



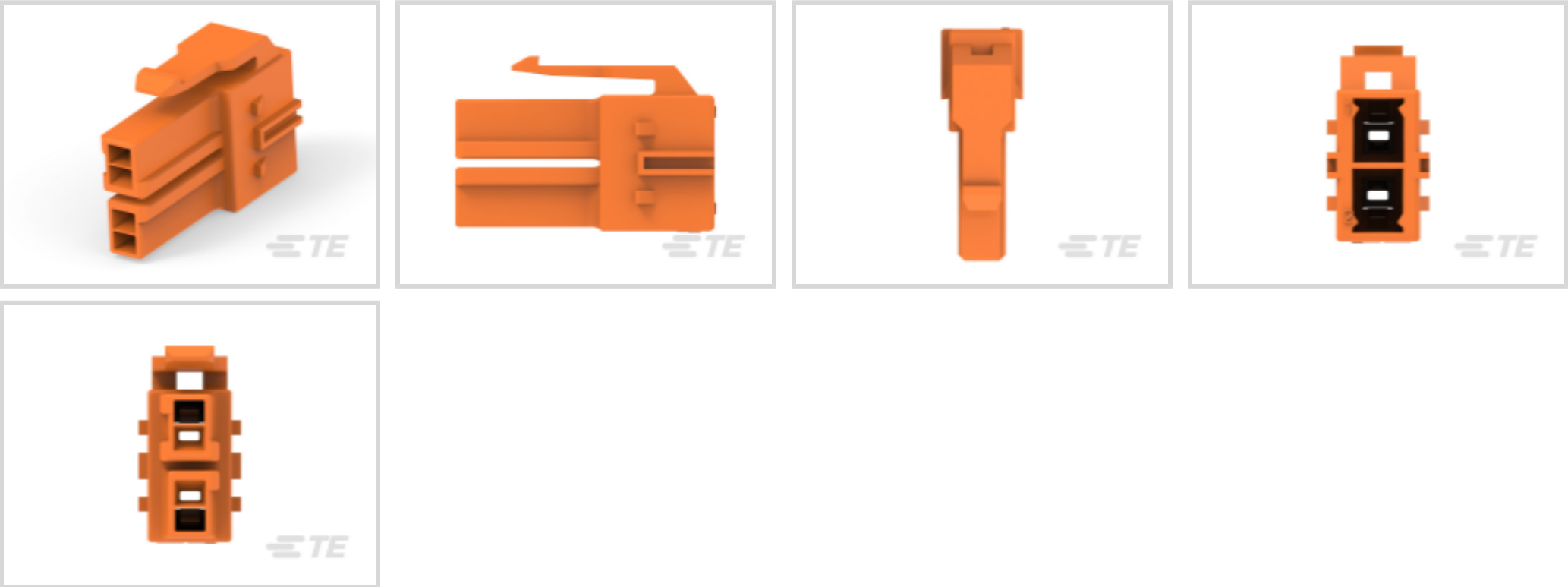
QP 6.5

TE Internal #: 2465651-1

2 Position, Plug, Housing, Wire-to-Board, Pre-Tin, UL 94V-0, 6.5 mm
[.256 in] Centerline, 2 Row, 600 VAC, Wire & Cable, Power, QP 6.5

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Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

Connector System: **Wire-to-Board**

Contact Mating Area Plating Material: **Pre-Tin**

UL Flammability Rating: **UL 94V-0**

Features

Product Type Features

Compatible With Discrete Wire Type	Stranded
Connector Product Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	2
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features

Contact Layout	Inline
Contact Mating Area Plating Material	Pre-Tin



Contact Type	Receptacle
Contact Current Rating (Max)	10 A

Housing Features

Centerline (Pitch)	6.5 mm[.256 in]
Housing Material	PBT GF15

Dimensions

Wire Size	16 – 22 AWG
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Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

UL Flammability Rating	UL 94V-0
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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	Out of Scope
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

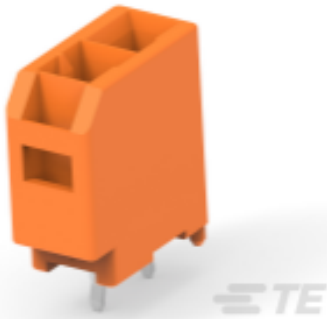
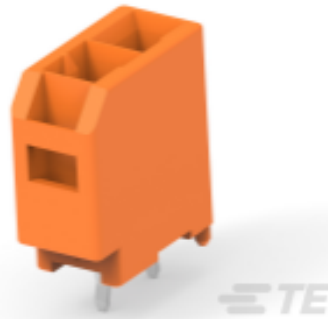
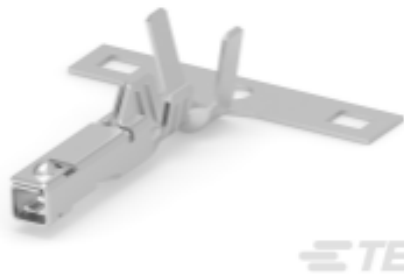
Product Compliance Disclaimer

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

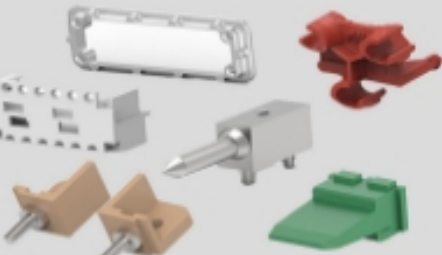
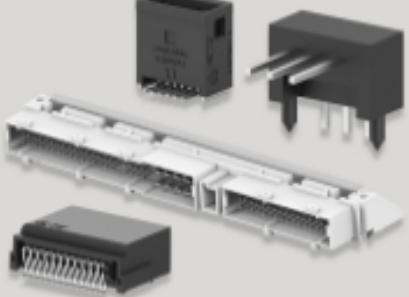


substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex 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.

Compatible Parts

 TE Part # 2497469-2 QP6.5 2P TPA	 TE Part # 2499173-1 QP 6.5 HDR ASSY, 2P, ORANGE, TUBE PKG	 TE Part # 2465614-1 QP 6.5 HDR ASSY, 2P, ORANGE, TRAY PKG	 TE Part # 2465656-1 QP 6.5 RECPT, 16-22AWG
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Also in the Series | QP 6.5

 Connector Contacts(1)	 Connector Hardware(3)	 PCB Headers & Receptacles(31)	 Power Contacts(1)
 Rectangular Power Connectors(50)	 Wire-to-Board Connector Assemblies & Housings(19)	 Wire-to-Board Headers & Receptacles (31)	

Documents

- Product Drawings

QP 6.5 PLUG HOUSING, 2P, ORANGE

English
- CAD Files

Customer View Model

ENG_CVM_CVM_2465651-1_A.2d_dxf.zip

English

3D PDF



3D

Customer View Model
[ENG_CVM_CVM_2465651-1_A.3d_stp.zip](#)

English

Customer View Model
[ENG_CVM_CVM_2465651-1_A.3d_igs.zip](#)

English

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

Datasheets & Catalog Pages
[QP-6.5-Multi-Color-Power-Connector](#)

English

Product Specifications
[Application Specification](#)

English

Agency Approvals
[UL](#)

English