



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

Connector System: **Board-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
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	1
PCB Mount Orientation	Right Angle
Number of Power Positions	1
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 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
Contact Mating Area Plating Material Thickness	.76 µm[29.92 µin]

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

Connector Mounting Type	Board Mount
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Housing Features

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

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

Packaging Features

Packaging Method	Bag
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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: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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

 TE Part # 6643283-1 ICCON,PIN,ASSY	 TE Part # 6643274-1 ICCON,PIN,ASSY	 TE Part # 6643433-1 ICCON,PIN,ASSY	 TE Part # 6643442-1 ICCON,PIN,ASSY
 TE Part # 6643281-1 ICCON,PIN,ASSY	 TE Part # 6643275-1 ICCON,PIN,ASSY	 TE Part # 6643432-1 ICCON,PIN,ASSY	 TE Part # 6643266-1 ICCON,PIN,ASSY
 TE Part # 6643451-1 ICCON,PIN,ASSY	 TE Part # 6643431-1 ICCON,PIN,ASSY	 TE Part # 1766817-1 CONTACT,PIN	 TE Part # 1766157-1 CONTACT,PIN,#10



TE Part # 6643276-1
ICCON,PIN,ASSY



TE Part # 6643450-1
ICCON,PIN,ASSY



TE Part # 6643271-1
ICCON,PIN,ASSY



TE Part # 6643436-1
ICCON,PIN,ASSY



TE Part # 6643437-1
ICCON,PIN,ASSY



TE Part # 6643443-1
ICCON,PIN,ASSY



TE Part # 6643449-1
ICCON,PIN,ASSY

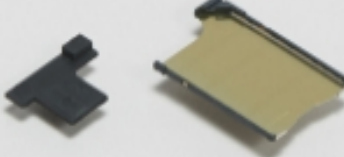


TE Part # 1766815-1
CONTACT,PIN,#10-32 EXT THD,
GROUND

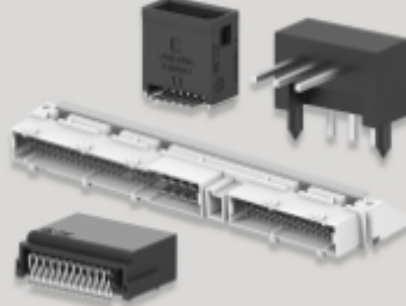
Also in the Series | AMP-METRIMATE



Card Edge Power Connectors(1)



Card Guide Hardware(1)



PCB Headers & Receptacles(3)



Rack & Panel Connectors(1)



Rectangular Power Connectors(9)



RJ45 Connectors(51)

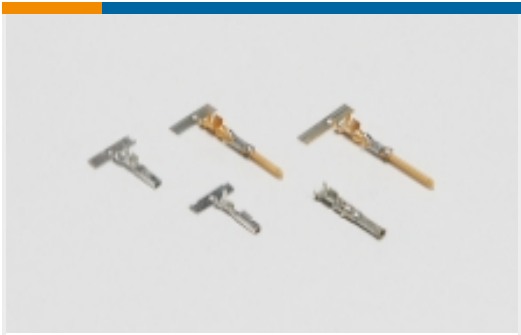


SO DIMM Sockets(12)

Also in the Series | ICCON



Busbar Connectors(7)



Power Contacts(4)



Power Terminals(3)



Rectangular Power Connectors(15)

Customers Also Bought



TE Part #5747150-9
09 RCPT SP/FMS INSRT



TE Part #1-5745967-0
25 RCPT SP/FMS INSRT



TE Part #6-2176070-0
3521 3K0 1% 2W



TE Part #1825174-3
APA1FGRA04



TE Part #5557560-1
MJ,1X2,R/A,8P,IR COMP,NO SHLD



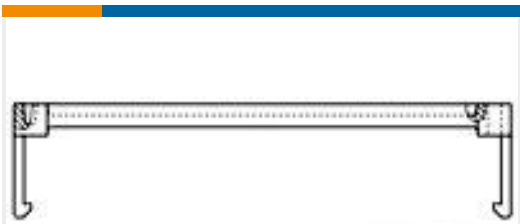
TE Part #5-146280-4
04 MODII HDR SRST B/A .100CL



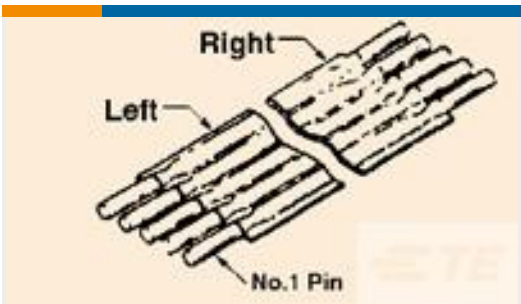
TE Part #6-534998-3
26 MODIV VRT DR CE 100/125



TE Part #6274359-1
JACK, VERT,PCB,75 OHM,BNC



TE Part #746785-1
50 POS STR RLF,LOW PROFILE



TE Part #9-6474612-5
FSN-21A-14

Documents

Product Drawings
ICCON,SKT,ASSY

English

CAD Files
Customer View Model
ENG_CVM_CVM_6643264-1_A.2d_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_6643264-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6643264-1_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

[2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English