

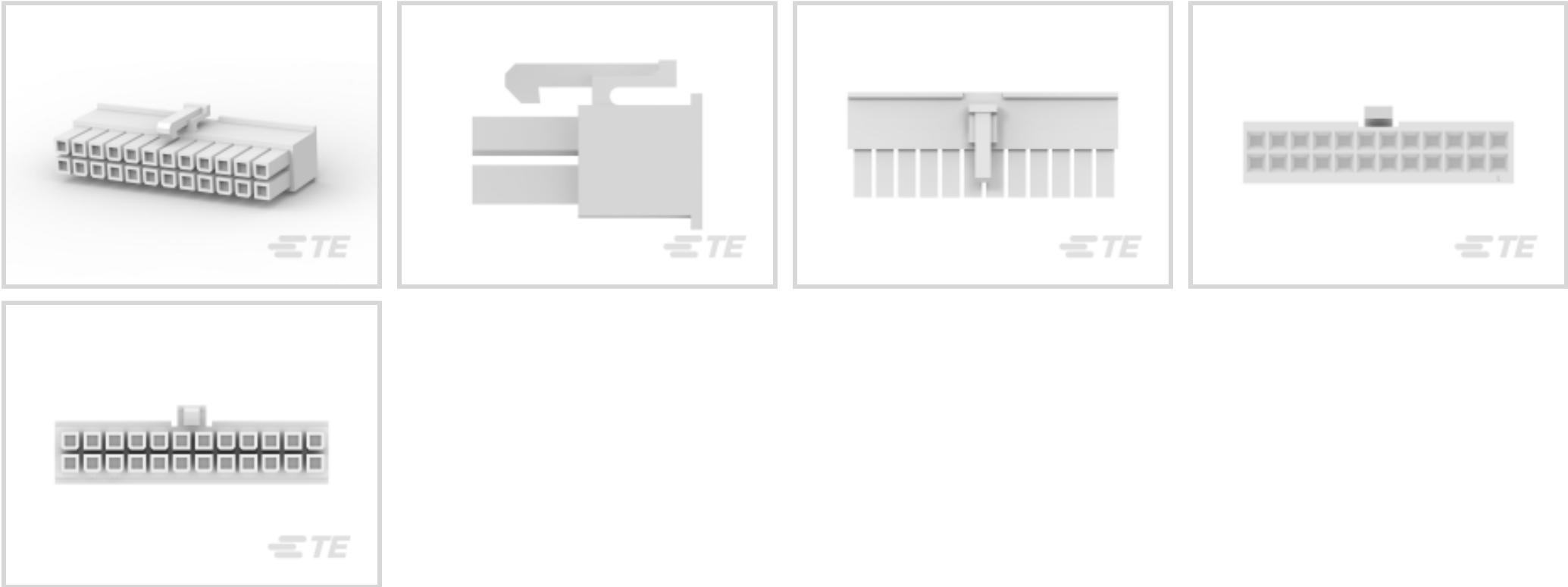


VAL-U-LOK

TE Internal #: 2-1586019-4
Housing, Receptacle, Wire-to-Board / Wire-to-Wire, 24 Position, 4.2 mm [.165 in] Centerline, Wire & Cable, UL 94V-0, Rectangular Power Connectors

[View on TE.com >](#)

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**
Connector & Housing Type: **Receptacle**
Connector System: **Wire-to-Board, Wire-to-Wire**
Number of Positions: **24**
Centerline (Pitch): **4.2 mm [.165 in]**

Features

Identification Marking

Circuit Identification Feature	With
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Packaging Features

Packaging Quantity	500
Packaging Method	Bag

Dimensions

Compatible Insulation Diameter Range	1.2 – 3.1 mm[.047 – .122 in]
Product Width	20 mm[.787 in]
Product Length	51.6 mm[2.031 in]
Connector Height	11.8 mm[.464 in]
Row-to-Row Spacing	4.2 mm[.165 in]

Contact Features

Contact Layout	Matrix
Contact Retention Within Housing	Without
Contact Type	Receptacle



Industry Standards

Compatible With Agency/Standards Products	UL
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Configuration Features

Insertion Force	15 Newton
Compatible With Wire & Cable Type	Discrete Wire
Number of Positions	24
Number of Rows	2

Product Type Features

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

Electrical Characteristics

Operating Voltage	600 VAC
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Termination Features

Termination Method to Wire & Cable	Crimp
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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	Nylon

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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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 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 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 # 2-1969612-4
24P FH PLUG VAL-U-LOK V0

