



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: **12**

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	12
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	26.4 mm[1.039 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
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	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 2024 (241)
Candidate List Declared Against: JUNE 2024 (241)
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 # 1-1586019-2
12P RCPT VAL-U-LOK V0

TE Part # 1-1586038-2
12P VRT HDR VAL-U-LOK V0

TE Part # 1-1969614-2
12P RCPT VAL-U-LOK V0

TE Part # 1-1586040-2
12P VAL-U-LOK VRT HDR W/P V0

TE Part # 1-1586042-2
12P VAL-U-LOK R/A HDR V0

TE Part # 1-1586044-2
12P VAL-U-LOK R/A HDR SCRMT V0

Customers Also Bought





TE Part #353907-1
CT 1.5MM REC CONT CRIMP TYPE



TE Part #179609-1
AMP CT CRIMP TTYPE-2 REC CONT.



TE Part #1-353908-2
CT REC HSG 12P CRIMP TYPE WHIT



TE Part #CJ4552-000
D-141-30-LF



TE Part #2-320559-4
SPLICE BUTT PIDG 22-16; TAPE



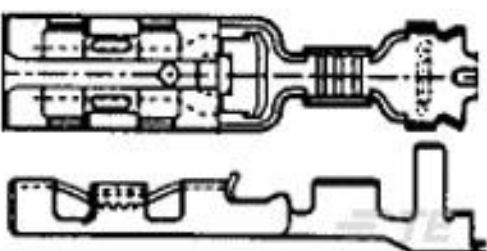
TE Part #CP2527-000
RT-780-3/8-3-SP



TE Part #A427053001
RAY-90-12.5(100)



TE Part #1376477-4
2.5MM PITCH SIGNAL MATE CONN



TE Part #353249-2
110 PL EX REC. 26-22AWG PTPHBZ

Documents

Product Drawings
12P FH PLUG VAL-U-LOK V0

English

CAD Files
3D PDF

3D

Customer View Model
ENG_CVM_CVM_1-1969612-2_A_c-1-1969612-2-a.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_1-1969612-2_A_c-1-1969612-2-a.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_1-1969612-2_A_c-1-1969612-2-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