



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

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

Number of Positions: **1**

Number of Rows: **1**

Centerline (Pitch): **2.54 mm [.1 in]**

Features

Product Type Features

Connector Shape	Rectangular
PCB Connector Type	PCB Mount Receptacle
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Number of Positions	1
Number of Rows	1
PCB Mount Orientation	Vertical
Board-to-Board Configuration	Perpendicular
Number of Power Positions	1

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Primary Product Color	Black
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Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.016 μm[40 μin]



Contact Fabrication	Stamped & Formed
PCB Contact Termination Area Plating Material Thickness	5.08 μm[200 μin]
Contact Layout	Inline
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Silver (Ag)
Contact Type	Socket
Contact Current Rating (Max)	35 A
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 PCB	Through Hole - Press-Fit

Mechanical Attachment

Mating Retention	Without
Connector Mounting Type	Board Mount
Mating Alignment	Without
PCB Mount Alignment	Without
PCB Mount Retention	Without

Housing Features

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

Dimensions

Connector Width	12.24 mm[.482 in]
Connector Height	13.21 mm[.52 in]
Connector Length	12.7 mm[.5 in]
PCB Thickness (Recommended)	1.57 – 3.18 mm[.062 – .125 in]

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]

Operation/Application

Circuit Application	Power
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Industry Standards

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Compatible With Agency/Standards Products	UL
UL Rating	Recognized
Compatible With Approved Standards Products	UL 1977
Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	1
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	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: JAN 2025 (247) 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 # 6643266-1
ICCON,PIN,ASSY



TE Part # 6643451-1
ICCON,PIN,ASSY



TE Part # 6643275-1
ICCON,PIN,ASSY



TE Part # 6643442-1
ICCON,PIN,ASSY



TE Part # 6643431-1
ICCON,PIN,ASSY



TE Part # 6643281-1
ICCON,PIN,ASSY



TE Part # 6643274-1
ICCON,PIN,ASSY

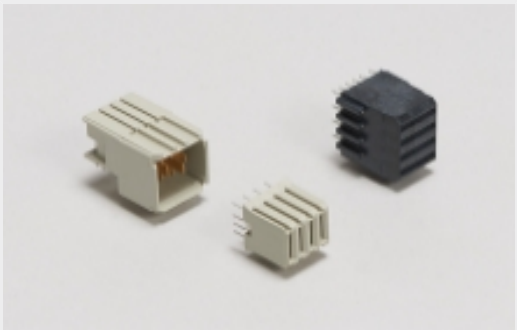


TE Part # 6643432-1
ICCON,PIN,ASSY

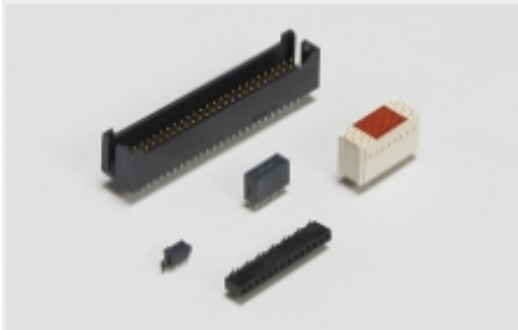


TE Part # 1766817-1
CONTACT,PIN

Also in the Series | **ICCON**



Backplane Power Connectors(2)



Board-to-Board Headers & Receptacles(5)



Connector Contacts(2)



PCB Terminals(3)

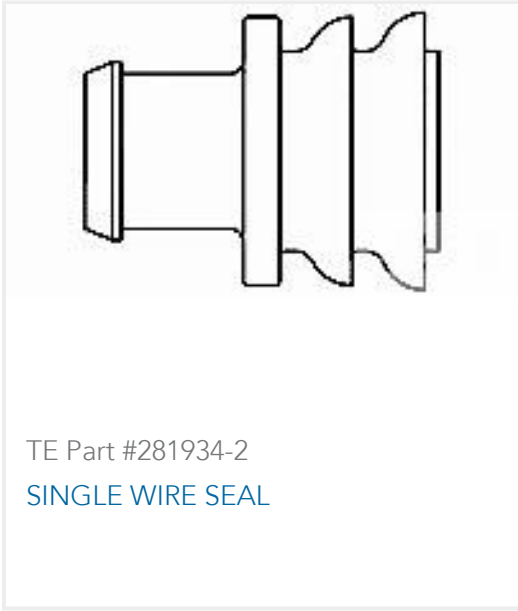
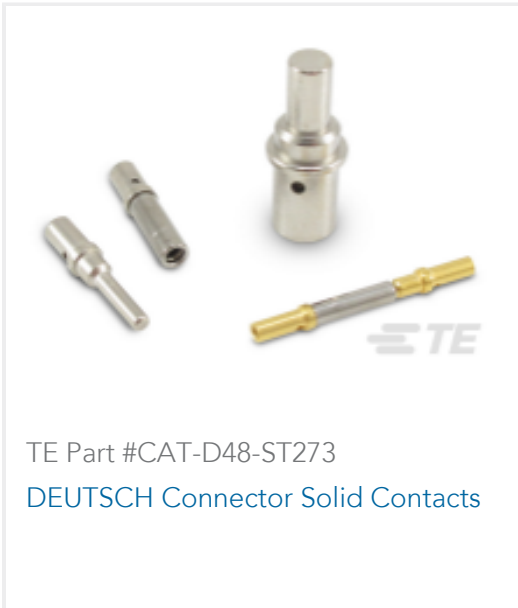


Power Contacts(2)



Rectangular Power Connectors(5)

Customers Also Bought



Documents

Product Drawings

ICCON,SKT,ASSY

English

CAD Files

Customer View Model

ENG_CVM_6643269-1_A1.3d_igs.zip

English

Customer View Model

ENG_CVM_6643269-1_A1.3d_stp.zip

English

Customer View Model

ENG_CVM_6643269-1_A1.2d_dxf.zip

English

3D PDF

English

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

Datasheets & Catalog Pages

POWER_CONNECTORS_CATALOG_SEC01_BOARD_TO_BOARD

English

Product Specifications

Application Specification

English