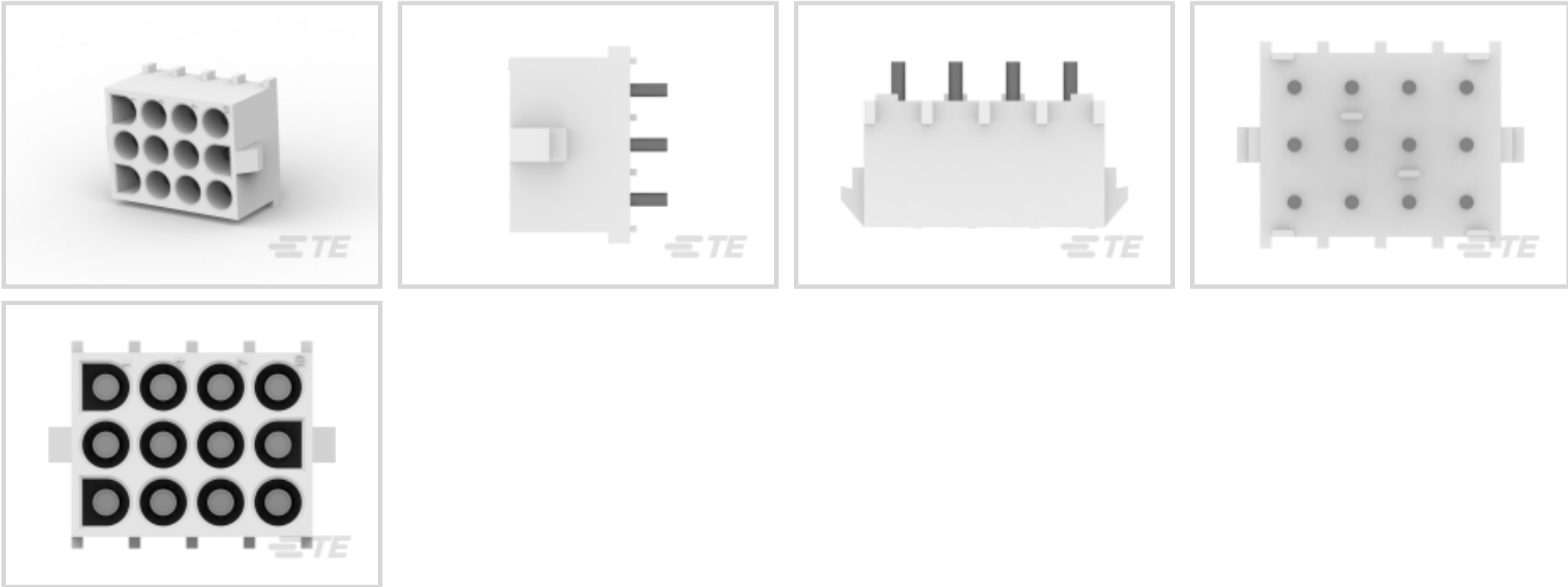




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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	Plug
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 Rows	3

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Multiple Contact Types	Without
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PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Layout	Matrix
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	12 A, 19 A
Contact Retention Within Housing	Without
Contact Type	Socket
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	3.81 - 5.08 µm[150 - 200 µin]

Termination Features

Termination Post & Tail Length	3.18 mm[.125 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Polarization
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
Mating Retention Type	Positive Lock
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Compatible Insulation Diameter (Max)	5.08 mm
Connector Height	13.97 mm
PCB Thickness (Recommended)	1.57 mm[.062 in]
Product Width	20.32 mm
Product Length	26.67 mm



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

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

Circuit Application	Power
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Industry Standards

CSA Rating	Certified, LR 7189
UL Rating	Recognized
Compatible With Agency/Standards Products	CSA, UL, VDE
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	75
Packaging Method	Bag & 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: 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	Wave solder capable to 265°C

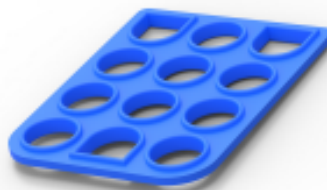
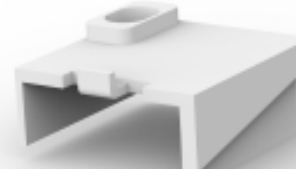
Product Compliance Disclaimer

