



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

Connector System: **Wire-to-Panel, Wire-to-Wire**

Number of Positions: **6**

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

Features

Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Receptacle
Connector System	Wire-to-Panel, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	6
Number of Power Positions	0
Number of Signal Positions	0
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Contact Layout	Matrix
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Multiple Contact Types	Without
Contact Retention Within Housing	Without
Contact Type	Pin

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Panel Mount Feature	With
Panel Mount Feature Type	Patch & Tabs
Connector Mounting Type	Panel Mount

Housing Features

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

Dimensions

Row-to-Row Spacing	6.35 mm[.25 in]
Panel Thickness	.76 – 2.29 mm[.76 – 2.29 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Assembly Integration Feature	Without
Circuit Application	Power & Signal

Industry Standards

CSA Rating	Certified
UL Flammability Rating	UL 94V-2
Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard Number	E28476
Agency/Standard	CSA, UL
UL Rating	Recognized
CSA File Number	LR7189
VDE Tested	Yes

Packaging Features

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Packaging Method	Package
Packaging Quantity	1

Other

For Use With	Appropriate Universal MATE-N-LOK Plug
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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 2022 (223) Candidate List Declared Against: JAN 2021 (211) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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

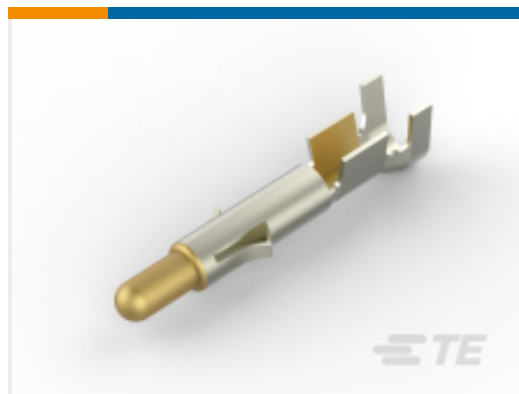
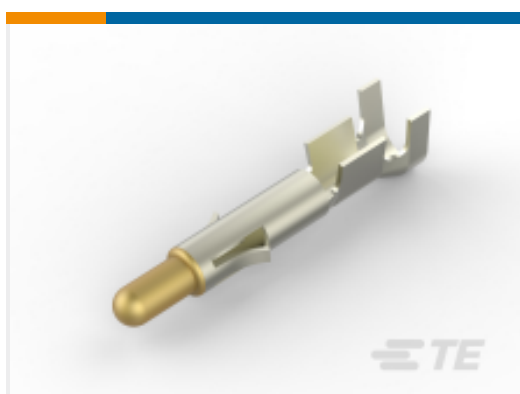
TE Part # 350551-6
UMNL SOK 20-14 AU/PHBZ L/P

TE Part # 350690-2
UMNL PIN 24-18 AUBR L/P

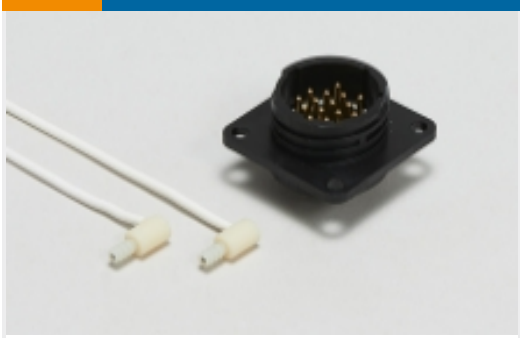
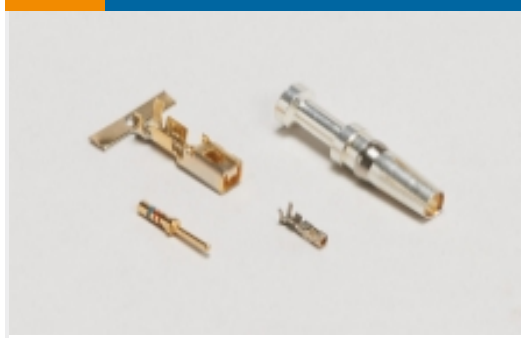
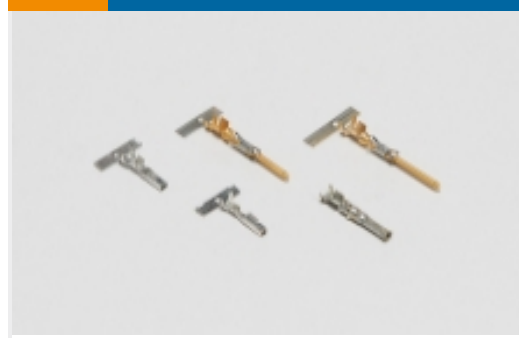
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UNIV-MNL SPLIT ST

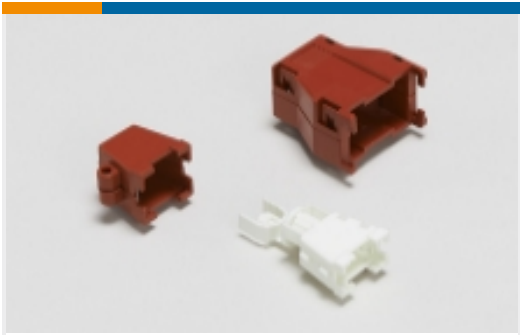
TE Part # 350550-7
UMNL SOK 20-14 AU/BR L/P



