



VAL-U-LOK

TE Internal #: 1-1586862-6
Rectangular Connector Housings, Wire-to-Wire, 16 Position, .165 in [4.2 mm] Centerline, 2 Row, Polyamide, Plug, Pin, Wire & Cable, Power
[View on TE.com >](#)

Connectors > Rectangular Connectors > Rectangular Connector Housings



Connector System: **Wire-to-Wire**
Number of Positions: **16**
Centerline (Pitch): **4.2 mm [.165 in]**
Number of Rows: **2**
Housing Material: **Polyamide**

Features

Product Type Features

Connector System	Wire-to-Wire
Connector & Housing Type	Plug
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Insertion Force	15 Newton
Compatible With Wire & Cable Type	Discrete Wire
Number of Signal Positions	16
Number of Positions	16
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Contact Layout	Matrix
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Contact Type	Pin
Mechanical Attachment	
Connector Mounting Type	Cable Mount (Free-Hanging)
Housing Features	
Housing Color	White
Centerline (Pitch)	4.2 mm[.165 in]
Housing Material	Polyamide
Dimensions	
Connector Height	11.6 mm[.45 in]
Product Width	23.9 mm[.94 in]
Product Length	34.8 mm[1.37 in]
Row-to-Row Spacing	4.2 mm[.165 in]
Usage Conditions	
Operating Temperature Range	-40 - 105 °C[-40 - 221 °F]
Operation/Application	
Circuit Application	Power
Identification Marking	
Circuit Identification Feature	With
Industry Standards	
CSA Rating	208567
Glow Wire Rating	Glow Wire
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-2
Packaging Features	
Packaging Quantity	500
Packaging Method	Box
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 2024 (240) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
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 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 # 1-1586765-6
16P RCPT VAL-U-LOK GW

TE Part # 1-2029265-6
16P VAL-U-LOK VRTHDR W/PGS GW

TE Part # 1-2029059-6
16P VAL-U-LOK VRTHDR W/PGS GW

TE Part # 1-1586768-6
16P VERT HDR VAL-U-LOK GW

TE Part # 1-1586863-6
16P VAL-U-LOK R/A HDR GW

TE Part # 1-2296205-6
16P RCPT VAL-U-LOK GWT/V0

Customers Also Bought





TE Part # 1-2296206-2
12P FH PLUG VAL-U-LOK FH GWT/V0



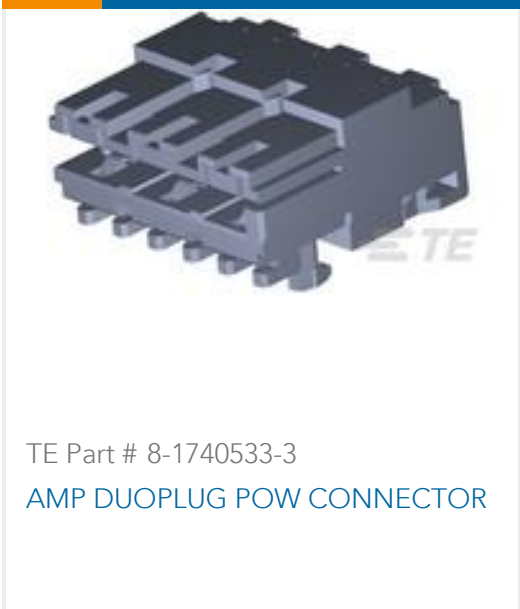
TE Part # 1-1534073-3
MULTIFIT MK2 ASSY3P



TE Part # 1969609-6
6P VAL-U-LOK TPA 26-22 AWG



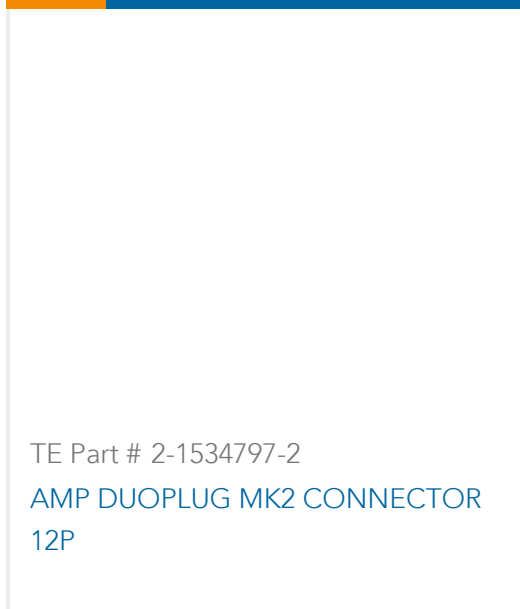
TE Part # 2315717-5
STD TIMER PLUG HSG 4P MKII



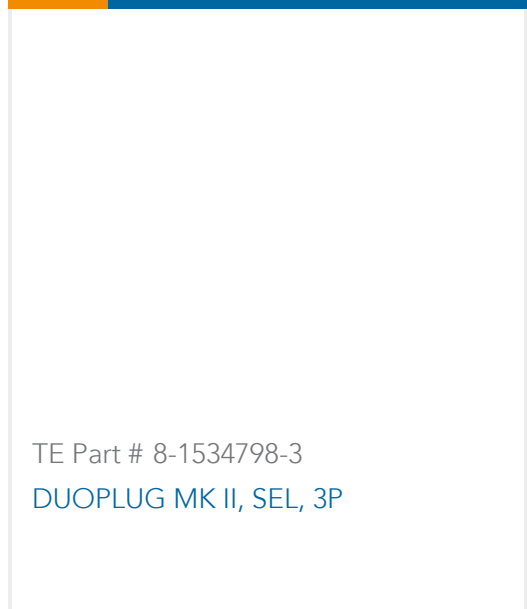
TE Part # 8-1740533-3
AMP DUOPLUG POW CONNECTOR



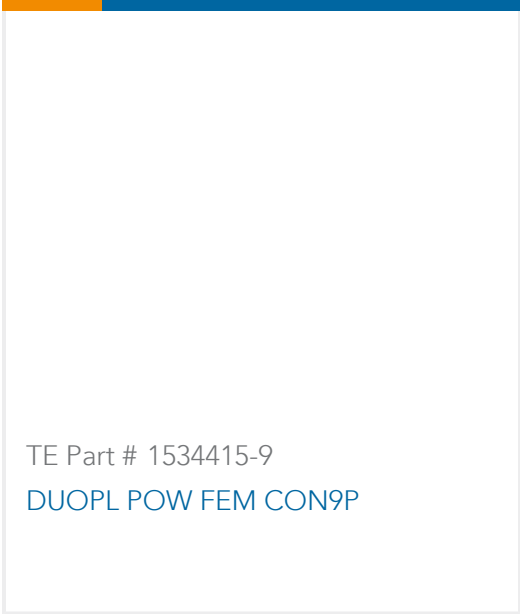
TE Part # 9-1534798-3
DUOPLUG MKII SELECTIVELY LOADED 3P



TE Part # 2-1534797-2
AMP DUOPLUG MK2 CONNECTOR 12P



TE Part # 8-1534798-3
DUOPLUG MK II, SEL, 3P



TE Part # 1534415-9
DUOPL POW FEM CON9P

Documents

Product Drawings
16P FH PLUG VAL-U-LOK FH GW

English

CAD Files
3D PDF

3D

Customer View Model
ENG_CVM_CVM_1-1586862-6_B_c-1-1586862-6-b.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_1-1586862-6_B_c-1-1586862-6-b.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_1-1586862-6_B_c-1-1586862-6-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