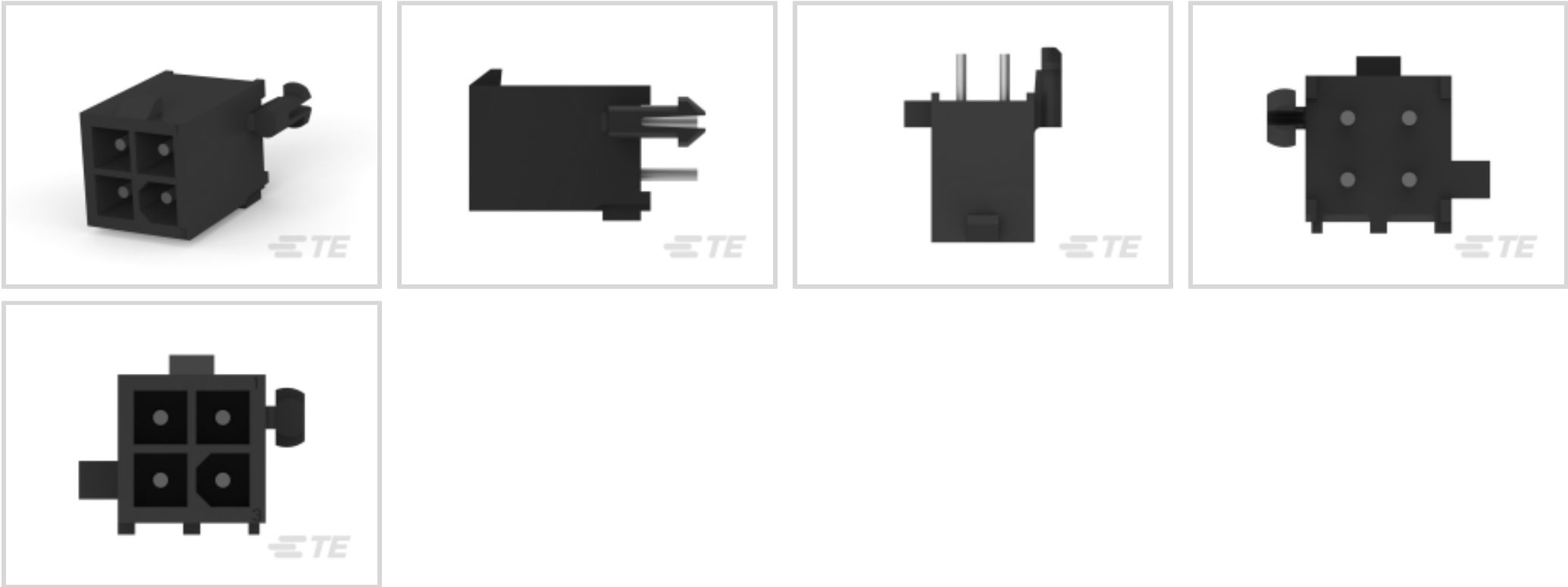




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **4**

Centerline (Pitch): **4.14 mm [.162 in]**

Features

Product Type Features

Header Type	Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	4
PCB Mount Orientation	Vertical
Number of Power Positions	4
Number of Signal Positions	0
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features

Contact Layout	Matrix
Contact Base Material	Brass
Contact Current Rating (Max)	9.5 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	3.81 – 8.89 µm[150 – 350 µin]
Contact Mating Area Plating Material Finish	Matte
Contact Termination Area Plating Thickness	3.81 µm[150 µin]

Termination Features

Termination Post & Tail Length	4.45 mm[.175 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	4.14 mm[.162 in]
Housing Color	Black
Housing Material	Nylon

Dimensions

Row-to-Row Spacing	4.14 mm[.162 in]
PCB Thickness (Recommended)	.06 mm[1.57 in]



