



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **2**

Centerline (Pitch): **6.3 mm [.248 in]**

Features

Product Type Features

|                                   |              |
|-----------------------------------|--------------|
| Rectangular Power Connector Type  | Housing      |
| Connector & Housing Type          | Receptacle   |
| Connector System                  | Wire-to-Wire |
| Sealable                          | No           |
| Connector & Contact Terminates To | Wire & Cable |

Configuration Features

|                            |   |
|----------------------------|---|
| Number of Positions        | 2 |
| Number of Signal Positions | 2 |
| Number of Rows             | 1 |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 600 VAC |
|-------------------|---------|

Contact Features

|                                  |         |
|----------------------------------|---------|
| Contact Layout                   | Inline  |
| Contact Retention Within Housing | Without |



|              |        |
|--------------|--------|
| Contact Type | Socket |
|--------------|--------|

Termination Features

|                                    |       |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Panel Mount Feature     | Without                    |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

Housing Features

|                    |                 |
|--------------------|-----------------|
| Centerline (Pitch) | 6.3 mm[.248 in] |
| Housing Color      | Natural         |
| Housing Material   | Nylon 6/6       |

Dimensions

|                  |          |
|------------------|----------|
| Connector Height | 13.72 mm |
| Product Width    | 6.48 mm  |
| Product Length   | 28.58 mm |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

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

Industry Standards

|                        |                               |
|------------------------|-------------------------------|
| CSA Rating             | Certified, LR 7189            |
| UL Rating              | Recognized                    |
| Agency/Standard        | CSA, UL                       |
| Approved Standards     | UL E28476                     |
| UL Flammability Rating | UL 94V-2                      |
| Glow Wire Rating       | Standard Part - Not Glow Wire |

Packaging Features

|                    |         |
|--------------------|---------|
| Packaging Quantity | 1       |
| 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: JUNE 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free                                             |
| 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 # 770144-1  
.093 CP&S SOK PTPBR L/P 20-14

TE Part # 770147-1  
.093 CP&S PIN PTPBR LP 24-18

TE Part # 770068-1  
02P .093 COMM P&S PLUG .248CL

TE Part # 770424-1  
02P.093 COMM P&S RCPT .248CL

TE Part # 770425-1  
02P .093 COMM P&S PLUG .248CL

TE Part # 770069-1  
02P .093 COMM P&S PLUG .248CL

TE Part # 350416-1  
.093 COMM P&S PIN 14-20 PTPBR

TE Part # 770066-1  
02P .093 COMM P&S RECPT .248CL



|                                                         |                                                         |                                                          |                                                         |
|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|
| <br>TE Part # 770529-1<br>.093 COMM P&S SOK 14-20 PTPBR | <br>TE Part # 770530-1<br>.093 COMM P&S PIN 14-20 PTPBR | <br>TE Part # 350415-1<br>.093 COMM P&S SOK 14-20 PTPBR  | <br>TE Part # 350418-1<br>.093 COMM P&S PIN 18-24 PTPBR |
| <br>TE Part # 350417-1<br>.093 COMM P&S SOK 18-24 PTPBR | <br>TE Part # 350415-5<br>.093 COMM P&S SOK 20-14 AUBR  | <br>TE Part # 770145-1<br>.093 COMM P&S PIN PTPBR LP     | <br>TE Part # 770146-1<br>.093 CP&S SOK PTPBR LP 24-18  |
| <br>TE Part # 350416-5<br>.093 COMM P&S PIN AU/NI/BR    | <br>TE Part # 770144-5<br>.093 CP&S SOC AUBR L/P 20-14  | <br>TE Part # 350415-6<br>.093 COMM P&S SOK 14-20 PTPHBZ | <br>TE Part # 350417-5<br>.093 COMM P&S SOK AU/NI/BR    |

Also in the Series | Commercial Pin and Socket Connectors

|                                        |                                         |                                        |                        |
|----------------------------------------|-----------------------------------------|----------------------------------------|------------------------|
| <br>Connector Contacts(2)              | <br>Crimp Wire Pins, Tabs & Ferrules(1) | <br>Insertion & Extraction Tools(2)    | <br>Power Contacts(39) |
| <br>Rectangular Connector Housings(10) | <br>Rectangular Power Connectors(84)    | <br>Standard Rectangular Connectors(1) |                        |

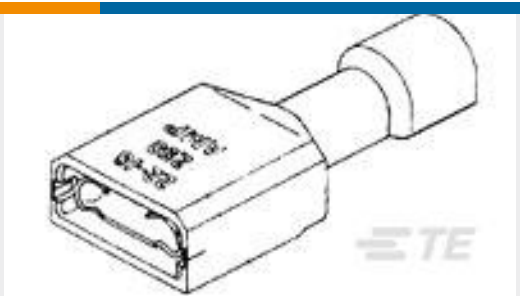
Customers Also Bought



TE Part #321233  
TERMINAL,PIDG SPD 16-14 8



TE Part #5745854-3  
CABLE CLAMP KIT,SZ 1



TE Part #4-520448-2  
ULTRAFAST 250 ASSY REC 12-10  
TPBR LP



TE Part #770069-1  
02P .093 COMM P&S PLUG .248CL  
TPBR LP



TE Part #1377173-4  
SMP 0-0034160-0



TE Part #40725  
RING 190(4.82MM)TERMINAL 18-14  
AWG TPBR



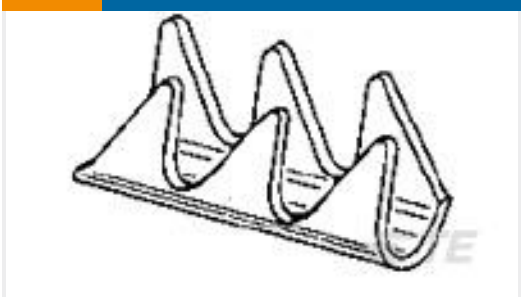
TE Part #61794-4  
RING 18-14 AWG BR



TE Part #770146-1  
.093 CP&S SOK PTPBR LP 24-18



TE Part #770842-1  
04P .093 COMM P&S PLUG



TE Part #925856-1  
WIRE PIN 15.5-13.5 AWG .01 PTPB

Documents

Product Drawings

02P .093 COMM P&S RECPT .248CL

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_770266-1\_M.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_770266-1\_M.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_770266-1\_M.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_770266-1\_H.3d\_igs.zip

English



Customer View Model

ENG\_CVM\_770266-1\_H.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_770266-1\_H.2d\_dxf.zip

English

3D PDF

English

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Datasheets & Catalog Pages

SOFT\_SHELL\_PIN\_SOCKET\_CONNECTORS\_STANDARD\_DENSITY

English

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

CSA Certificate

English