



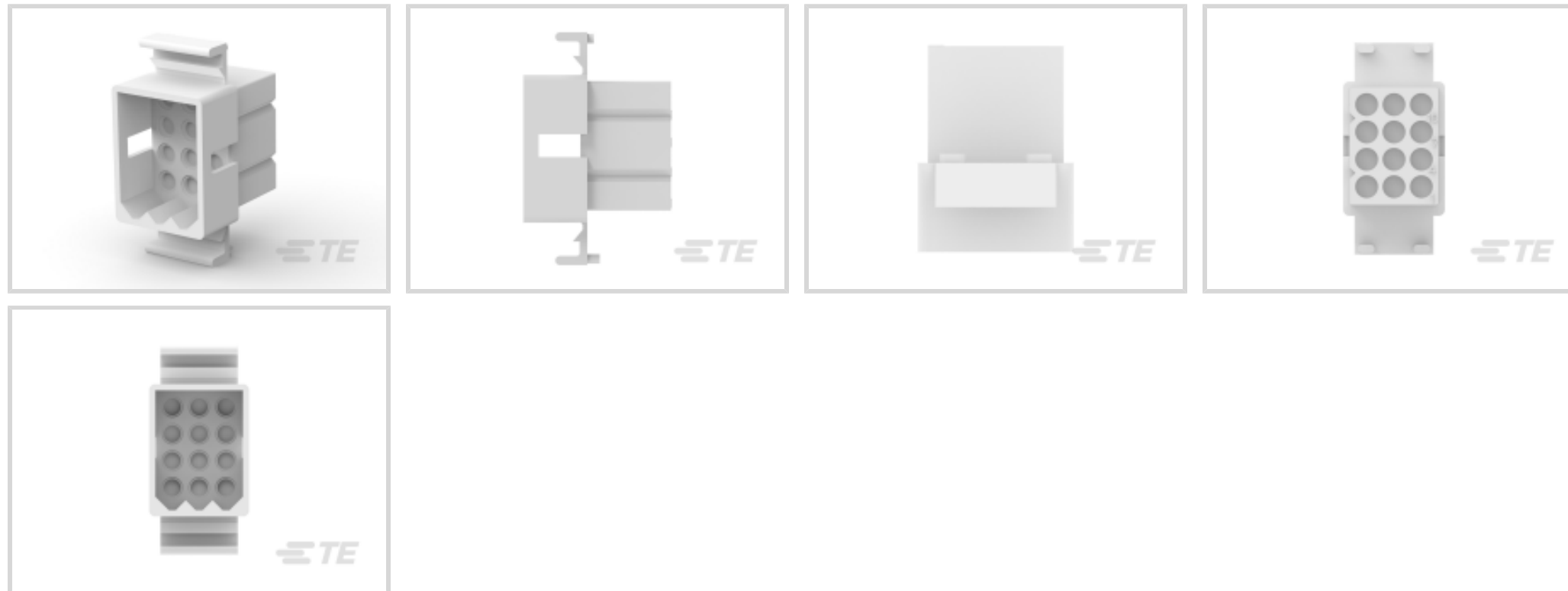
Commercial Pin and Socket Connectors

TE Internal #: 770101-1

Rectangular Power Connectors, Housing, Plug, Wire-to-Panel / Wire-to-Wire, 12 Position, 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: **Plug**

Connector System: **Wire-to-Panel, Wire-to-Wire**

Number of Positions: **12**

Centerline (Pitch): **5.03 mm [.198 in]**

Features

Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Panel, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	12
Number of Signal Positions	12
Number of Rows	4

Electrical Characteristics

Operating Voltage	250 VAC
-------------------	---------

Contact Features

Contact Layout	Matrix
Contact Retention Within Housing	Without



Contact Type	Pin
--------------	-----

Termination Features

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

Mechanical Attachment

Panel Mount Feature	With
Panel Mount Feature Type	Mounting Ears
Connector Mounting Type	Panel Mount

