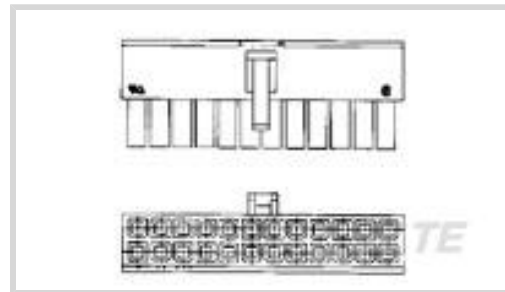




VAL-U-LOK

TE Internal #: 2-1586075-0

Rectangular Connector Housings, Wire-to-Wire, 15 Newton
Insertion Force, 20 Position, .165 in [4.2 mm] Centerline, 2 Row,
Nylon, Receptacle, Socket

[View on TE.com >](#)
[Connectors > Rectangular Connectors > Rectangular Connector Housings](#)
Connector System: **Wire-to-Wire**Insertion Force: **15 Newton**Number of Positions: **20**Centerline (Pitch): **4.2 mm [.165 in]**Row-to-Row Spacing: **4.2 mm [.165 in]**

Features

Product Type Features

| | |
|-----------------------------------|-------------------------------|
| Connector System | Wire-to-Wire |
| Connector & Housing Type | Receptacle |
| Sealable | No |
| Connector & Contact Terminates To | Wire & Cable |
| Connector Type | Housing |
| Product Type | Connector |
| Glow Wire Rating | Standard Part - Not Glow Wire |

Configuration Features

| | |
|---------------------|-----------|
| Insertion Force | 15 Newton |
| Number of Positions | 20 |
| Number of Rows | 2 |

Electrical Characteristics

| | |
|-------------------|---------|
| Operating Voltage | 600 VAC |
|-------------------|---------|

Contact Features

| | |
|--------------|--------|
| Contact Type | Socket |
|--------------|--------|

Mechanical Attachment

| | |
|-------------------------|----------------------------|
| Connector Mounting Type | Cable Mount (Free-Hanging) |
|-------------------------|----------------------------|

Housing Features



| | |
|--------------------|-----------------|
| Centerline (Pitch) | 4.2 mm[.165 in] |
| Housing Material | Nylon |
| Housing Color | Black |

Dimensions

| | |
|--------------------|------------------|
| Row-to-Row Spacing | 4.2 mm[.165 in] |
| Height | 11.8 mm[.464 in] |
| Length | 3.2 mm[.125 in] |
| Width | 20 mm[.787 in] |

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

| | |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Industry Standards

| | |
|------------------------|------------|
| CSA Rating | 208567 |
| Agency/Standard | CSA, UL |
| CSA File Number | 208567 |
| UL File Number | E28476 |
| UL Flammability Rating | UL 94V-2 |
| UL Rating | Recognized |

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 2022 (224) Candidate List Declared Against: JUL 2017 (174) SVHC > Threshold: Not Yet Reviewed |



Halogen Content

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

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.

Compatible Parts



TE Part # 2-794953-0
20P PM PLUG VAL-U-LOK V2



TE Part # 2-1586000-0
20P FH PLUG VAL-U-LOK V2



TE Part # 2-1969598-0
20P FH PLUG VAL-U-LOK V2



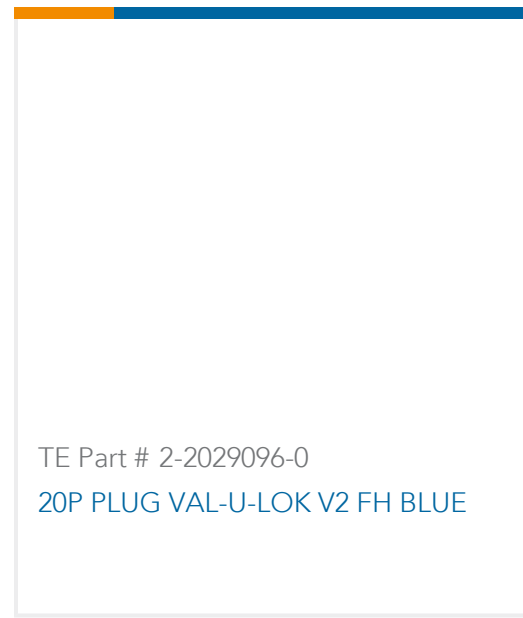
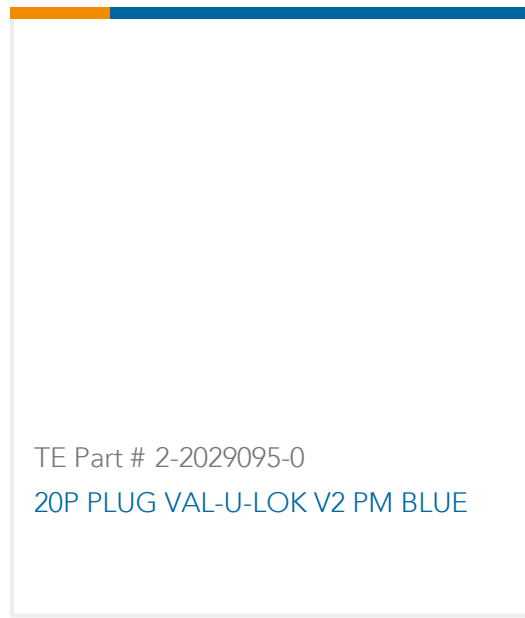
TE Part # 2-1969599-0
20P PM PLUG VAL-U-LOK V2

TE Part # 2-2029027-0
20P PLUG VAL-U-LOK FH V2 BLK

TE Part # 2-2029088-0
20P PLUG VAL-U-LOK V2 PM BLK

TE Part # 2-2029089-0
20P PLUG VAL-U-LOK V2 PM RED

TE Part # 2-2029090-0
20P PLUG VAL-U-LOK V2 FH RED



Documents

Product Drawings

[20P RCPT VAL-U-LOK V2 BLK](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2-1586075-0_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1586075-0_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1586075-0_B.3d_stp.zip](#)

English

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

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English