770812-1 ✔ ACTIVE

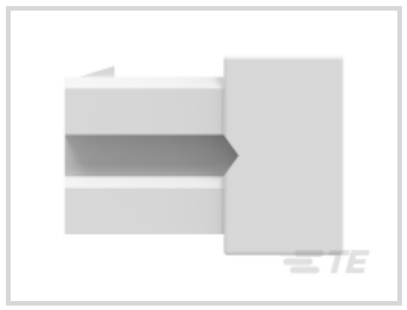
Commercial Pin and Socket Connectors

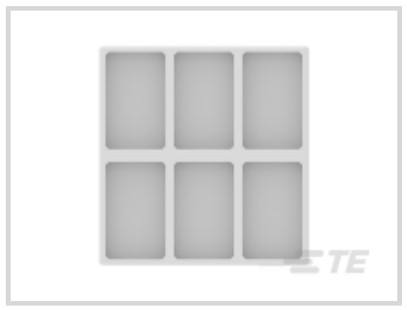
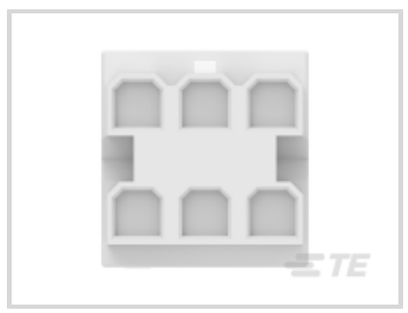
TE Internal #: 770812-1

Commercial Pin and Socket Connectors, Rectangular Power Connectors, Housing, Receptacle, Wire-to-Wire, 6 Position, 7.92mm [.312in] Centerline

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: **6**

Centerline (Pitch): **7.92 mm [.312 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	6
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC

Contact Features

Contact Layout	Matrix
Contact Retention Within Housing	Without
Contact Type	Receptacle

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)	7.92 mm[.312 in]
Housing Color	Natural
Housing Material	Nylon GF

Dimensions

Row-to-Row Spacing	12.7 mm[.5 in]

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
UL Rating	Recognized
Agency/Standard Number	E28476
CSA File Number	LR7189
Agency/Standard	CSA, UL

Packaging Features

Packaging Method	Package

Other

For Use With	Plug 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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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 # 770087-1
06P .093 COMM P&S RECPT HSG



TE Part # 770086-1
06P .093 COMM P&S RECPT HSG



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



TE Part # 770529-1
.093 COMM P&S SOK 14-20 PTPBR



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



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



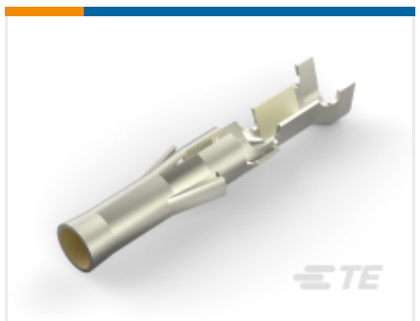
TE Part # 770361-1
06P .093 COMM P&S PLUG .250CL



TE Part # 770090-1
06P .093 COMM P&S PLUG HSG



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



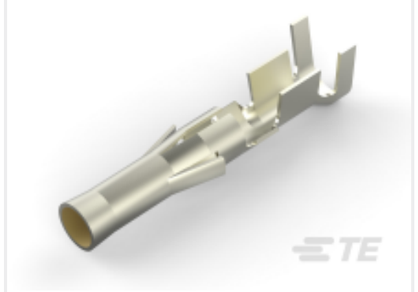
TE Part # 350417-5
.093 COMM P&S SOK AU/NI/BR



TE Part # 350415-1
.093 COMM P&S SOK 14-20 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 # 770088-1
06P .093 COMM P&S RECPT HSG



