

20P PM PLUG VAL-U-LOK PM GW ✓ ACTIVE

VAL-U-LOK

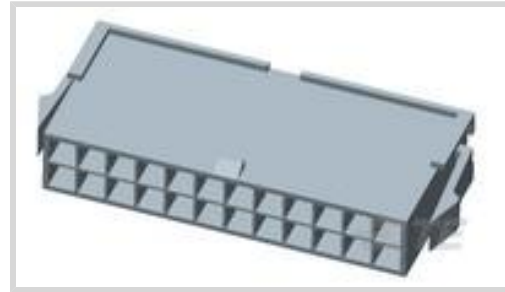
TE Part # 2-1969605-0

TE Internal #: 2-1969605-0

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Product Type: **Housing**

Housing Type: **Plug**

Connector System: **Wire-to-Panel, Wire-to-Wire**

Number of Positions: **20**

Centerline (Pitch): **4.2 mm [.165 in]**

Features

Product Type Features

Product Type	Housing
Housing Type	Plug
Connector System	Wire-to-Panel, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable
Contact Type	Pin

Configuration Features

Number of Positions	20
Number of Rows	2
Row-to-Row Spacing	.165 mm[4.2 in]

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Contact Retention	Without
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Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Connector Mounting Type	Panel
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Housing Features



Centerline (Pitch)	4.2 mm[.165 in]
UL Flammability Rating	UL 94V-2
Housing Color	White
Housing Material	Polyamide

Dimensions

Height	11.6 mm[.4567 in]
Length	43.2 mm[1.7 in]
Width	23.9 mm[.94 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

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

Packaging Features

Packaging Method	Bag
Packaging Quantity	500

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Not Yet Reviewed
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 2019 (197) Candidate List Declared Against: JAN 2019 (197)
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.



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 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 Part #939515-000
 FLHTC0311-26-1



TE Part #1633840-2
 ANVIL



TE Part #1803180-1
 ANVIL, COMBINATION



TE Part #1855129-3
 HDM w/FA
 EMHBPR140TAB140O G



TE Part #188120-7
 FASTON 250 REC 0.5-1.0
 MM2 TPPHBZ



TE Part #2266406-2
 OC-AT-S-FA-042F070F-
 001-0127



TE Part #7-1633860-4
 CRIMPER, WIRE F



TE Part #7-87522-2
 MOD IV RECP PLTD 30
 DPLX LF



TE Part #926298-5
 UN-MNL STECK-GEH 4P

Documents

[Product Drawings](#)



20P PM PLUG VAL-U-LOK PM GW

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2-1969605-0_A_c-2-1969605-0-a.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1969605-0_A_c-2-1969605-0-a.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1969605-0_A_c-2-1969605-0-a.3d_stp.zip](#)

English

Datasheets & Catalog Pages

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

English