



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: **20**

Centerline (Pitch): **4.14 mm [.162 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	20
PCB Mount Orientation	Vertical
Number of Power Positions	20
Number of Signal Positions	0
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features



Contact Termination Area Plating Finish	Matte
Multiple Contact Types	Without
Contact Current Rating (Max)	9.5 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 µm[30 – 30 µin]

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Chamfered Edges
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	Locking Tab

Housing Features

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

Dimensions

Row-to-Row Spacing	4.14 mm[.163 in]
Width	13.49 mm
Height	9.83 mm
Length	42.95 mm

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-0
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	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	Not Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205) Pb (13% in Component Part)
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205)
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not lead free process capable



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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

TE Model / Part # 770585-1
20P MINI UMN1 PLUG HSG

TE Model / Part # 794210-1
20P MINI UMN2 PLUG HSG UL94V0

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

Connector Contacts(11)

Power Contacts(85)

Rectangular Backshells & Clamps(2)

Rectangular Boots & Strain Relief(2)

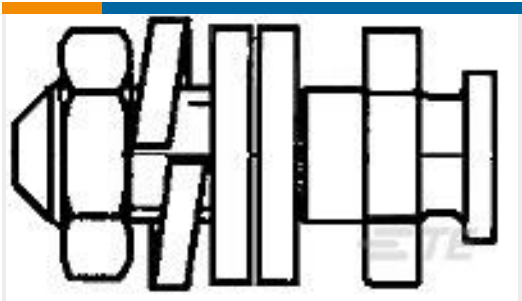
Rectangular Connector Keying Plugs(2)

Rectangular Connector Seals(18)

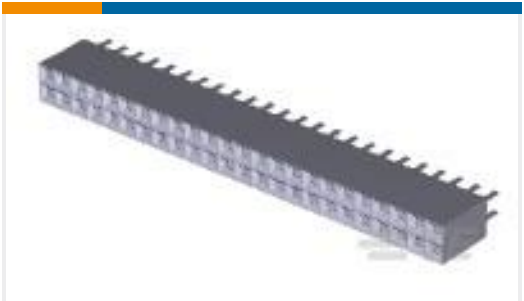
Rectangular Power Connectors(284)

Wire-to-Board Headers & Receptacles (1)

Customers Also Bought



TE Model / Part #5206514-7
SLIDING LOCK POST KIT,BULK PKG



TE Model / Part #2-534206-4
48 MODII VRT DR CE 100/115



TE Model / Part #794076-2
18P MINI UMNL HDR W/O DH AU



TE Model / Part #1-794076-1
18P MINI UMNL HDR W/O DH AU LF



TE Model / Part #641968-4
4P UMNL PIN HDR POL VO, AU, LF



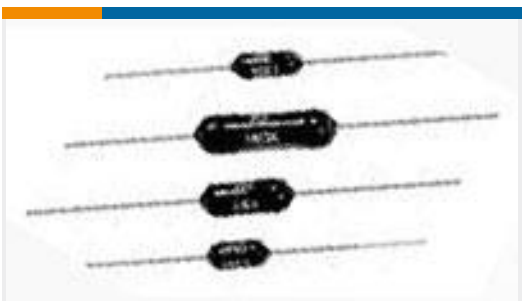
TE Model / Part #3-644897-6
06P CST100 SHRD HDR ASSY LF



TE Model / Part #3-644897-4
04P CST100 SHRD HDR ASSY LF



TE Model / Part #5-87579-1
08 MODII HDR DRRR SHRD LF



TE Model / Part #2-1879661-7
H4 249K 0.1% 15PPM



TE Model / Part #6-1437571-9
TPB11FGPCES2=SW P/B ENVIRONMEN

Documents

Product Drawings

20P MINI UMNL HDR W/O DH AU

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_794077-2_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_794077-2_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_794077-2_E.3d_stp.zip

English

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

Datasheets & Catalog Pages



SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English