



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

Connector System: **Wire-to-Board**

Number of Positions: **68**

Centerline (Pitch): **2.5 mm, 3 mm, 7.5 mm [.098 in, .11 in, .295 in]**

Features

Product Type Features

Rectangular Power Connector Type	Header
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	68
PCB Mount Orientation	Vertical
Number of Power Positions	20
Number of Signal Positions	48
Number of Rows	3

Electrical Characteristics

Operating Voltage	250 VDC
-------------------	---------

Contact Features

Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	1 A



Contact Retention Within Housing	With
Contact Type	Blade, Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]

Termination Features

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

Mechanical Attachment

Connector Mounting Type	Board Mount
-------------------------	-------------

Housing Features

Centerline (Pitch)	2.5 mm, 3 mm, 7.5 mm[.098 in][.11 in][.295 in]
Housing Color	Black
Housing Material	Thermoplastic

Dimensions

Panel Thickness (Recommended)	30 mm
PCB Thickness (Recommended)	30 mm[30 in]
Compatible Insulation Diameter Range	30 mm[30 in]
Row-to-Row Spacing	2.5 mm[.098 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
---------------------	----------------

Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

Packaging Features

Packaging Method	Package
------------------	---------

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 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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 # 6646681-1
CONN,PIN,RT<,SLDR,FLATPAQ

Customers Also Bought

TE Part # 1-480284-0
08P CMNL CAP HSG M/M NATL

TE Part # 1586315-1
VAL-U-LOK SKT BR SN 24-18 LP

TE Part # 9-1437651-9
6PCR-08-006=6PCR ASSEMBLY

TE Part # 3-1625886-1
1W SM M/OX 5% 680K

Documents

Product Drawings
CONN,SKT,STR,COMPL,FLATPAQ
English



CAD Files

Customer View Model

[ENG_CVM_CVM_6646272-1_B.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_6646272-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6646272-1_B.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

[Application Specification](#)

English