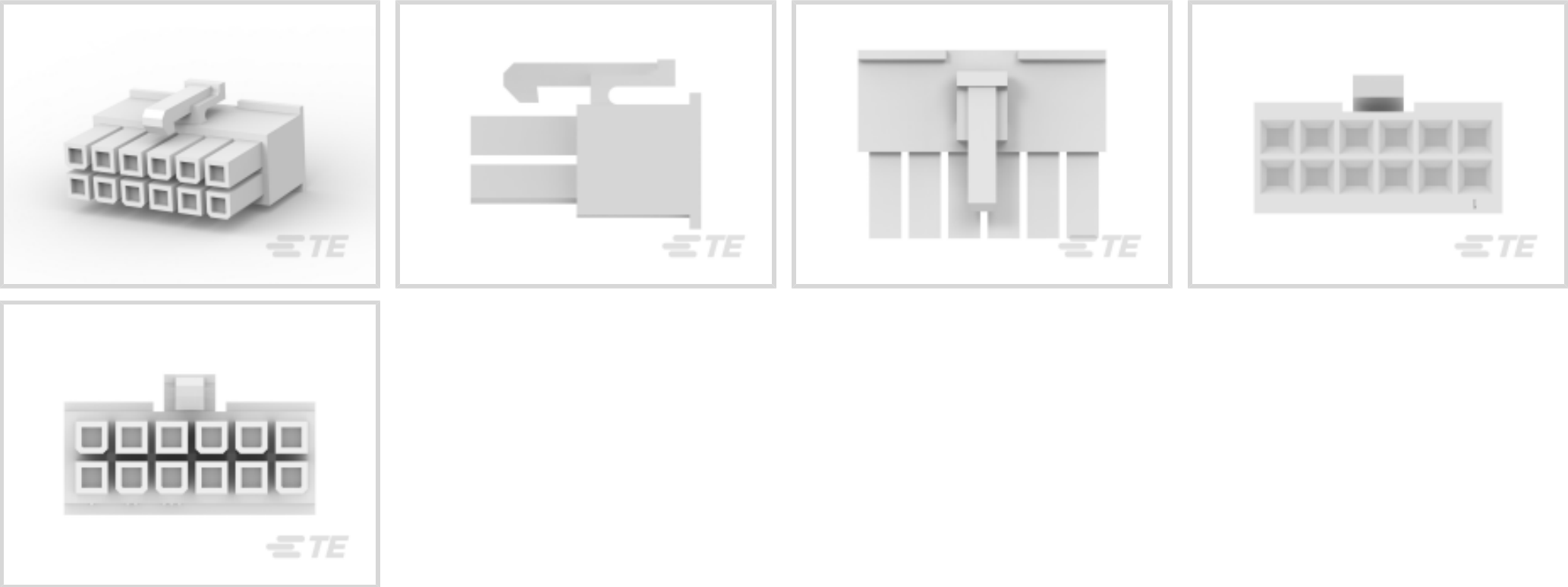




Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Housing**
Connector & Housing Type: **Receptacle**
Termination Method to Wire & Cable: **Crimp**
Connector System: **Wire-to-Board, Wire-to-Wire**
Contact Retention Within Housing: **Without**

Features

Product Type Features

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

Configuration Features

Insertion Force	15 Newton
Number of Positions	12
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Primary Product Color	White
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Contact Features

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Multiple Contact Types	With
Contact Layout	Matrix
Contact Type	Receptacle
Contact Retention Within Housing	Without

Termination Features

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

Housing Material	Nylon
Centerline (Pitch)	4.2 mm[.165 in]

Dimensions

Row-to-Row Spacing	4.2 mm[.165 in]
Compatible Insulation Diameter Range	1.2 – 3.1 mm[.047 – .122 in]
Connector Width	20 mm[.787 in]
Connector Height	11.8 mm[.464 in]
Connector Length	26.4 mm[1.118 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

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

Packaging Features

Packaging Quantity	500
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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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 # 1-1586017-2
12P FH PLUG VAL-U-LOK V0

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

TE Part # 1-1969612-2
12P FH PLUG VAL-U-LOK V0

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



TE Part # 1-1969613-2
12P PM PLUG VAL-U-LOK V0

TE Part # 1-1586018-2
12P PM PLUG VAL-U-LOK V0

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

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

TE Part # 2029100-4
4P RCPT VAL-U-LOK V0 BLUE

Customers Also Bought

TE Part #1586019-6
6P RCPT VAL-U-LOK V0

TE Part #1586841-1
VAL-U-LOK SKT 16AWG BR SN LP

TE Part #1586019-8
8P RCPT VAL-U-LOK V0

TE Part #1586043-2
2P VAL-U-LOK R/A HDR SCR MT V2

TE Part #54315-1
MTG ADAPTER, POWER LOCK, SRS 1

TE Part #1586019-2
2P RCPT VAL-U-LOK V0

TE Part #1-1586019-0
10P RCPT VAL-U-LOK V0

TE Part #5499910-5
A/L UNIV HDR 24P VERT SHT LAT

TE Part #62109-1
250 FASTON REC 18-14 AWG BR

TE Part #F77529-000
WP-381191-5-9

Documents



CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1586019-2_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1586019-2_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1586019-2_C.3d_stp.zip

English

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

Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English

UL Report

English