# 1969589-3 ✔ ACTIVE

## Economy Power 2.5

TE Internal #: 1969589-3

3 Position, Receptacle, Housing, Crimp, Wire-to-Wire, UL 94V-0, 2.5 mm [.098 in] Centerline, 1 Row, 250 VAC, Wire & Cable, Economy Power 2.5

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors







Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

Mating Retention: **With**

Mating Retention Type: **Latch**

Termination Method to Wire & Cable: **Crimp**

## Features

### Product Type Features

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

### Configuration Features

| | |
|---|---|
| Number of Positions | 3 |
| Number of Rows | 1 |

### Electrical Characteristics

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

### Body Features

| | |
|---|---|
| Primary Product Color | Natural |

### Contact Features

| | |
|---|---|
| Contact Type | Pin |
| Contact Current Rating (Max) | 7.5 A |

## Termination Features

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

## Mechanical Attachment

| | |
|---|---|
| Strain Relief | Without |
| Panel Mount Feature | Without |
| Mating Retention | With |
| Mating Retention Type | Latch |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

## Housing Features

| | |
|---|---|
| Housing Entry Configuration | Both Ends Closed |
| Centerline (Pitch) | 2.5 mm[.098 in] |
| Housing Material | Nylon GF |

## Dimensions

| | |
|---|---|
| Connector Width | 18.17 mm[.715 in] |
| Compatible Insulation Diameter Range | 1.3 – 1.7 mm[.051 – .067 in] |
| Connector Height | 6.6 mm[.26 in] |
| Connector Length | 10 mm[.393 in] |
| Wire Size | .13 – .33 $mm^2$ |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -25 – 105 °C[-13 – 221 °F] |

## Operation/Application

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

## Industry Standards

| | |
|---|---|
| UL Flammability Rating | UL 94V-0 |
| Glow Wire Rating | Glow Wire |

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 10000 |
| Packaging Method | Bag |

# 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 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Not reviewed 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 # 1-1969589-5
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5



TE Part # 1969589-9
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5



TE Part # 1-1969589-4
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5



TE Part # 1-1969589-1
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5



TE Part # 1969589-6
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5



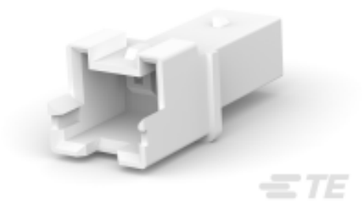
TE Part # 1969589-8
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5



TE Part # 1969589-7
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5



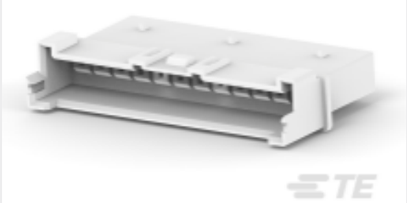
TE Part # 1969588-3
HSG, REC, FREE-HANGING, SINGLE ROW,EP2.5



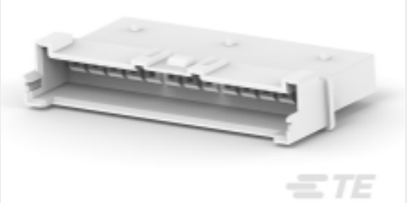
TE Part # 1969589-2
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5



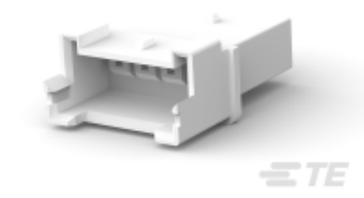
TE Part # 1969589-5
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5



TE Part # 1-1969589-2
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5



TE Part # 1-1969589-3
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5



TE Part # 1969589-4
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5



TE Part # 1-1969589-0
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5

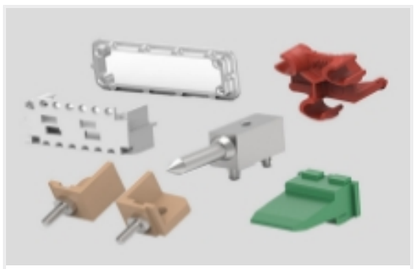


TE Part # 2482324-1
EXTRACTION TOOL

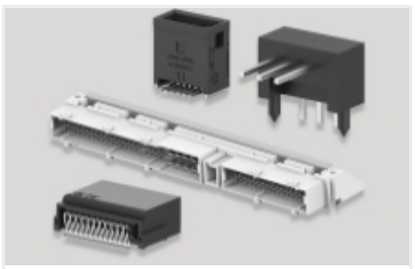
## Also in the Series | Economy Power 2.5



