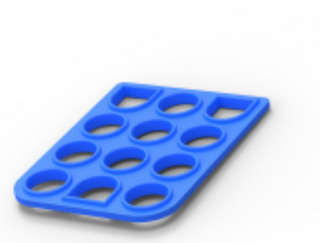
TE Part # 1-350590-0

STR/REL CLAMP NATL



TE Part # 1863006-1

12P UMNL CAP HSG



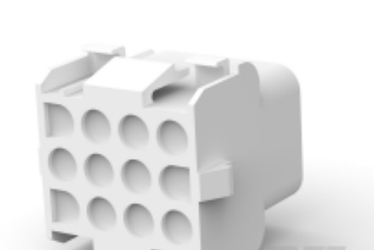
TE Part # 794279-1

12P UMNL INTERFACE SEAL



TE Part # 350812-1

STR/REL CLAMP UMNL



TE Part # 926681-1

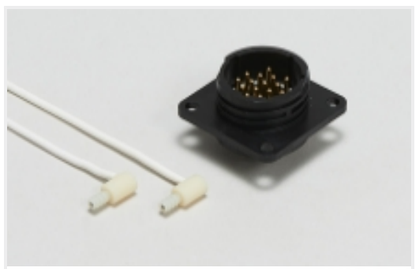
UNIV.M-N-L.CAP HSG.



TE Part # 926681-3

12P UNIV.CAP HSG.

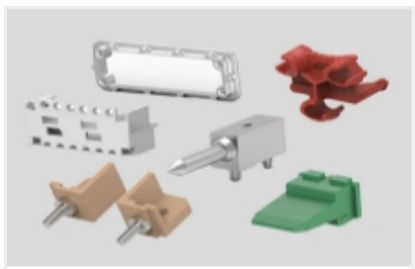
Also in the Series | Universal MATE-N-LOK



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 #1-207441-0

METRIMATE PIN HDR ASY,9P LF



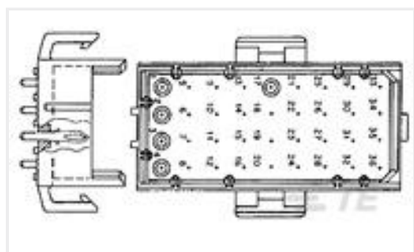
TE Part #350824-4

02P UMNL HDR ASSY PC LF



TE Part #350835-4

09P UMNL HDR ASSY PC 94VO LF



TE Part #2-640497-4

02P MR HDR ASSY



TE Part #3-794681-4
04P MICRO MNL ASSY,VRT,THRU,LF



TE Part #5352128-1
Z-PACK T-B MALE HEADER 154P



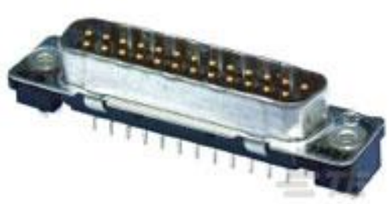
TE Part #5535032-4
ASSY,RECEPTACLE,EUROCARD,TYPE



TE Part #5747236-4
15 MSFL PLUG RA 318 (IN,FM)



TE Part #2-5747708-0
25 RCPT SP/FMS BRDLK



TE Part #1-5747871-6
09 PLUG SP/FMS SCRLK

Documents

Product Drawings

12P UMNL HDR ASSY PC 94VO LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_350829-4_S.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_350829-4_S.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_350829-4_S.3d_stp.zip

English

3D PDF

English

Customer View Model

ENG_CVM_350829-4_M.2d_dxf.zip

English

Customer View Model

ENG_CVM_350829-4_M.3d_igs.zip

English

Customer View Model

ENG_CVM_350829-4_M.3d_stp.zip

English

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Datasheets & Catalog Pages

SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY

English

Product Specifications

Application Specification

English

Agency Approvals

UL

English