6643220-1 ✔ ACTIVE

TE Internal #: 6643220-1

Rectangular Power Connectors, Connector Assembly, Receptacle, Board-to-Board / Wire-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	Right Angle
Number of Power Positions	0
Number of Signal Positions	0
Number of Rows	1
Board-to-Board Configuration	Co-Planar

Electrical Characteristics

Operating Voltage	250 VAC

Contact Features

Contact Fabrication	Stamped & Formed
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	25 A, 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]
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	Polyester

Dimensions

PCB Thickness (Recommended)	2.38 mm[.094 in]
Width	7.37 mm[.29 in]
Height	9.02 mm[.355 in]
Length	13.34 mm[.525 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	Carton
Packaging Quantity	96

Other

For Use With	Plug

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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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 # 6643222-1
SLIMLINE,ICCON,PIN,ASSY



TE Part # 6643227-1
SLIMLINE,ICCON,PIN,ASSY



TE Part # 6643228-1
SLIMLINE,ICCON,PIN,ASSY

Customers Also Bought



TE Part #1888247-1
SFP Connectors



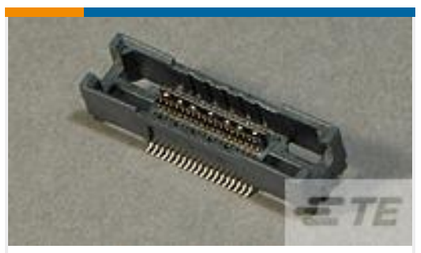
TE Part #1735104-4
PT30 XFP Connectors



TE Part #6645141-1
Hard Metric Male Connector: Traditional Backplane, Mezzanine, 2mm



TE Part #1934347-1
TinMan R/A Header Assy 5x16 Open



TE Part #2-5767004-2
MICTOR RECEPT ASSY, 38 POS.



TE Part #2057630-1
CFP Receptacle Conn Assy



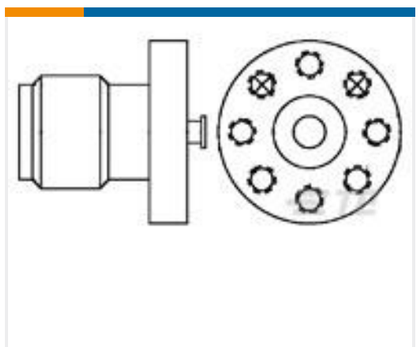
TE Part #1761394-1
DUST COVER, SFP, GANGED & STACKED



TE Part #1-2110122-1
IMP100S,R,RA5P16C,LG,39



TE Part #1934349-1
TinMan R/A Header Assy 5x8 Open



TE Part #1053403-1
2066 1321 02

Documents

Product Drawings

SLIMLINE,ICCON,SKT,ASSY

English

CAD Files

Customer View Model

ENG_CVM_6643220-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_6643220-1_C.3d_stp.zip

English

Customer View Model

ENG_CVM_6643220-1_C.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

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

Product Environmental Compliance

TE Material Declaration

English