TE Internal #: 6646272-1

TE Internal Description: CONN,SKT,STR,COMPL,FLATPAQ

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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
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#### **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	

### **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

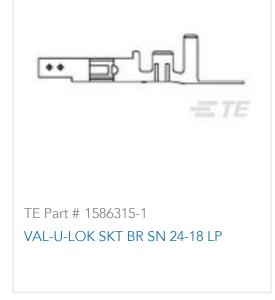
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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**



# Customers Also Bought









### **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