

6643272-1 ✓ ACTIVE

ICCON

TE Internal #: 6643272-1

Rectangular Power Connectors, Connector Assembly, Receptacle,

Board-to-Board / Wire-to-Board, 1 Position, 2.54 mm [.1 in]

Centerline, ICCON

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

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	Receptacle
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	0 VDC
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### Contact Features

Contact Fabrication	Stamped & Formed
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	35 A



Contact Retention Within Housing	Without
Contact Type	Socket
PCB Contact Termination Area Plating Material	Silver
Contact Mating Area Plating Material	Gold, Silver
Contact Mating Area Plating Material Thickness	.76 $\mu\text{m}$ , 29.92 $\mu\text{m}$ [29.92 $\mu\text{in}$ ]
Contact Termination Area Plating Thickness	5.08 $\mu\text{m}$ [200 $\mu\text{in}$ ]

### Termination Features

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

### Mechanical Attachment

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

### Housing Features

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

### Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
Width	12.29 mm[.484 in]
Height	10.16 mm[.4 in]
Length	16.89 mm[.665 in]

### Usage Conditions

Operating Temperature Range	-40 – 105 $^{\circ}\text{C}$ [-40 – 221 $^{\circ}\text{F}$ ]
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### Operation/Application

Circuit Application	Power
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### Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard Number	UL 1977



Agency/Standard	UL
UL Rating	Recognized

### Packaging Features

Packaging Method	Bag
Packaging Quantity	80

### 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: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

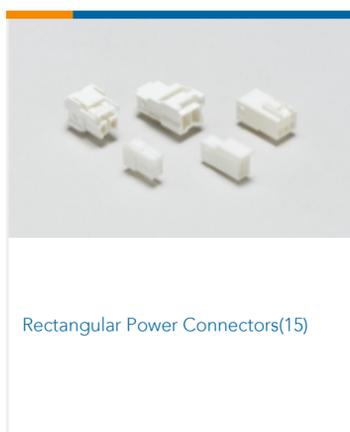
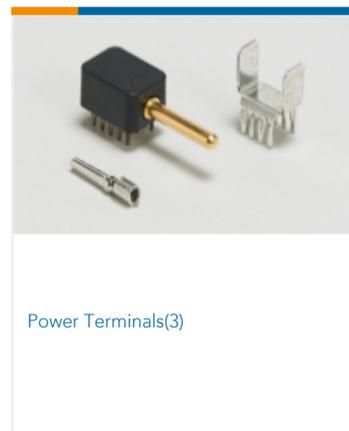
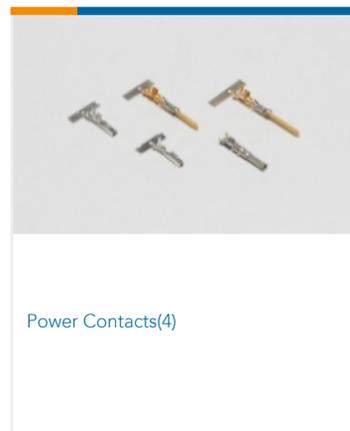
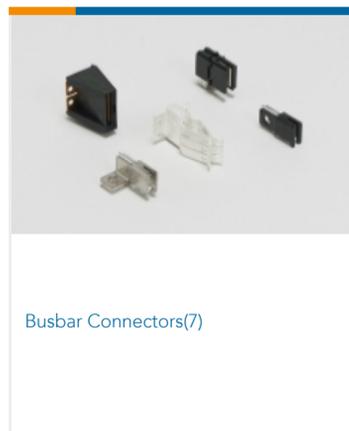
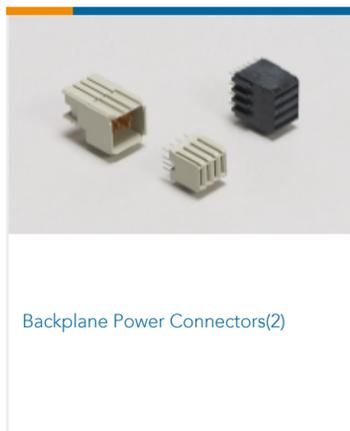
#### Product Compliance Disclaimer

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



Also in the Series | **ICCON**



Documents



### Product Drawings

[ICCON,SKT,ASSY](#)

English

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### CAD Files

Customer View Model

[ENG\\_CVM\\_6643272-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_6643272-1\\_A.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_6643272-1\\_A.2d\\_dxf.zip](#)

English

[3D PDF](#)

English

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

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### Datasheets & Catalog Pages

[POWER\\_CONNECTORS\\_CATALOG\\_SEC01\\_BOARD\\_TO\\_BOARD](#)

English

[2\\_PIECE\\_POWER\\_CONNECTORS\\_qrg\\_4-1773458-1](#)

English

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### Product Specifications

[Application Specification](#)

English