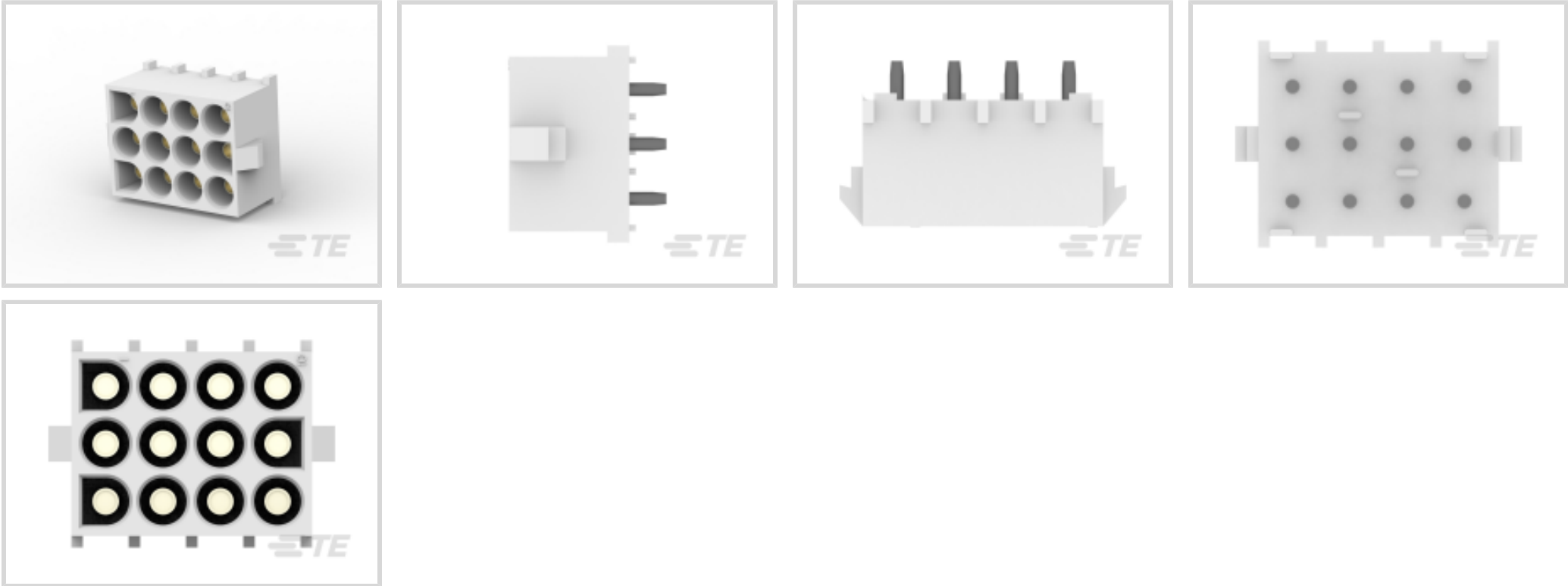




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **12**

Number of Rows: **3**

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
Number of Power Positions	12
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	12



Number of Rows	3
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Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Primary Product Color	Natural
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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
Contact Mating Area Plating Material Thickness	.76 – .91 µm[30 – 36 µin]
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
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Socket
Contact Current Rating (Max)	12 A

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 Retention	With
Mating Alignment Type	Polarization
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With



Housing Features

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

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

Shielded	No
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-2

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	No Restricted Materials Above Threshold



EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JAN 2025
(247)
Candidate List Declared Against: JAN 2025
(247)
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>

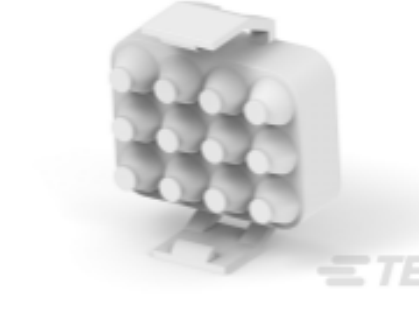
Compatible Parts

 TE Part # 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 # 350812-1 STR/REL CLAMP UMNL
 TE Part # 926681-3 12P UNIV.CAP HSG.	 TE Part # 794279-1 12P UMNL INTERFACE SEAL	 TE Part # 926681-1 UNIV.M-N-L.CAP HSG.	 TE Part # 643428-2 12P UMNL HDR ASSY POL





