



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

Connector System: **Wire-to-Panel, 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-Panel, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	12
Number of Power Positions	0
Number of Signal Positions	0
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Contact Layout	Matrix
Contact Retention Within Housing	Without



Contact Type	Pin
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Termination Features

Termination Method to Wire & Cable	Crimp
Wire/Cable Type	Discrete Wire

Mechanical Attachment

Connector Mounting Type	Panel Mount
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Housing Features

Centerline (Pitch)	4.2 mm[.165 in]
Housing Color	White
Housing Material	Polyamide

Dimensions

Row-to-Row Spacing	4.2 mm[.165 in]
Width	23.9 mm[.94 in]
Accepts Wire Insulation Diameter Range	1.2 – 3.1 mm[.047 – .122 in]
Height	9.6 mm[.378 in]
Length	26.4 mm[1.0394 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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Identification Marking

Circuit Identification Feature	With
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Industry Standards

UL Flammability Rating	UL 94V-2
Glow Wire Rating	GWT 750°C (Without Flame)
Agency/Standard Number	E28476
Agency/Standard	CSA, UL
UL Rating	Recognized
CSA File Number	208567

Packaging Features

Packaging Method	Bag
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Packaging Quantity500

Product Compliance

For compliance documentation, visit the product page on TE.com>

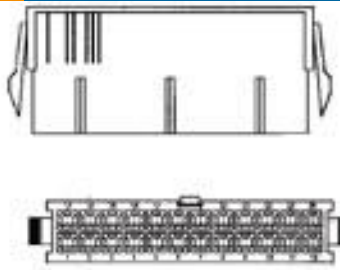
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205)
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable 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 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.

Customers Also Bought

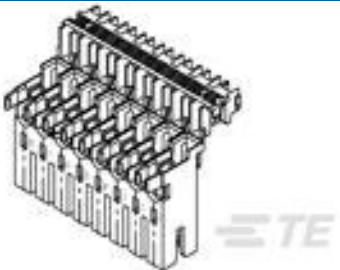




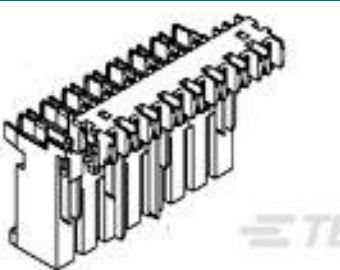
TE Model / Part #1586861-8
8P PM PLUG VAL-U-LOK PM GW



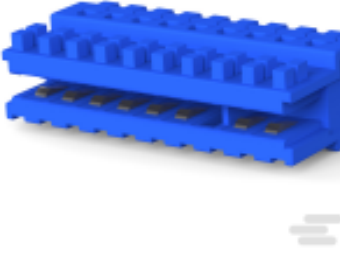
TE Model / Part #926306-5
UMNL 5 WAY CAP HSG



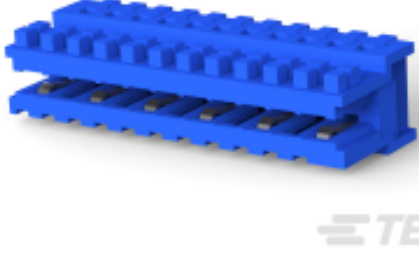
TE Model / Part #1-282045-1
AMP MONO-SHAPE P.C.B.CONN5P.
G




TE Model / Part #1-293003-5
MONO SHAPE TAB CONNECTOR 5
POS



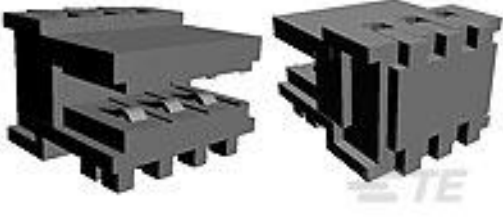
TE Model / Part #1-293153-9
DUOPLUG 2.5 STD KEYED CTCSS SEL




TE Model / Part #1-284931-1
DUOPLUG Standard, female conn.




TE Model / Part #1863006-1
12P UMNL CAP HSG



TE Model / Part #3-829868-9
7X 9P FEDERLEI 2,5



TE Model / Part #5-1703060-6
STANDARD TIMER SPECIAL
HOUSING UL94_V0



TE Model / Part #5677566032
RNF-3000-3/1-0-20MM

Documents

Product Drawings

12P PM PLUG VAL-U-LOK PM GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1586861-2_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1586861-2_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1586861-2_B.3d_stp.zip

English

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

Datasheets & Catalog Pages



VAL-U-LOK_GLOW_WIRE_CONNECTORS

English

Product Specifications
Application Specification

English

Agency Approvals
VDE Certificate

English