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



TE Part # 350418-5
.093 COMM P&S PIN AU/NI/BR

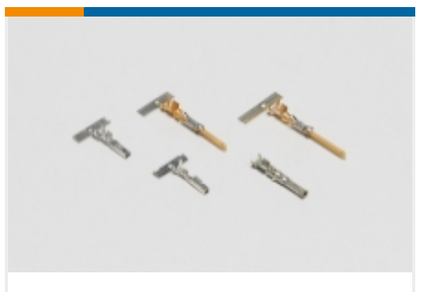
Also in the Series | Commercial Pin and Socket Connectors



Connector Contacts(3)



Insertion & Extraction Tools(3)



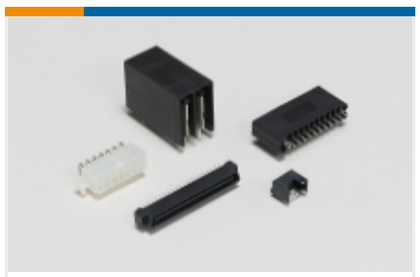
Power Contacts(39)



Rectangular Connector Housings(11)



Rectangular Power Connectors(88)



Standard Rectangular Connectors(4)

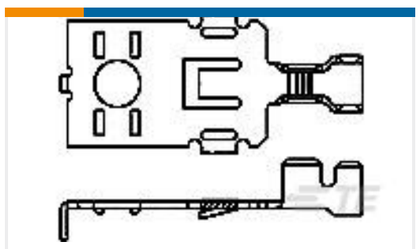
Customers Also Bought



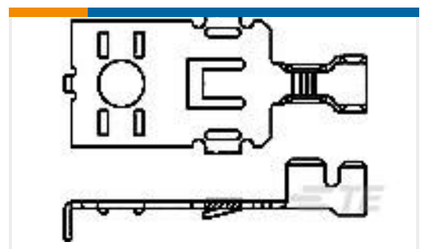
TE Part #60546-1
EXTRUDED RING CRIMP 18-14 AWG BR



TE Part #63617-1
FASTON 250 RECEPTACLE 12-10 AWG BR



TE Part #63166-5
POWER RING,TERMINAL 16-12 AWG PTPBR



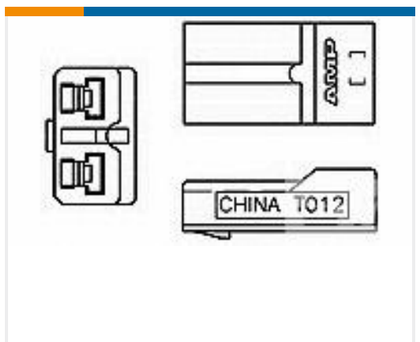
TE Part #63166-4
POWER RING,TERMINAL 16-12 AWG BR



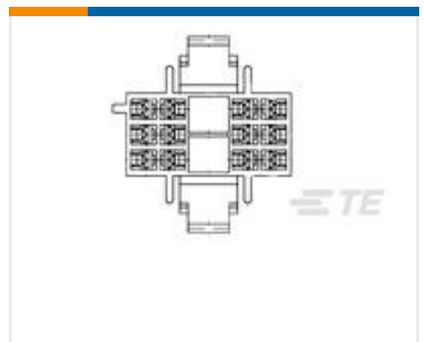
TE Part #521229-2
PL 250 HOUSING RECEPTACLE RED NYLON 6/6



TE Part #5-1241961-8
3POS STD-TIMER HOUSING PITCH5 MK II



TE Part #521073-2
PLUG .125 HOUSING NYLON 66/6



TE Part #521163-2
POWER BLADE HSG 12P NYLON BLACK



TE Part #63498-2
PL MKII 187 REC 20-16AWG BR



TE Part #794816-1
06P UMNL PLUG,VO

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_770812-1_P_c-770812-1-p.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_770812-1_P_c-770812-1-p.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_770812-1_P_c-770812-1-p.3d_stp.zip

English

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Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

UL Report

English