# 770144-1 ✔ ACTIVE

Commercial Pin and Socket Connectors

TE Internal #: 770144-1

Socket Contact, Tin, 250 VAC / 600 VAC, Locking Lance Contact Retention, 20 – 14 AWG Wire Size, Commercial Pin and Socket Connectors

View on TE.com >

Connectors > Contacts > Connector Contacts







Contact Type: **Socket**

Contact Mating Area Plating Material: **Tin**

Wire Contact Termination Area Plating Material: **Pre-Tin**

Operating Voltage: **600 VAC, 250 VAC**

Contact Retention Within Housing: **With**

## Features

### Industry Standards

| | |
|---|---|
| Compatible With Agency/Standards Products | UL, CSA |

### Product Type Features

| | |
|---|---|
| Discrete Wire Type | Stranded |

### Packaging Features

| | |
|---|---|
| Packaging Quantity | 1000 |
| Packaging Method | Bag |

### Dimensions

| | |
|---|---|
| Compatible Insulation Diameter Range | 3.56 mm[.14 in] |
| Wire Size | .5 – 2 mm² |

### Mechanical Attachment

| | |
|---|---|
| Wire Insulation Support | Without |
| Contact Retention Type Within Housing | Locking Lance |

### Contact Features

| | |
|---|---|
| Contact Orientation | Straight |
| Mating Pin Diameter | 2.36 mm[.093 in] |
| Wire Contact Termination Area Plating Material Finish | Matte |
| Wire Contact Termination Area Plating Thickness | .4 µm[15.74 µin] |
| Contact Type | Socket |
| Contact Mating Area Plating Material | Tin |
| Wire Contact Termination Area Plating Material | Pre-Tin |
| Contact Retention Within Housing | With |
| Contact Base Material | Brass |
| Contact Current Rating (Max) | 13 A |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 600 VAC, 250 VAC |

### Termination Features

| | |
|---|---|
| Termination Method to Wire & Cable | Crimp |
| Product Terminates To | Wire & Cable |

### Usage Conditions

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

### Operation/Application

| | |
|---|---|
| Circuit Application | Power |

## 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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<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

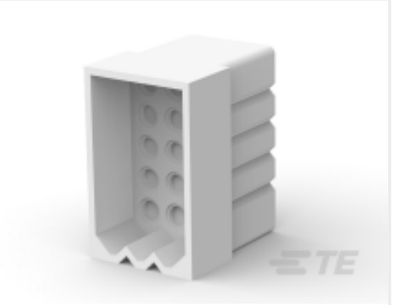
# Compatible Parts



TE Part # 770096-1
09P .093 COMM P&S PLUG



TE Part # 770373-1
06P .093 COMM P&S PLUG .250CL



TE Part # 770107-1
15P .093 COMM P&S PLUG



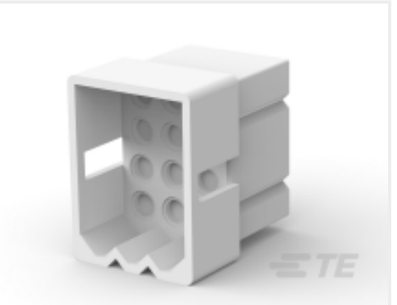
TE Part # 770361-1
06P .093 COMM P&S PLUG .250CL



TE Part # 770075-1
04P .093 COMM P&S RECPT HSG



TE Part # 770276-1
03P .093 COMM P&S PLUG .250CL



TE Part # 770102-1
12P .093 COMM P&S PLUG



TE Part # 770070-1
03P .093 COMM P&S RECPT HSG



TE Part # 770372-1
06P .093 COMM P&S RECPT .250CL



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



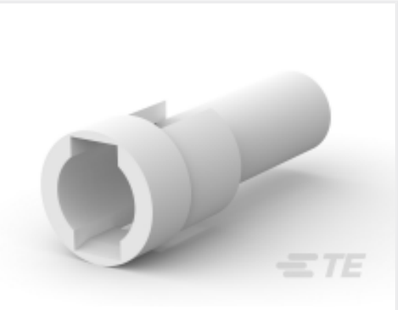
TE Part # 770078-1
04P .093 COMM P&S PLUG HSG



TE Part # 770782-1
06P .093 COMM P&S RECPT



TE Part # 770339-1
03P .093 COMM P&S RECPT .250CL



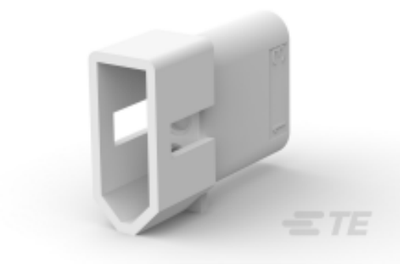
TE Part # 770064-1
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TE Part # 770071-1
03P .093 COMM P&S RECPT HSG



TE Part # 770892-1
06P .093 COMM P&S PLUG PL



TE Part # 770074-1
03P .093 COMM P&S PLUG HSG



TE Part # 770063-1
01P .093 COMM P&S RECPT HSG



TE Part # 770065-1
02P .093 COMM P&S RECPT .248CL



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

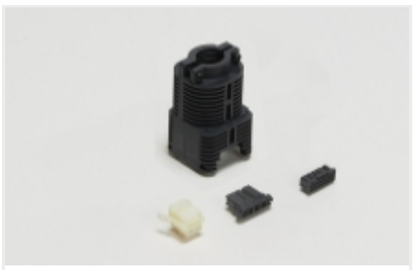
## Also in the Series | Commercial Pin and Socket Connectors



Connector Contacts(41)



Insertion & Extraction Tools(3)



Rectangular Connector Housings(10)



Rectangular Power Connectors(84)



Standard Circular Connectors(1)

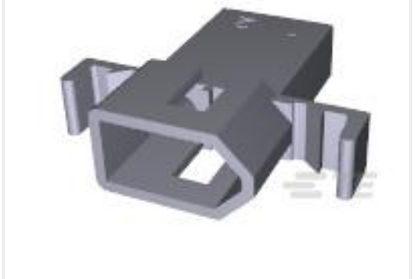
## Customers Also Bought



TE Part #1SET411103R0000
WD-1-DH-GR2560



TE Part #770102-1
12P .093 COMM P&S PLUG



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



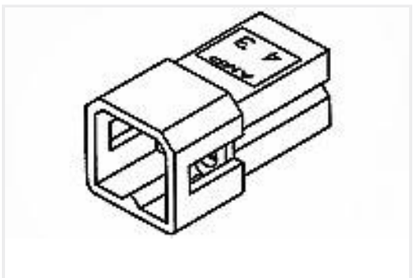
TE Part #770074-1
03P .093 COMM P&S PLUG HSG



TE Part #770063-1
01P .093 COMM P&S RECPT HSG



TE Part #770266-1
02P .093 COMM P&S RECPT .248CL



TE Part #770433-1
04P .062 COMM P&S PLUG



TE Part #770843-1
04P .093 COMM P&S RECPT



TE Part #770097-1
12P .093 COMM P&S RECPT

TE Part #55893-1
CRIMP.TOOL 22-10(SEALED PROD.)

# Documents

## Product Drawings

.093 CP&S SOK PTPBR L/P 20-14

English

## CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_770144-1_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_770144-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_770144-1_C.3d_stp.zip

English

3D PDF

English

Customer View Model

ENG_CVM_770144-1_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_770144-1_F.3d_igs.zip

English

Customer View Model

ENG_CVM_770144-1_F.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