



Commercial Pin and Socket Connectors

TE Internal #: 770429-1

Rectangular Power Connectors, Housing, Receptacle, Wire-to-Wire, 9 Position, 3.68 mm [.145 in] Centerline, Commercial Pin and Socket Connectors

[View on TE.com >](#)

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: **9**

Centerline (Pitch): **3.68 mm [.145 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	9
Number of Signal Positions	9
Number of Rows	3

**Electrical Characteristics**

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

**Contact Features**

Contact Layout	Matrix, Square Grid
Multiple Contact Types	Without



Contact Retention Within Housing	Without
----------------------------------	---------

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

### Termination Features

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

Wire/Cable Type	Discrete Wire
-----------------	---------------

### Mechanical Attachment

Panel Mount Feature	Without
---------------------	---------

Connector Mounting Type	Cable Mount (Free-Hanging)
-------------------------	----------------------------

### Housing Features

Centerline (Pitch)	3.68 mm [.145 in]
--------------------	-------------------

Housing Color	Natural
---------------	---------

Housing Material	Nylon
------------------	-------

### Dimensions

Wire Size	394.71 – 1776.17 CMA
-----------	----------------------

Row-to-Row Spacing	3.68 mm [.145 in]
--------------------	-------------------

Width	12.45 mm [.49 in]
-------	-------------------

Accepts Wire Insulation Diameter Range	1.27 – 2.79 mm [.05 – .11 in]
--	-------------------------------

Height	12.57 mm [.495 in]
--------	--------------------

Length	20.06 mm [.79 in]
--------	-------------------

### Usage Conditions

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

Insertion Force	17.8 Newton
-----------------	-------------

### Operation/Application

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

### Industry Standards

UL Flammability Rating	UL 94V-2
------------------------	----------

Glow Wire Rating	Standard Part - Not Glow Wire
------------------	-------------------------------

Agency/Standard Number	E28476
------------------------	--------

Agency/Standard	CSA, UL
-----------------	---------

UL Rating	Recognized
-----------	------------

CSA File Number	LR7189
-----------------	--------

VDE Tested	No
------------	----

## Packaging Features

Packaging Method	Package
Packaging Quantity	1

## Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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

 <p>TE Part # 794017-1 .062 CP&amp;S PIN PTPBR L/P 24-18</p>	 <p>TE Part # 350629-5 .062 COMM P&amp;S PIN AUNI/BR</p>	 <p>TE Part # 350628-5 .062 COMM P&amp;S SOK AUNI/BR</p>	 <p>TE Part # 640391-1 .062 COMM P&amp;S PIN 24-30 PTPBR</p>
---	--	---	---




TE Part # 350629-1  
.062 COMM P&S PIN 18-24 PTPBR



TE Part # 350628-2  
.062 COMM P&S SOK PTPPHBZ



TE Part # 640392-1  
.062 COMM P&S SOK 24-30 PTPBR



TE Part # 350629-8  
.062 COMM P&S PIN PRE TIN/PHBZ



TE Part # 770428-1  
09P .062 COMM P&S PLUG



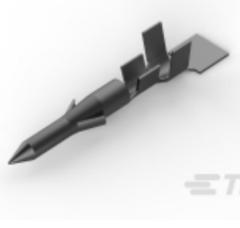
TE Part # 794019-1  
.062 CP&S SOK PTPBR L/P 30-24



TE Part # 770426-1  
09P .062 COMM P&S PLUG



TE Part # 350628-1  
.062 COMM P&S SOK 18-24 PTPBR



TE Part # 770983-1  
.062 COMM P&S PIN 18-24 PTPBR



TE Part # 350628-6  
.062 COMM P&S SOK AUNI/PHBZ



TE Part # 794046-1  
.062 COMM P&S SOK 24-30 PTPBR



TE Part # 640392-2  
.062 COMM P&S SOK 24-30PTPHBZ



TE Part # 794016-1  
.062 CP&S SOK PTPBR L/P 24-18



TE Part # 794018-1  
.062 CP&S PIN PTPBR L/P 30-24



TE Part # 794103-1  
.062 COMM P&S LANCELESS SCKT



TE Part # 350628-8  
.062 CP&S SOK 18-24 PTPBR PLST

Also in the Series | Commercial Pin and Socket Connectors



Connector Contacts(3)



Crimp Wire Pins, Tabs & Ferrules(1)



Insertion & Extraction Tools(3)



Power Contacts(40)



Rectangular Connector Housings(11)



Rectangular Power Connectors(88)



Standard Rectangular Connectors(4)

## Documents

### Product Drawings

[09P .062 COMM P&S RECEPT](#)

English

### CAD Files

[3D PDF](#)

English

Customer View Model

[ENG\\_CVM\\_770429-1\\_C.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_770429-1\\_C.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_770429-1\\_C.3d\\_stp.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_770429-1\\_D.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_770429-1\\_D.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_770429-1\\_D.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[SOFT\\_SHELL\\_PIN\\_AND\\_SOCKET\\_CONNECTORS\\_CATALOG](#)

English

### Product Specifications

[Application Specification](#)



English

---

**Product Environmental Compliance**

**TE Material Declaration**

English

---

**Agency Approvals**

**Agency Approval Document**

English