6643274-1 ✔ ACTIVE

ICCON

TE Internal #: 6643274-1

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

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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	Vertical
Number of Power Positions	0
Number of Signal Positions	0
Number of Rows	1
Board-to-Board Configuration	Parallel

Electrical Characteristics

Operating Voltage	0 VDC

Contact Features

Contact Fabrication	Stamped & Formed
Contact Base Material	Brass Alloy
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	Silver
Contact Mating Area Plating Material Thickness	5.08 µm[200 µin]
Contact Termination Area Plating 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 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	10.16 mm[.4 in]
Height	25.15 mm[.99 in]
Length	12.7 mm[.5 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

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	Box
Packaging Quantity	208

Other

For Use With	Receptacle Connector

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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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	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 # 6643269-1
ICCON,SKT,ASSY

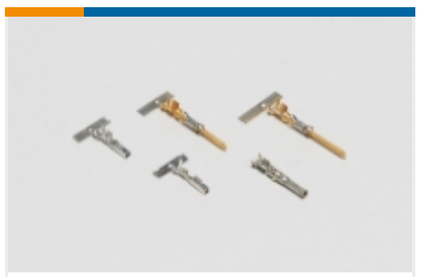


TE Part # 6643272-1
ICCON,SKT,ASSY



TE Part # 6643264-1
ICCON,SKT,ASSY

Also in the Series | ICCON

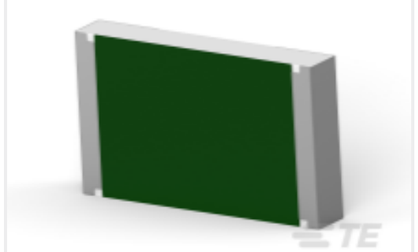


Power Contacts(8)

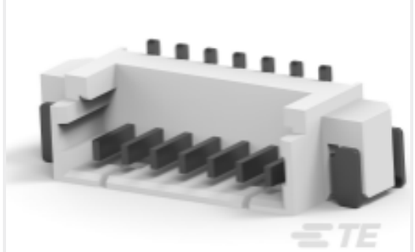


Rectangular Power Connectors(24)

Customers Also Bought



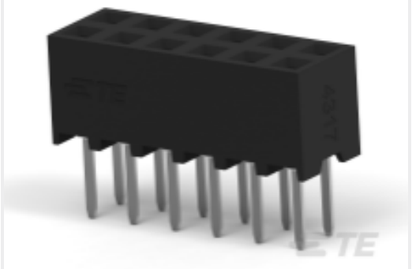
TE Part #3-2176401-4
3540 330K 1%



TE Part #2-1734598-4
AMP HPI 1.25MM HEADERS



TE Part #2-2303813-1
DEUTSCH DT Series Housings & Connectors



TE Part #1-2314812-2
12P,2MM,B-B,REC,DRVT,2.0,0.1AU,TB, W/CAP



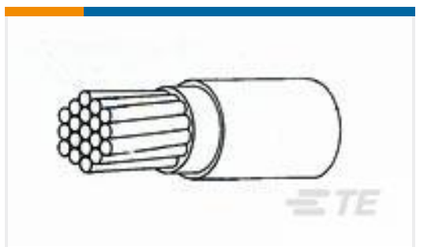
TE Part #2-1649328-8
RT334005



TE Part #2-2170785-2
CAGE ASSY, 1X4, QSFP28, GASKET, HS, LP



TE Part #2-2170808-5
QSFP28, 1X2, CAGE ASSY, SPRING, HS, LP



TE Part #285758-010
44A0111-26-8-US



TE Part #YDIV44E15-35SNC001
RECP ASSY



TE Part #208247-000
S02-18-R-93

Documents

Product Drawings

ICCON,PIN,ASSY

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6643274-1_A_c-6643274-1-a.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6643274-1_A_c-6643274-1-a.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6643274-1_A_c-6643274-1-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

1-1773718-6_POWER_CONNECTORS_QRG_JA

Japanese

1-1773718-4_POWER_CONNECTORS_QRG_CN

1-1773718-5_POWER_CONNECTORS_QRG_TCN

Product Specifications

Application Specification

English