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>

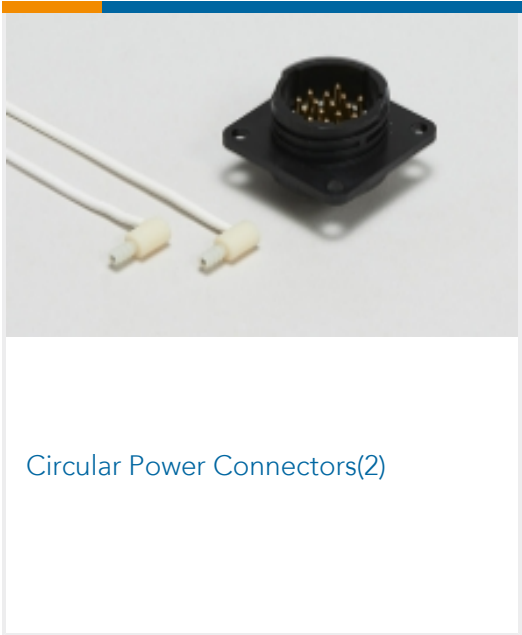
Compatible Parts

 TE Part # 826852-3 10P UN-MNL BU SOCK	 TE Part # 350735-1 12P UMNL PLUG HSG	 TE Part # 770022-1 12P UMNLII IN-LNE PLUG HSG KIT	 TE Part # 350812-1 STR/REL CLAMP UMNL
 TE Part # 794279-1 12P UMNL INTERFACE SEAL	 TE Part # 926681-3 12P UNIV.CAP HSG.	 TE Part # 640717-1 12P UMNL STR/REL	 TE Part # 1-640723-0 12P UMNL STR/REL & INSRT NATL
 TE Part # 794280-1 12P UMNL WIRE SEAL	 TE Part # 1-350590-0 STR/REL CLAMP NATL	 TE Part # 926681-1 UNIV.M-N-L.CAP HSG.	 TE Part # 1586854-1 12P UMNL CAP HSG, GW
 TE Part # 1863006-1 12P UMNL CAP HSG	 TE Part # 643255-1 12P UMNL ASSY MOD HSG VO	 TE Part # 794727-1 12P UMNL CAP HSG NATL, BLACK	 TE Part # 2178620-1 UMNL 12 WAY CAP HOUSING



TE Part # 2178621-1
UMNL 12 WAY CAP HOUSING

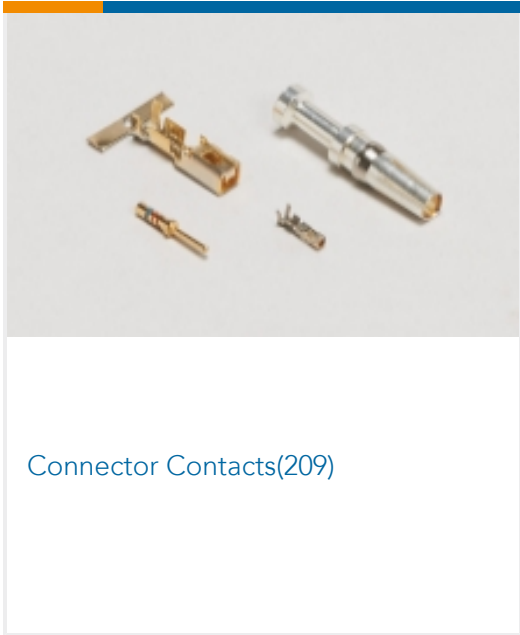
Also in the Series | Universal MATE-N-LOK



Circular Power Connectors(2)



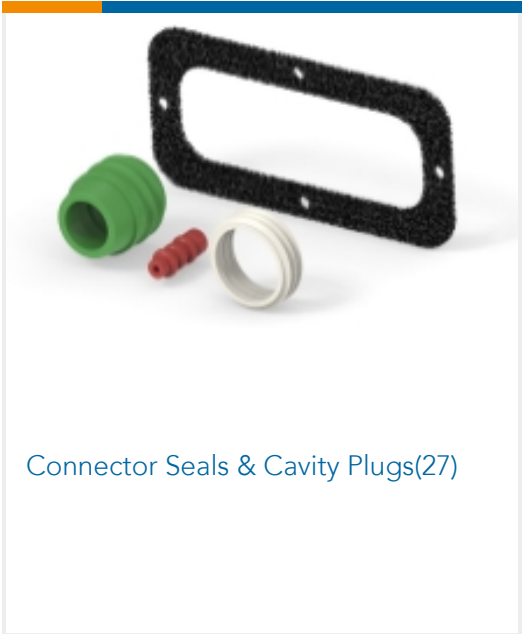
Connector Caps & Covers(34)



Connector Contacts(209)



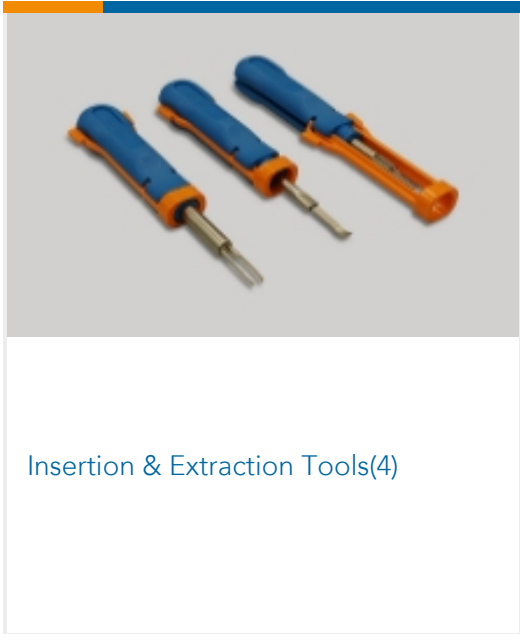
Connector Hardware(12)