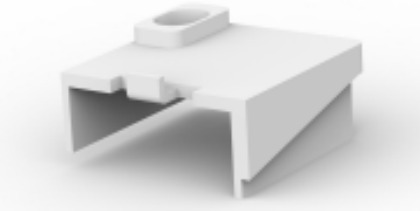
TE Part # 794727-1
12P UMNL CAP HSG NATL, BLACK



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



TE Part # 2178620-1
UMNL 12 WAY CAP HOUSING



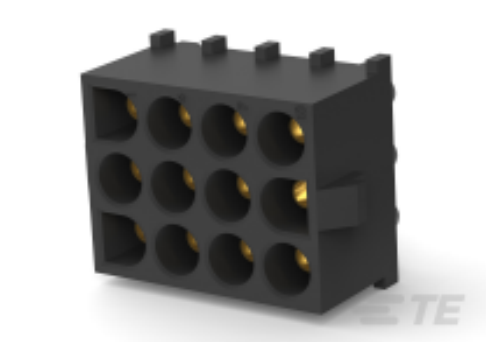
TE Part # 1-640723-0
12P UMNL STR/REL & INSRT NATL



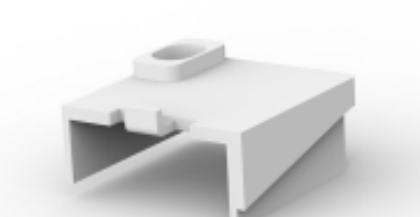
TE Part # 1-480708-0
12P UMNL PLUG HSG NATL



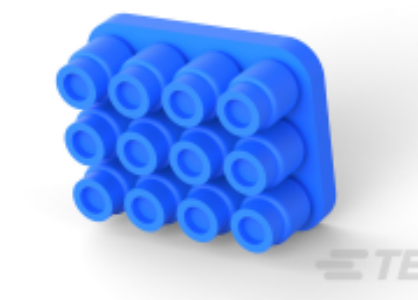
TE Part # 1586854-1
12P UMNL CAP HSG, GW



TE Part # 643428-3
12P UMNL HDR ASSY POL 94VO



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



TE Part # 794280-1
12P UMNL WIRE SEAL

Also in the Series | Universal MATE-N-LOK



Circular Power Connectors(2)



Connector Contacts(208)



Connector Hardware(12)



Power Contacts(208)



Rectangular Power Connectors(651)



Standard Circular Connectors(1)

Customers Also Bought



TE Part #3-2176467-1
TLRP 1206 1.0W R025 1% 100PPM 5K RL

TE Part #2-1445087-3
MICRO MNL HDR ASSY S/ROW AU LF

TE Part #5-147278-5
06 MTE HDR SRRA SFMNT .100CL

TE Part #6-5175473-0
.050CL,CHAMP,VERT PLUG,100 POS

TE Part #2834006-3
RELEASE POKE-IN CONNECTOR_3POLES

TE Part #2350514-6
6POS TB HDR 90 DEG, PITCH 3.5 & TL 3.5mm

TE Part #5-146131-4
10 MODII HDR DRST SFMNT B/A LF

TE Part #9-1879208-3
CPF 0402 68K 0.1% 25PPM 1K RL

TE Part #207608-7
SKT HDR ASSY,3P,MMATE

TE Part #770178-2
06P MINI-UMNL ASSY VO SNAU

Documents

Product Drawings
12P UMNL HDR ASSY PC LF
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_350764-5_T.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_350764-5_T.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_350764-5_T.3d_stp.zip
English
3D PDF
English



Customer View Model

[ENG_CVM_350764-5_N.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_350764-5_N.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_350764-5_N.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