



TE Internal #: 6766414-1

Rectangular Power Connectors, Header, Receptacle, Board-to-Board, 29 Position, 7.62 mm / 3.18 mm [.3 in / .15 in] Centerline, Printed Circuit Board

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **29**

Centerline (Pitch): **3.18 mm, 7.62 mm [ .15 in, .3 in ]**

Features

Product Type Features

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

Configuration Features

|                       |          |
|-----------------------|----------|
| Number of Positions   | 29       |
| PCB Mount Orientation | Vertical |
| Number of Rows        | 2, 3     |

Electrical Characteristics

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

Contact Features

|                                      |           |
|--------------------------------------|-----------|
| Contact Mating Area Plating Material | Gold      |
| Contact Current Rating (Max)         | 5 A, 35 A |



|   |         |
|---|---------|
| Contact Retention Within Housing              | Without |
| Contact Type                                  | Socket  |
| PCB Contact Termination Area Plating Material | Nickel  |

Termination Features

|   |                          |
|---|--------------------------|
| Termination Method to Wire & Cable          | Crimp                    |
| Termination Method to Printed Circuit Board | Through Hole - Press-Fit |

Mechanical Attachment

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

Housing Features

|                    |                                   |
|--------------------|-----------------------------------|
| Centerline (Pitch) | 3.18 mm, 7.62 mm [.15 in] [.3 in] |
| Housing Color      | Black                             |
| Housing Material   | Valox 420 SEO                     |

Dimensions

|                    |                  |
|--------------------|------------------|
| Row-to-Row Spacing | 3.81 mm [.15 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                      |
| Glow Wire Rating       | Standard Part - Not Glow Wire |

Packaging Features

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

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: JUNE 2023 (235)<br>Candidate List Declared Against: JUL 2021 (219) |



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

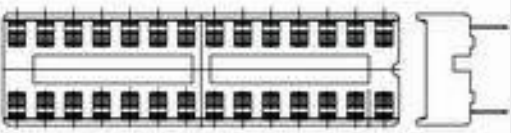


TE Part # 1648203-1  
297-08-01100=SA CONN,PIN


Customers Also Bought




TE Part #5499913-2  
A/L UNIV HDR 14P RA SHT LAT



TE Part #1-2199298-2  
8P,DIP SKT,300 CL,LDR,PB FREE



TE Part #292161-8  
CT 2mm Post Header Asmbly: Box V DIP



TE Part #640389-4  
04P MTA156 HDR ASSY SQ R/A F/L



TE Part #5-104071-1  
[10 SYSTEM 50 HDR SRST SHRD SN](#)

TE Part #292304-1  
[STD USB TYPE B, R/A, T/H](#)

TE Part #1-292207-0  
[MINI CT SGL DIP V 10P NAT](#)

TE Part #6646900-1  
[CONN,PIN,RT<,SLDR,FLATPAQ](#)

Documents

Product Drawings

[CONN,SKT,LOWER DRAWER](#)

English

CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_6766414-1\\_B.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_6766414-1\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_6766414-1\\_B.3d\\_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English