

1648110-1 ✓ ACTIVE

ELCON

TE Internal #: 1648110-1

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 22
Position, 7.62 mm / 3.81 mm [.3 in / .15 in] Centerline, Wire &
Cable, UL 94V-0

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

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

Number of Positions: **22**

Centerline (Pitch): **3.81 mm, 7.62 mm [.15 in, .3 in]**

Features

Product Type Features

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

Configuration Features

Number of Positions	22
Number of Rows	3

Electrical Characteristics

Operating Voltage	250 VDC
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Contact Features

Contact Type	Pin
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Termination Features

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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)	3.81 mm, 7.62 mm [.15 in] [.3 in]
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Housing Color	Black
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Housing Material	Thermoplastic
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Dimensions

Row-to-Row Spacing	3.3 mm [.13 in]
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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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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Carton
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Wave solder capable to 265°C
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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 # 1648115-1
222-0010-01100=SA CONN,SKT



TE Part # 1650106-1
902-84-02113=SCREW,SHOULDER,#6-32



TE Part # 1650402-1
902-83-02113=SCREW,SHLDR,8-32



TE Part # 1650589-1
903-19-02113=SCREW,SHOULDER,M4

Documents

Product Drawings

[221-0010-01100=SA CONN,PIN](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1648110-1_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1648110-1_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1648110-1_C.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[POWER_CONNECTORS_CATALOG_SEC02_CABLE_MOUNTED](#)

English

[AMP & ELCON Power Connector Layout Forms Datasheet 6-1773444-7](#)

English

Product Specifications

[Application Specification](#)

1648110-1

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 22 Position, 7.62 mm / 3.81 mm [.3 in / .15 in] Centerline, Wire & Cable, UL 94V-0



English

Product Environmental Compliance

[MD_1648110-1_04102018139_dmtec](#)

English

[MD_1648110-1_04102018139_dmtec](#)

English