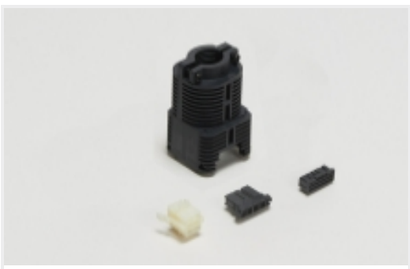
Connector Contacts(6)



Connector Hardware(49)



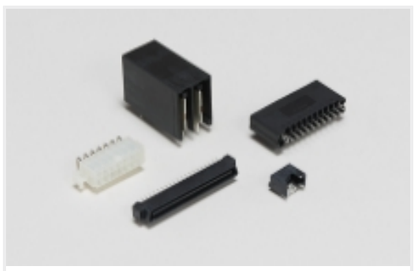
PCB Headers & Receptacles(533)



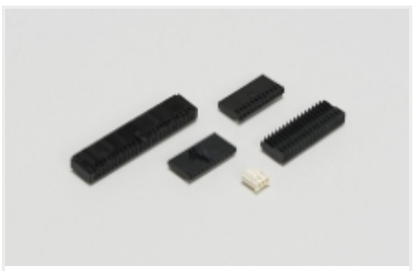
Rectangular Connector Housings(305)



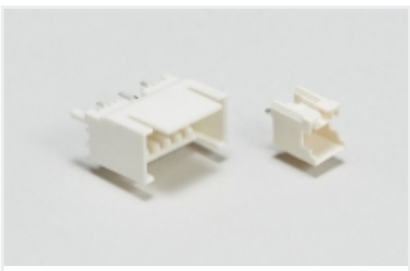
Rectangular Power Connectors(835)



Standard Rectangular Connectors(305)



Wire-to-Board Connector Assemblies & Housings(134)

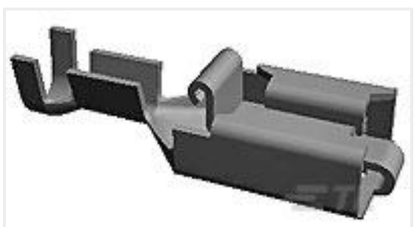


Wire-to-Board Headers & Receptacles (533)

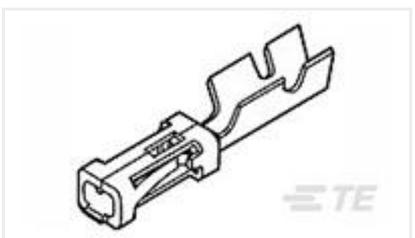
## Customers Also Bought



TE Part #1-150656-1
SHUR PLUG .156 DIA REC 20-16 AWG PB



TE Part #1-160759-2
250 PL MKI REC. 20-15AWG PTPB



TE Part #166309-2
MOD-5 REC.CONTACT



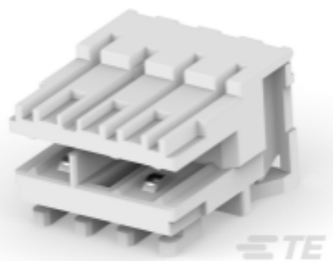
TE Part #440133-5
2.5MM,HSG,5POS



TE Part #925612-1
STC REC 6.3 Contact SRC Sn



TE Part #964203-5
STD PW TIMER CONTACT



TE Part #9-1534798-3
DUOPLUG MKII SELECTIVELY LOADED 3P



TE Part #1747050-1
GRACE INERTIA CONNECTOR 7.92 2POS PLUG H



TE Part #1879980-1
MINI SUPERSEAL CONNECTOR



TE Part #2238008-1
TERMINAL, PIN, LANCELESS, 20-24 AWG, EP2

## Documents

### Product Drawings

HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1969589-3_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1969589-3_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1969589-3_B.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

### Datasheets & Catalog Pages

7-1773461-6_EP2.5_Connector_Series

English

### Product Specifications

Application Specification

English

### Instruction Sheets

Instruction Sheet (U.S.)

English

## Agency Approvals

### VDE Certificate

English