



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: **2**

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	2
PCB Mount Orientation	Vertical
Number of Power Positions	2
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Contact Layout	Inline
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Multiple Contact Types	Without
Contact Current Rating (Max)	12 A, 19 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Pre-Tin
Contact Mating Area Plating Material	Pre-Tin
Contact Mating Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]

Termination Features

Termination Post & Tail Length	3.7 mm[.146 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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

Housing Features

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

Dimensions

PCB Thickness (Recommended)	3.12 mm[.124 in]
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Usage Conditions

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

Assembly Integration Feature	Without
Circuit Application	Power



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

Packaging Method	Bag & Box
Packaging Quantity	100

Other

For Use With	Mates with Plug Housing (Using Socket Contacts)
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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: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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

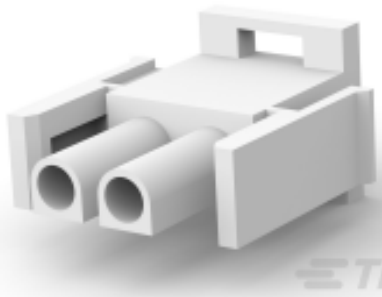
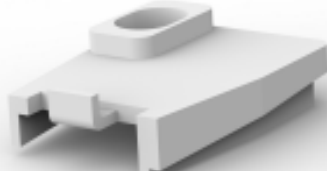
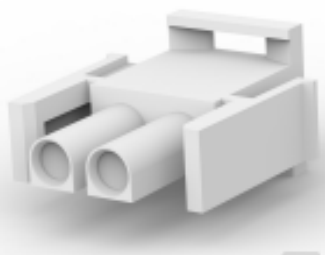
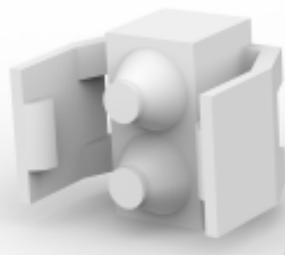
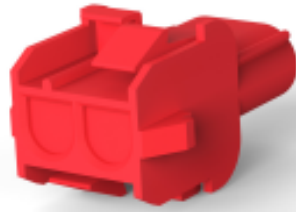
Product Compliance Disclaimer

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 # 1-480698-0 02P UMNL PLUG HSG NATL	 TE Part # 794815-1 02P UMNL CAP HSG,HI TEMP	 TE Part # 1703062-1 CAP, 2 CIRCUIT , UNIVERSAL MATE-N-LOK	 TE Part # 1586856-1 02P UMNL CAP HSG, GW
 TE Part # 1-350589-0 STR/REL CLAMP NATL	 TE Part # 640713-2 02P UMNL STR/RELIEVE	 TE Part # 794269-1 02P UMNL INTERFACE SEAL	 TE Part # 794991-1 02P UMNL BLACK INTERFACE SEAL
 TE Part # 350848-2 02P UMNL PLUG TEST ASSY 94VO	 TE Part # 643250-1 02P UMNL ASSY MOD HSG V0	 TE Part # 1703062-2 CAP, 2 CIRCUIT , UNIVERSAL MATE-N-LOK	 TE Part # 1703062-3 CAP, 2 CIRCUIT , UNIVERSAL MATE-N-LOK
 TE Part # 1703062-4 CAP, 2 CIRCUIT , UNIVERSAL MATE-N-LOK	 TE Part # 194234-2 PIN HDR ASSY,MNL,4 CIR,LUBR'D	 TE Part # 2-480699-0 02P UMNL CAP HSG NATL	 TE Part # 2178649-1 2P UMNL CAP HSG, GW





TE Part # 2178649-2
2P UMNL CAP HSG, GW



TE Part # 2178649-3
2P UMNL CAP HSG, GW



TE Part # 2178927-1
02P UMNL CAP HSG



TE Part # 640713-1
02P UMNL STR/REL & INSERT

Also in the Series | Universal MATE-N-LOK



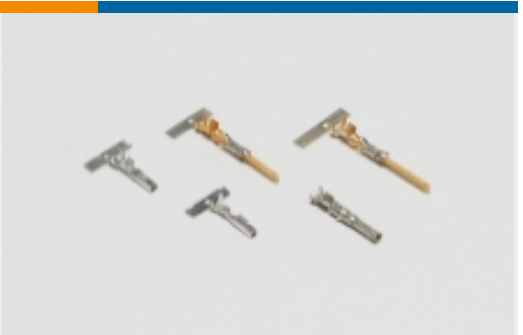
Circular Power Connectors(2)



Connector Contacts(11)



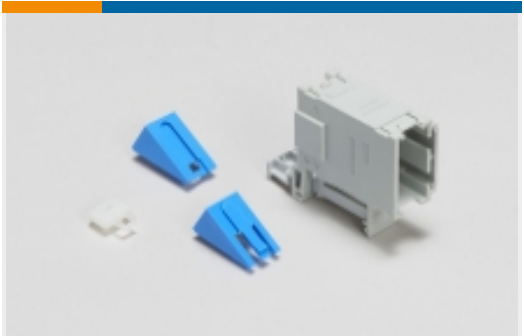
Insertion & Extraction Tools(4)



Power Contacts(207)



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



TE Part #1-1761987-8
ReceptacleConnAssm38PosTape/Re



TE Part #643430-1
15P UMNL HDR ASSY POL 94VO



TE Part #194010-1
PIN ASSY..070



TE Part #284392-8
TERMI-BLOK PCB SIDE ENTRY STAC





TE Part #643407-1
06P UMNL PIN HDR ASSY POL NATL



TE Part #643410-1
08P UMNL PIN HDR ASSY POL 94VO



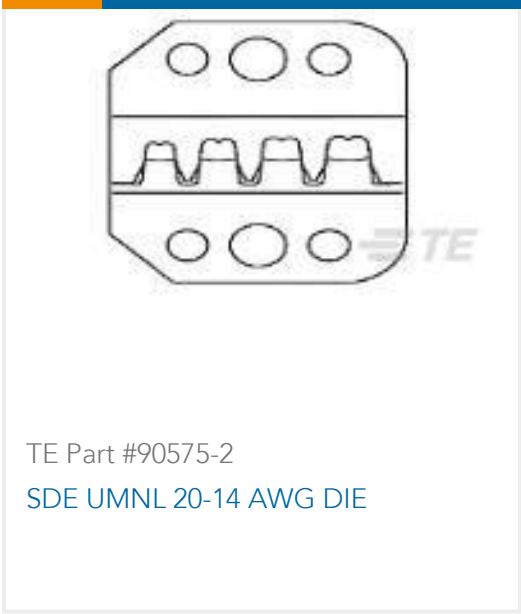
TE Part #292232-4
1.5 MINI CT SGL V SMT W/BOS,PO



TE Part #1-1879355-5
RR03 5% 16K AMMO



TE Part #641969-1
06P UMNL PIN HDR ASSY V2 NATL



TE Part #90575-2
SDE UMNL 20-14 AWG DIE

Documents

Product Drawings

02P UMNL PIN HDR ASSY POL NATL

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_641963-1_K.3d_igs.zip

English

Customer View Model

ENG_CVM_641963-1_K.3d_stp.zip

English

Customer View Model

ENG_CVM_641963-1_K.2d_dxf.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD_641963-1_070720171033_dmtec



English

[MD_641963-1_070720171033_dmtec](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

Agency Approvals

[CSA Certificate](#)

English