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Rectangular Power Connector Type: **Connector Assembly**

Connector & Housing Type: **Plug**

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	Plug
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
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Contact Features

Contact Fabrication	Screw Machine
Contact Base Material	Brass Alloy
Contact Current Rating (Max)	35 A

Contact Retention Within Housing	Without
Contact Type	Pin
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	12.45 mm[.49 in]
Mating Post Length	19.05 mm[.75 in]
Height	32.26 mm[1.27 in]
Length	12.7 mm[.5 in]

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



Agency/Standard Number	UL 1977
Agency/Standard	UL
UL Rating	Recognized

Packaging Features

Packaging Method	Box
Packaging Quantity	28

Other

For Use With	Receptacle Connector
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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 2020 (205) 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

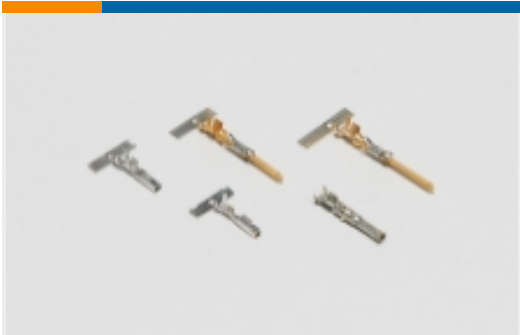


TE Part # 6643272-1
ICCON,SKT,ASSY



TE Part # 6643264-1
ICCON,SKT,ASSY

Also in the Series | **ICCON**



Power Contacts(8)

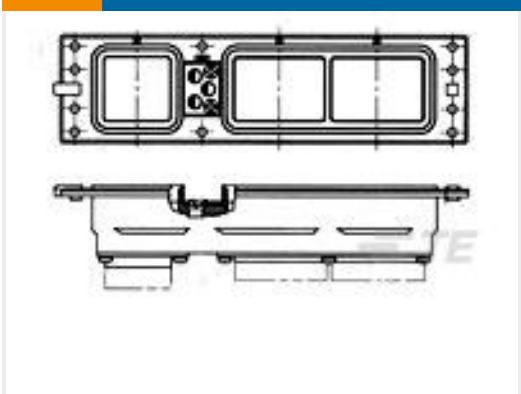


Rectangular Power Connectors(24)

Customers Also Bought



TE Part #1-2300832-7
QSFP Heat Sink Clips



TE Part #208970-6
CONNECTOR, SIZE 2 RECEPT-NIC60



TE Part #1542004-3
HTS703-U=25MM HS ASSY ULTEM CL



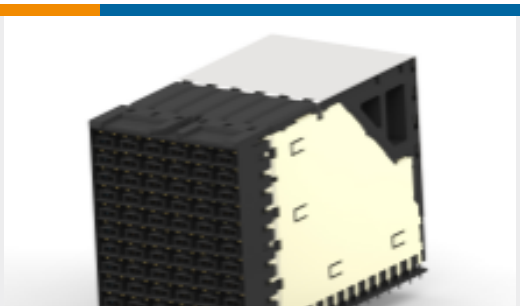
TE Part #2057042-9
1x3 QSFP Kit Assy LP&HS, Customized HS



TE Part #2057760-1
IMP100S,H,V3P8C,UG,OEW46,4.5



TE Part #2170509-1
SFP+ 1x6 Cage Assembly with Light Pipes



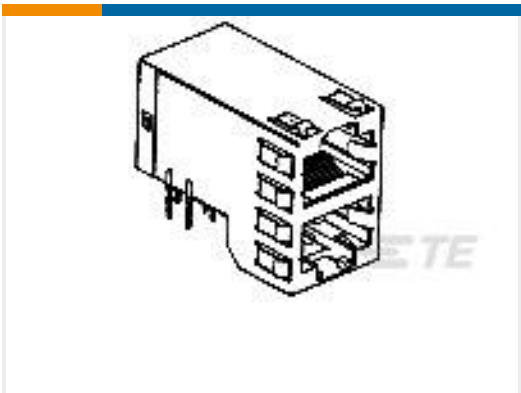
TE Part #2187644-1
SW PIR RECT, 100OHM, 12X6



TE Part #2299870-4
THERMAL QSFP+ STACKED REC ASSEMBLY 2X2



TE Part #2343986-2
RECEPT CAGE ASSY 1X5 QSFP-DD W HS



TE Part #6368168-5
2X1 OFFSET ST/JK,LED(G&Y)12PNL



Documents

Product Drawings

ICCON,PIN,ASSY

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6643450-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6643450-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6643450-1_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 Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English