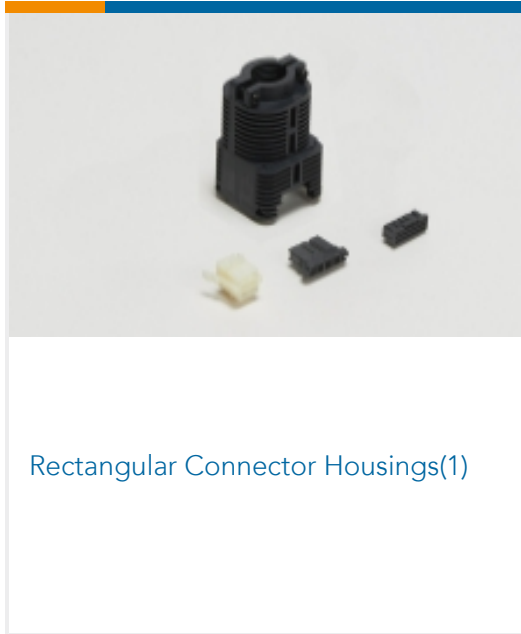
Connector Seals & Cavity Plugs(27)



Connector Strain Relief(7)



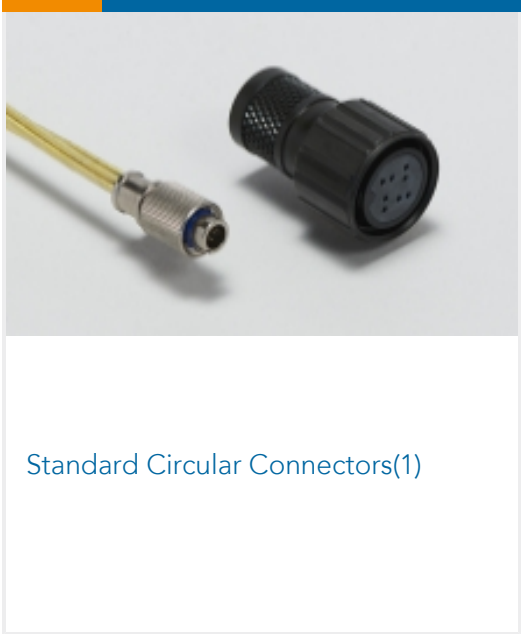
Insertion & Extraction Tools(4)



Rectangular Connector Housings(1)



Rectangular Power Connectors(671)



Standard Circular Connectors(1)

Customers Also Bought



TE Part # 641965-1
03P UMNL PIN HDR ASSY V2 NATL



TE Part # 350434-1
15P UMNL PIN HDR ASSY NATL



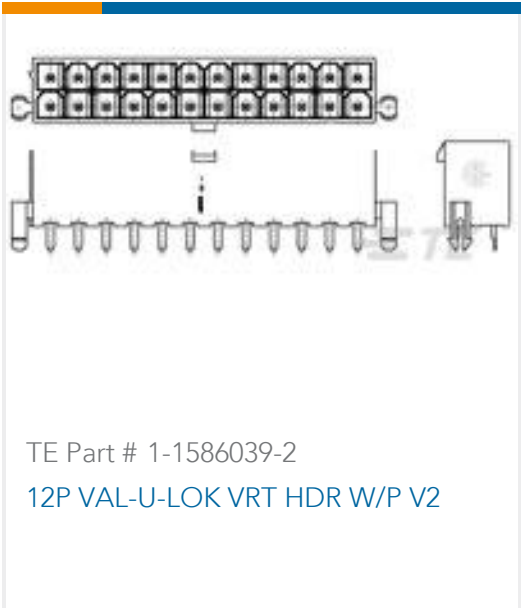
TE Part # 641963-1
02P UMNL PIN HDR ASSY POL NATL



TE Part # 1734101-6
Champ050 series, 60pos, Au over PdNi



TE Part # 170213-1
250 FASTON,REC.,18-14 AWG,BR



TE Part # 1-1586039-2
12P VAL-U-LOK VRT HDR W/P V2



TE Part # 1734101-5
Champ050 series,50pos,Au over PdNi



TE Part # DTM1312PC12PDR008
HDR, 24P, BLK, RA EEC, NI/CU, CD



TE Part # EM7501-000
X4-1.5-0-SP-SM



TE Part # 1734100-6
Champ050 series,60pos,Au over PdNi

Documents

Product Drawings

12P UMNL HDR ASSY PC 94VO

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_350829-1_S.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_350829-1_S.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_350829-1_S.3d_stp.zip

English

3D PDF

English

Customer View Model

ENG_CVM_350829-1_M.2d_dxf.zip

English

Customer View Model

ENG_CVM_350829-1_M.3d_igs.zip

English

Customer View Model

ENG_CVM_350829-1_M.3d_stp.zip

English



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Datasheets & Catalog Pages
SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY
English

Product Specifications
Application Specification
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Instruction Sheets
Instruction Sheet (U.S.)
English