



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Plug**

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 Plug
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	1
Number of Rows	1
PCB Mount Orientation	Right Angle
Board-to-Board Configuration	Parallel
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	Solid



PCB Contact Termination Area Plating Material Thickness	5.08 μm[200 μin]
Contact Layout	Inline
Contact Base Material	Brass Alloy
Contact Mating Area Plating Material	Silver (Ag)
Contact Type	Pin
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	3.81 mm[.15 in]
Termination Method to PCB	Through Hole - Solder

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	10.16 mm[.4 in]
Connector Height	10.16 mm[.4 in]
Connector Length	38.1 mm[1.5 in]
PCB Thickness (Recommended)	1.57 – 2.36 mm[.062 – .093 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

Compatible With Agency/Standards Products	UL
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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	28
Packaging Method	Tray

Product Compliance

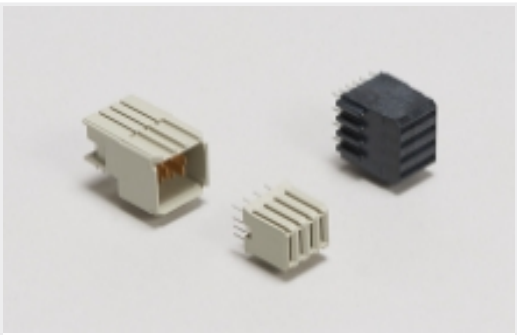
For compliance documentation, visit the product page on TE.com>

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: JUNE 2025 (250) Candidate List Declared Against: JUNE 2022 (224) SVHC > Threshold: Pb (3.7% in Component Part) 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.
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>

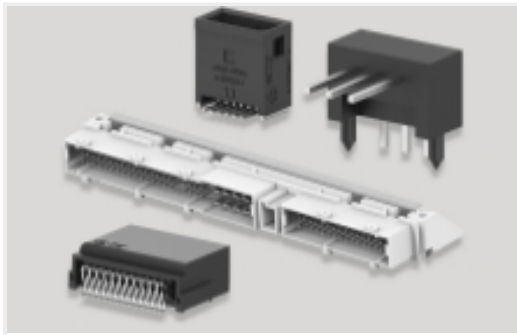
Also in the Series | ICCON



Backplane Power Connectors(2)



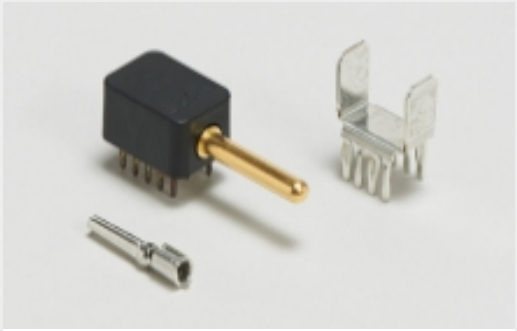
Connector Contacts(2)



PCB Headers & Receptacles(5)



Power Contacts(2)



Power Terminals(3)



Rectangular Power Connectors(5)

Customers Also Bought



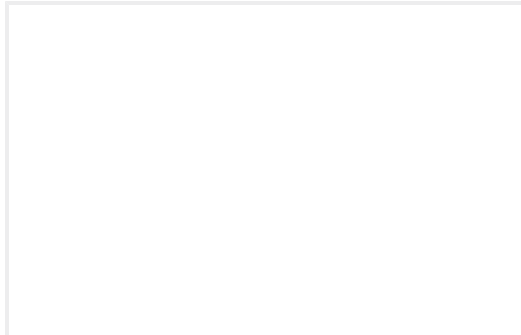
TE Part #770581-1
12P MINI UMNL PLUG HSG



TE Part #794407-1
MINI UNML SCKT 20-16 AWG SN



TE Part #6643283-1
ICCON,PIN,ASSY



TE Part #4-1393159-6
20C314=SPRING,HOLD,DOWN,KUP

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6643433-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6643433-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6643433-1_A.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_SEC01_BOARD_TO_BOARD

English



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- Product Specifications
 - Application Specification
 - English