Width	11.89 mm[.468 in]
Mating Post Length	5.08 mm[.2 in]
Height	13.49 mm[.531 in]
Length	9.83 mm[.387 in]

Usage Conditions

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

Circuit Application	Power
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Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
VDE Tested	No

Packaging Features

Packaging Method	Bag
Packaging Quantity	200

Other

For Use With	Plug Housing
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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	Not Yet Reviewed
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 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 240°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 # 172167-1
4 CIR UNIV M-N-L PLUG

TE Part # 794188-1
04P MINI UMN2 PLUG HSG UL94V0

Also in the Series | Mini-Universal MATE-N-LOK

Connector Contacts(11)

Insertion & Extraction Tools(1)

Power Contacts(85)

Rectangular Backshells & Clamps(2)

Rectangular Boots & Strain Relief(2)

Rectangular Connector Keying Plugs(2)

Rectangular Connector Locking(1)

Rectangular Connector Seals(18)

Rectangular Power Connectors(285)

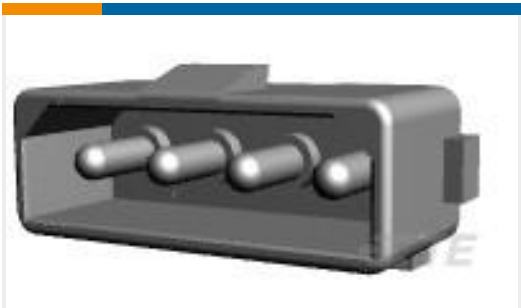
Wire-to-Board Headers & Receptacles
(1)



Customers Also Bought



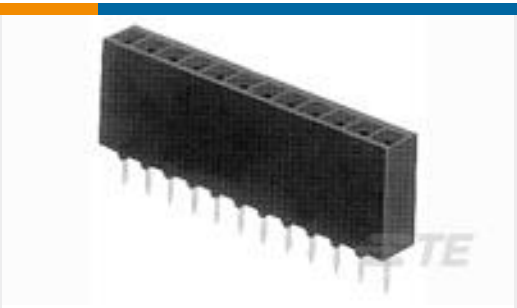
TE Part #1-770858-1
10P MINI UMNL HDR ASSY AU LF



TE Part #1586534-2
04P CMNL HDR ASSY SHORT LF



TE Part #1-794065-1
08P MINI UMNL HDR W/DH AU LF



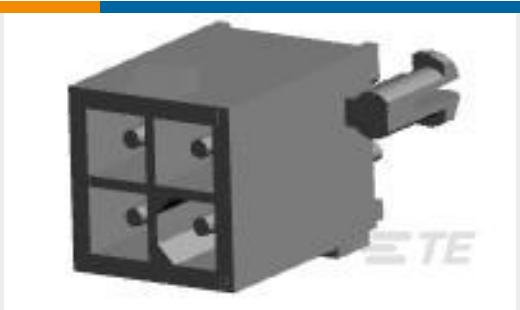
TE Part #1-829265-6
16P HV100 REC.CON. B/TE,6,2,NO KINK



TE Part #1-770178-1
06P MINI UMNL ASSY VO SNAU LF



TE Part #1-770170-1
03P MINI UMNL ASSY VO SNAU LF



TE Part #1-770174-1
04P MINI UMNL ASSY VO SNAU LF



TE Part #1-770166-1
02P MINI UMNL ASSY VO SNAU LF



TE Part #1393640-7
V42254B2101C480=PC612 FEDERLEI



TE Part #9-1393480-4
V23529B1224C209=SUB D 2 GEN

Documents

Product Drawings

04P MINI-UMNL ASSY VO SNNI BLK

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-770174-0_N.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-770174-0_N.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-770174-0_N.3d_stp.zip

English

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



Product Environmental Compliance

[MD_5-770174-0_02262016936_dmtec](#)

English

[MD_5-770174-0_02262016936_dmtec](#)

English

Agency Approvals

[Agency Approval Document](#)

English