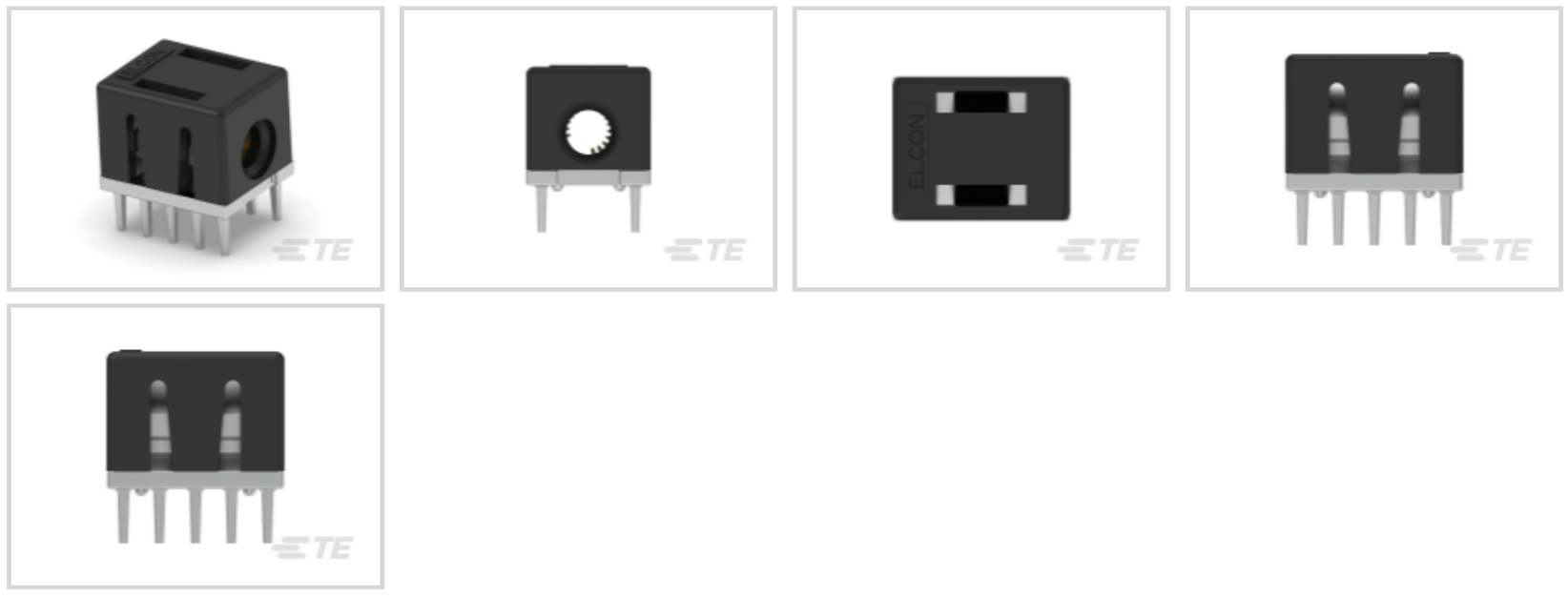
6643232-1 ✔ ACTIVE

TE Internal #: 6643232-1

Rectangular Power Connectors, Connector Assembly, Receptacle, Board-to-Board, 1 Position, 2.54mm [.1in] Centerline, Printed Circuit Board, UL 94V-0

View on TE.com >

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

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 – 76 µm[29.92 µin]

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Press-Fit

Mechanical Attachment

Connector Mounting Type	Board Mount

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]

Operation/Application

Circuit Application	Power

Industry Standards

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

Packaging Features

Packaging Method	Bag

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: JUN 2020 (209) 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 # 2085958-1
ICCON,SIZE 4,LOCKING PIN ASSEMBLY



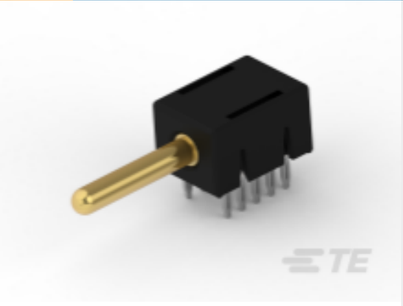
TE Part # 1-1766663-0
ICCON PIN, 23MM, M3.5 EXT THREAD



TE Part # 1766163-1
CONTACT,PIN,#8



TE Part # 1766663-8
ICCON PIN, 21MM, M3.5 EXT THREAD



TE Part # 1926251-1
ICCON PARALLEL PIN,COMPLIANT, GOLD CNTCTS



TE Part # 2204913-2
KIT, POWER PIN, 150A

TE Part # 1766150-1
CONTACT,PIN,SIZE #8



TE Part # 2204913-1
Mezzanine Power Pin 200A Connector

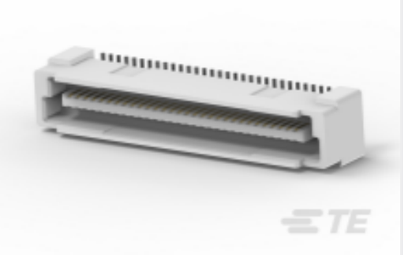
TE Part # 6643282-1
ICCON,PIN,ASSY

TE Part # 6643429-1
ICCON,PIN,ASSY

Customers Also Bought



TE Part #1761327-2
SFP+ Stacked Cage Assemblies



TE Part #7-5177986-2
Free Height Plug Connector: Board-Board, Vertical, 60, 0.8mm



TE Part #1-640389-2
12P MTA156 HDR ASSY SQ R/A F/L



TE Part #1-794108-0
24P MINI UMNL R/A HDR ASSY SN



TE Part #1546931-2
2P UNSHROUD 5.0 HDR,HIGH TEMP



TE Part #1888542-2
MJ,10MM,8P,WAVE PANEL TABS,SN



TE Part #146851-1
B/A REELED DRST HDR ASSY, SN



TE Part #1-5353999-0
Free Height Receptacle Conn: Board-Board, Vertical, 200, 0.8mm



TE Part #1-770971-0
10P MINI UMNL R/A HDR ASSY SN

TE Part #1520230-2
7402K4=20 AMP TOGGLE

Documents

CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_6643232-1_A.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_6643232-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6643232-1_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