Housing Features

Centerline (Pitch)	5.03 mm[.198 in]
Housing Color	Natural
Housing Material	Nylon 6/6

Dimensions

Row-to-Row Spacing	5.03 mm[.198 in]
Width	18.67 mm
Panel Thickness	2.29 mm[.09 in]
Height	38.86 mm
Length	24.64 mm

Usage Conditions

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

Operation/Application

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

Industry Standards

CSA Rating	Certified
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

Packaging Features

Packaging Method	Package
Packaging Quantity	1

Other

For Use With

Receptacle Housing

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 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






TE Part # 770530-1
.093 COMM P&S PIN 14-20 PTPBR



TE Part # 350415-1
.093 COMM P&S SOK 14-20 PTPBR



TE Part # 350418-1
.093 COMM P&S PIN 18-24 PTPBR



TE Part # 350417-1
.093 COMM P&S SOK 18-24 PTPBR



TE Part # 350415-5
.093 COMM P&S SOK 20-14 AUBR



TE Part # 770098-1
12P .093 COMM P&S RECPT



TE Part # 770145-1
.093 COMM P&S PIN PTPBR LP



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



TE Part # 350416-5
.093 COMM P&S PIN AU/NI/BR



TE Part # 770144-1
.093 CP&S SOK PTPBR L/P 20-14



TE Part # 770144-5
.093 CP&S SOC AUBR L/P 20-14



TE Part # 350415-6
.093 COMM P&S SOK 14-20 PTPHBZ



TE Part # 350417-5
.093 COMM P&S SOK AU/NI/BR



TE Part # 770099-1
12P .093 COMM P&S RECPT

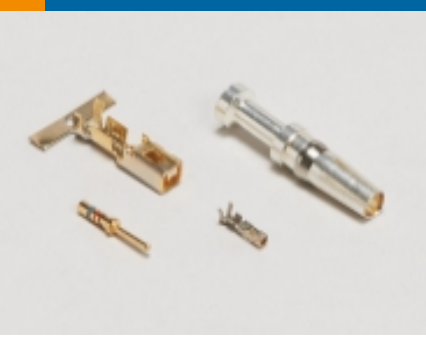


TE Part # 770145-5
.093 CP&S PIN AUBR LP 20-14



TE Part # 770146-5
.093 CP&S SOK AUBR LP 24-18

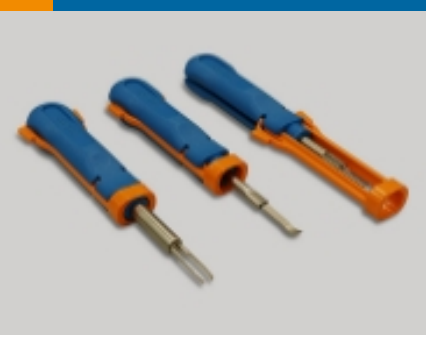
Also in the Series | Commercial Pin and Socket Connectors



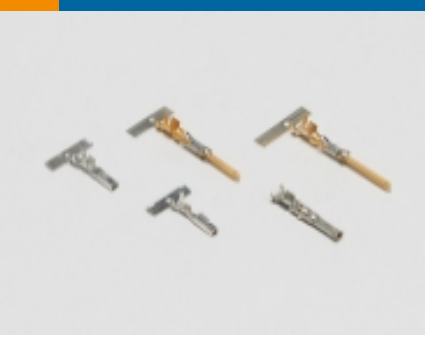
Connector Contacts(3)



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

[12P .093 COMM P&S PLUG](#)

English

CAD Files

Customer View Model

[ENG_CVM_770101-1_G.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_770101-1_G.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_770101-1_G.2d_dxf.zip](#)

English

[3D PDF](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_770101-1_S.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_770101-1_S.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_770101-1_S.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_SOCKET_CONNECTORS_STANDARD_DENSITY](#)

English

Product Specifications

[Application Specification](#)



English

[Agency Approvals](#)

[UL Report](#)

English