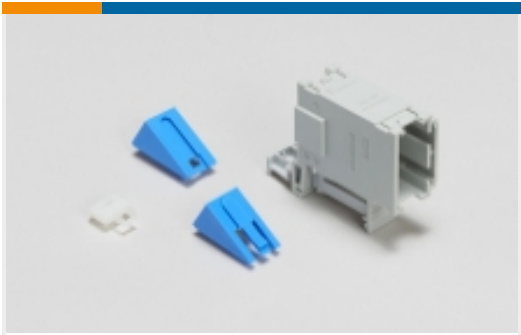
 TE Part # 350690-3 UMNL PIN 24-18 PTPPHBZ L/P	 TE Part # 350689-7 UMNL SOK 24-18 AUBR L/P	 TE Part # 350547-7 UMNL PIN 20-14 AUBR L/P	 TE Part # 350689-2 UMNL SOK 24-18 AUBR L/P
 TE Part # 640310-3 UMNL SOK 12-10 PTPPHBZ	 TE Part # 350689-3 UMNL SOK 24-18 PTPPHBZ L/P	 TE Part # 350690-7 UMNL PIN 24-18 AUBR L/P	 TE Part # 350689-1 UMNL SOK 24-18 PTPBR L/P
 TE Part # 926893-3 UNIV.M-N-L.SOCKET	 TE Part # 350547-3 UMNL PIN 20-14 PTPPHBZ L/P	 TE Part # 350551-7 UMNL SOK 20-14 AU/BR L/P	 TE Part # 350547-2 UMNL PIN 20-14 AUBR L/P
 TE Part # 350550-3 UMNL SOK 20-14 PTPPHBZ L/P	 TE Part # 770672-1 UMNL PIN 30-26 PTPBR L/P	 TE Part # 350547-6 UMNL PIN 20-14 AU/PHBZ L/P	 TE Part # 350538-7 UMNL PIN 20-14 AU/NI/BR

Also in the Series | Universal MATE-N-LOK

 Circular Power Connectors(2)	 Connector Contacts(11)	 Insertion & Extraction Tools(4)	 Power Contacts(207)
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Rectangular Boots & Strain Relief(35)



Rectangular Connector Adapters(7)



Rectangular Connector Hardware(1)



Rectangular Connector Housings(2)



Rectangular Connector Keying Plugs(3)



Rectangular Connector Locking(4)



Rectangular Connector Seals(26)



Rectangular Power Connectors(729)

Customers Also Bought



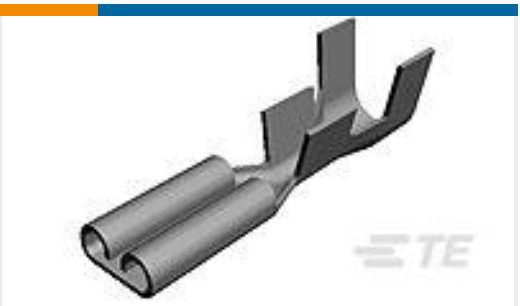
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TE Part #1-480703-9
04P UMNL CAP HSG BLK



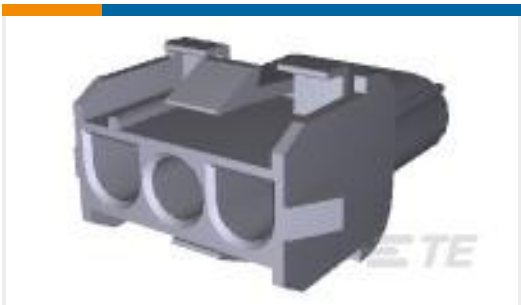
TE Part #1-480704-9
06P UMNL PLUG HSG BLK



TE Part #41771
250 FASTON REC 22-18 AWG BR



TE Part #336369-1
250 FASTON HSG,REC.,1 POS,
NATRUAL



TE Part #1-480701-9
03P UMNL CAP HSG BLK



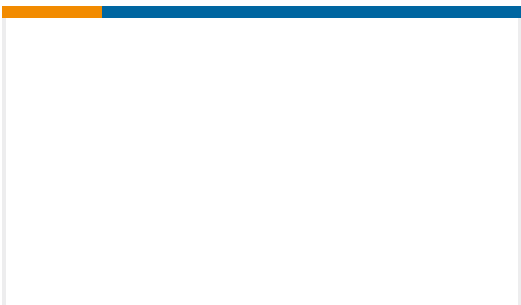
TE Part #1-480702-9
04P UMNL PLUG HSG BLK



TE Part #1-172165-9
2CIR MINI U-M-N-L PLUG BLCK



TE Part #500015-1
SPIRAP 1/4", NYLON, NAT, 50 FT



TE Part #690142-1
DISC-INSUL CRIMP ADJ

Documents



Product Drawings

06P UMNLCAP HSG BLK

English

CAD Files

Customer View Model

ENG_CVM_1-480705-9_AP.3d_stp.zip

English

Customer View Model

ENG_CVM_1-480705-9_AP.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_1-480705-9_AP.3d_igs.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-480705-9_BY.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-480705-9_BY.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-480705-9_BY.3d_stp.zip

English

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Datasheets & Catalog Pages

SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD_1-480705-9_111120131053_dmtec

English

MD_1-480705-9_111120131053_dmtec

English

Instruction Sheets

Instruction Sheet (U.S.)

English



Instruction Sheet (U.S.)

English

Agency Approvals

CSA Certificate

English