



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**
Connector & Housing Type: **Plug**
Connector System: **Wire-to-Wire**
Number of Positions: **10**
Centerline (Pitch): **4.2 mm [.165 in]**

Features

Product Type Features

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

Configuration Features

Number of Positions	10
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Contact Retention Within Housing	Without
Contact Type	Pin

Termination Features

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Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

Centerline (Pitch)	4.2 mm[.165 in]
Housing Color	Natural
Housing Material	Nylon 6/6

Dimensions

Connector Height	11.6 mm[.457 in]
Product Width	23.8 mm[.937 in]
Product Length	22.2 mm[.874 in]
Row-to-Row Spacing	4.2 mm[.165 in]

Usage Conditions

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

Circuit Application	Power & Signal
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Industry Standards

CSA Rating	208567
UL Rating	Recognized
Agency/Standard	CSA, UL
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	500
Packaging Method	Bag

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 2023 (235)
Candidate List Declared Against: JAN 2021 (211)
Does not contain REACH SVHC

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

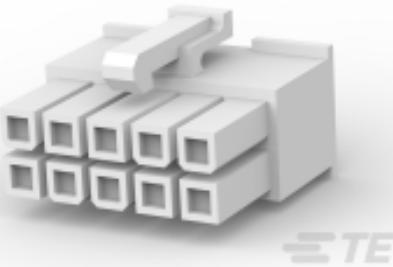
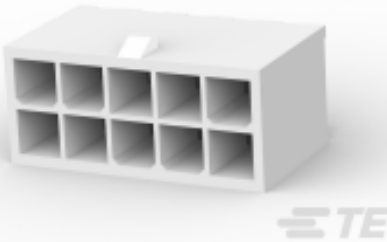
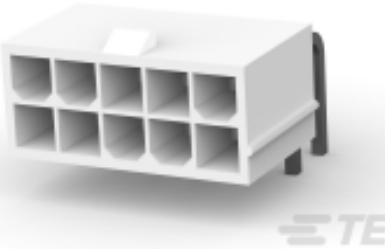
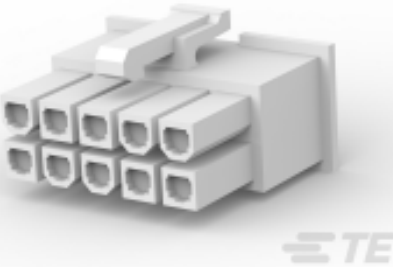
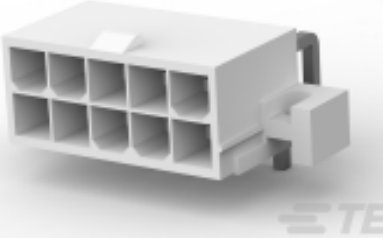
Solder Process Capability

Not reviewed 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 # 1-1586019-0 10P RCPT VAL-U-LOK V0	 TE Part # 1-1586040-0 10P VAL-U-LOK VRT HDR W/P V0	 TE Part # 1-1586038-0 10P VRT HDR VAL-U-LOK V0	 TE Part # 1-1586042-0 10P VAL-U-LOK R/A HDR V0
 TE Part # 1-1969614-0 10P RCPT VAL-U-LOK V0	 TE Part # 1-1586044-0 10P VAL-U-LOK R/A HDR SCRMT V0	TE Part # 1-2029029-0 10P RCPT VAL-U-LOK V0 BLK	TE Part # 1-2029094-0 10P RCPT VAL-U-LOK V0 RED



TE Part # 1-2029100-0

10P RCPT VAL-U-LOK V0 BLUE

Customers Also Bought

TE Part #1586017-8

8P FH PLUG VAL-U-LOK V0

TE Part #1-1969443-4

EP 2.5 TPA Retainer, 14 Pos

TE Part #2825210-1

VAL-U-LOK PIN HCS SN 18-22AWG

TE Part #1969106-2

ULTRA-POD 187 ASSY REC 22-16 AWG TPBR

TE Part #917531-1

040 MLC T.F. PLUG HSG 14P NATU

TE Part #4-2232890-0

10P MONOPLUG 2.5 SELECTIVELY LOADED

TE Part #1534072-3

MULTIF.ASSY MK2 3POS,AR

TE Part #2238136-2

RECEPTACLE, POSITIVE-LOCK, RAST 6.35

TE Part #5-2295787-5

STD TIMER PLUG HSG 5P W/EXT. LOCKING-SP

Documents

Product Drawings

10P FH PLUG VAL-U-LOK V0

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1969612-0_A_c-1-1969612-0-a.2d_dxf.zip

1-1969612-0

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 10 Position, 4.2 mm [.165 in] Centerline, Wire & Cable, UL 94V-0



English

Customer View Model

[ENG_CVM_CVM_1-1969612-0_A_c-1-1969612-0-a.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1969612-0_A_c-1-1969612-0-a.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[1-1773730-3 VAL-U-LOK Connectors with TPA Flyer](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English