TE Part # 2-1586587-4
24P VAL-U-LOK BMI VRT HDR V0

TE Part # 2-1586018-4
24P PM PLUG VAL-U-LOK V0

TE Part # 2-1969613-4
24P PM PLUG VAL-U-LOK V0

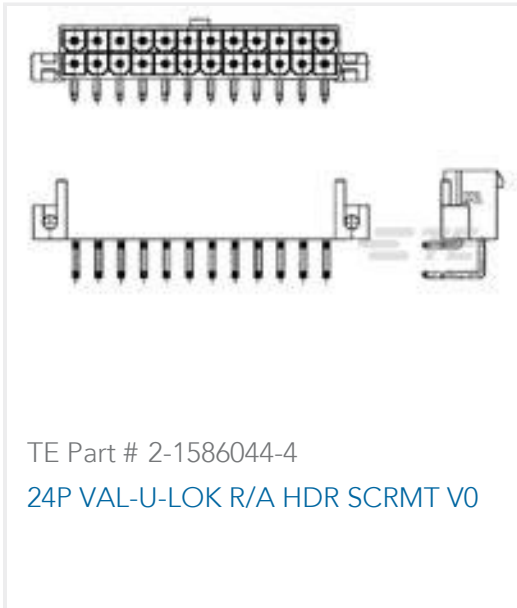




TE Part # 2029097-2
2P RCPT VAL-U-LOK V2 BLUE



TE Part # 2-1586042-4
24P VAL-U-LOK R/A HDR V0



TE Part # 2-1586044-4
24P VAL-U-LOK R/A HDR SCRMT V0



TE Part # 2-1586038-4
24P VRT HDR VAL-U-LOK V0



TE Part # 2-1586017-4
24P FH PLUG VAL-U-LOK V0



TE Part # 2-1586040-4
24P VAL-U-LOK VRT HDR W/P V0

Customers Also Bought



TE Part #5745116-2
50 RCPT RA/MS STD



TE Part #CAT-T3437-R819
RPS Commercial Grade Sleeves



TE Part #1-215460-2
MICRO-MATCH FEM.SE



TE Part #2-320554-1
PIDG R 22-16 COMM 22-18 MIL 8



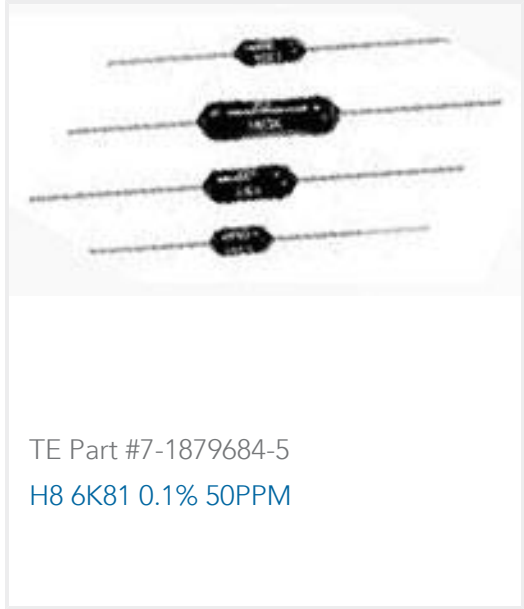
TE Part #5745395-2
HD-20 RCPT 9P RA 318 FFSCRLK



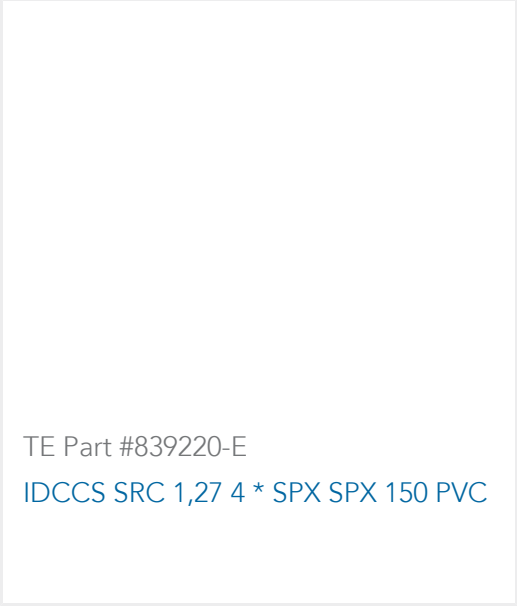
TE Part #7574444009
RAYRIM-NR8-0-SP



TE Part #6318384-5
025 40POS CAP ASSY H AU



TE Part #7-1879684-5
H8 6K81 0.1% 50PPM



TE Part #839220-E
IDCCS SRC 1,27 4 * SPX SPX 150 PVC

Documents



CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1586019-4_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-1586019-4_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1586019-4_C.3d_stp.zip

English

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Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English