

6643222-1  ACTIVE

TE Internal #: 6643222-1

Rectangular Power Connectors, Connector Assembly, Plug, Board-to-Board / Wire-to-Board, 1 Position, 2.54 mm [.1 in] Centerline, Printed Circuit Board

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors

Rectangular Power Connector Type: **Connector Assembly**Connector & Housing Type: **Plug**Connector System: **Board-to-Board, Wire-to-Board**Number of Positions: **1**Centerline (Pitch): **2.54 mm [.1 in]**

Features

Product Type Features

Rectangular Power Connector Type	Connector Assembly
Connector & Housing Type	Plug
Connector System	Board-to-Board, Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	1
PCB Mount Orientation	Right Angle
Number of Power Positions	0
Number of Signal Positions	0
Number of Rows	1
Board-to-Board Configuration	Co-Planar

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Mating Post Length	11.94 mm [.47 in]
Contact Fabrication	Solid
PCB Contact Termination Area Plating Material Thickness	5.08 µm [200 µin]
Contact Mating Area Plating Material	Silver

Contact Base Material	Copper Alloy
Contact Current Rating (Max)	25 A, 35 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Silver
Contact Mating Area Plating Material Thickness	5.08 µm[200 µin]

Termination Features

Termination Post & Tail Length	4.57 mm[.18 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit

Mechanical Attachment

Mating Retention	Without
Mating Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Action/Compliant Tail
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
Housing Color	Black
Housing Material	Polyester

Dimensions

Connector Height	8.38 mm[.33 in]
PCB Thickness (Recommended)	2.38 mm[.094 in]
Product Width	7.37 mm[.29 in]
Product Length	25.32 mm[.997 in]

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 Rating	Recognized
Compatible With Agency/Standards Products	UL
Compatible With Approved Standards Products	UL 1977

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	96
Packaging Method	Carton

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://te.com)>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2023 (233) SVHC > Threshold: Pb (3.7% in Component Part) <small>Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.</small>
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 # 6643220-1
SLIMLINE,ICCON,SKT,ASSY

Customers Also Bought



TE Part # 5177983-4
0.8FH,R05H.5,100,08/Sn,TU



TE Part # 1623731-1
BCHE 5 W 10K 5%



TE Part # 1622382-1
LR1 1% 20K



TE Part # 1622545-1
LR1 1% 680R



TE Part # 2176411-3
1/2W SM M/OX 5% 13K



TE Part # 5677584004
RNF-3000-9/3-0-SP

Documents

Product Drawings

[SLIMLINE,ICCON,PIN,ASSY](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_6643222-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6643222-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6643222-1_A.3d_stp.zip](#)

English

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Datasheets & Catalog Pages[POWER_CONNECTORS_CATALOG_SEC01_BOARD_TO_BOARD](#)

English

[2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1](#)

English

Product Specifications[Application Specification](#)

English