



Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings



Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

Connector System: **Wire-to-Board**

Number of Positions: **22**

Centerline (Pitch): **1.25 mm [.05 in ]**

Features

Product Type Features

|                                   |               |
|-----------------------------------|---------------|
| Applied Pressure                  | Standard      |
| Connector Product Type            | Housing       |
| Connector & Housing Type          | Plug          |
| Connector System                  | Wire-to-Board |
| Sealable                          | No            |
| Connector & Contact Terminates To | Wire & Cable  |

Configuration Features

|                            |    |
|----------------------------|----|
| Number of Signal Positions | 22 |
| Number of Positions        | 22 |
| Number of Rows             | 2  |

Electrical Characteristics

|                                       |         |
|---------------------------------------|---------|
| Operating Voltage                     | 50 VAC  |
| Insulation Resistance                 | 500 MΩ  |
| Dielectric Withstanding Voltage (Max) | 500 VAC |



Body Features

|                         |          |
|-------------------------|----------|
| Connector & Keying Code | Standard |
| Connector Profile       | Low      |
| Primary Product Color   | Natural  |

Contact Features

|                                  |              |
|----------------------------------|--------------|
| Contact Layout                   | Inline       |
| Contact Retention Within Housing | With         |
| Contact Base Material            | Copper Alloy |
| Contact Type                     | Receptacle   |
| Contact Current Rating (Max)     | 1.5 A        |

Termination Features

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

Mechanical Attachment

|                                       |                            |
|---------------------------------------|----------------------------|
| Contact Retention Type Within Housing | Locking Lance              |
| Mating Retention Type                 | Locking Latch              |
| Mating Retention                      | With                       |
| Connector Mounting Type               | Cable Mount (Free-Hanging) |

Housing Features

|                    |                 |
|--------------------|-----------------|
| Housing Material   | Nylon           |
| Centerline (Pitch) | 1.25 mm[.05 in] |

Dimensions

|                                      |             |
|--------------------------------------|-------------|
| Compatible Insulation Diameter Range | .76 – 1 mm  |
| Wire Size                            | 26 – 30 AWG |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Industry Standards

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

Packaging Features

|                  |     |
|------------------|-----|
| 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: JAN 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # 2-2456589-2  
Header Assy, 22pos, VT, KeyA, SGI 1.25



TE Part # 2371403-1  
SGI 1.25 RCPT Contact, 26-30AWG

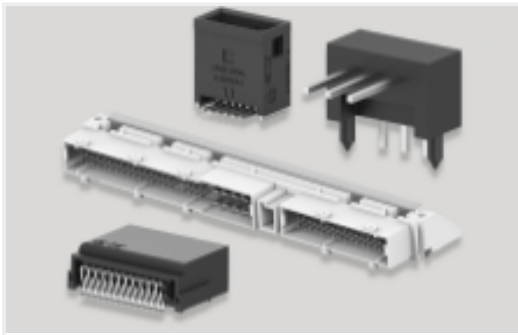


TE Part # 2454997-1  
SGI 1.25 RCPT Contact, 26-30AWG

Also in the Series | GRACE INERTIA 1.25



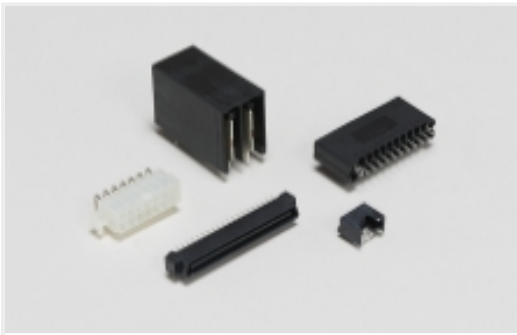
Connector Contacts(2)



PCB Headers & Receptacles(76)



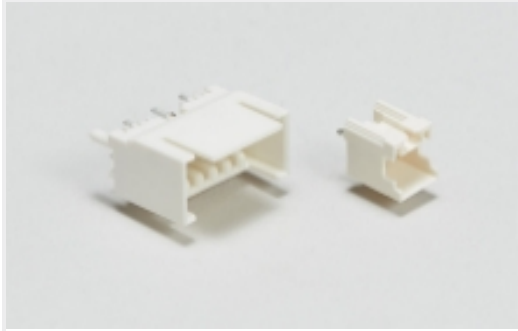
Rectangular Connector Housings(2)



Standard Rectangular Connectors(2)



Wire-to-Board Connector Assemblies & Housings(42)



Wire-to-Board Headers & Receptacles (76)

Customers Also Bought



TE Part #170326-1  
187 PL MKII REC. 18-14AWG PTBR



TE Part #175057-2  
250 PL EX FLAG REC. 18-12AWG PTBR



TE Part #175286-3  
DYNAMIC D-3 TAB CONT. L AU 0.76



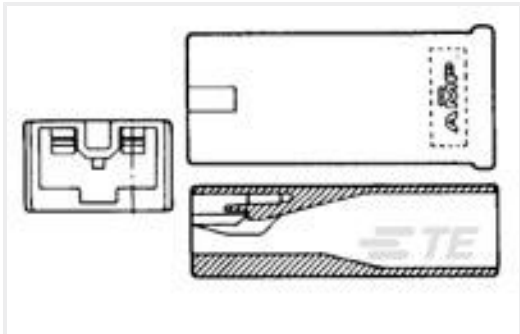
TE Part #1-176497-1  
250 HSG. PL EX FLAG REC. NAT



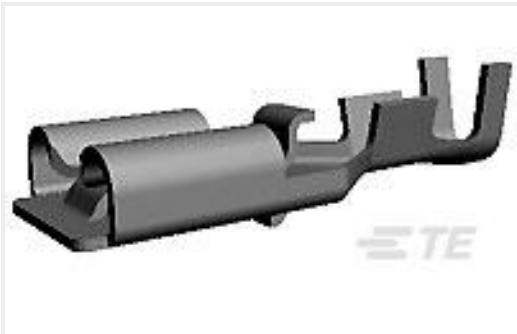
TE Part #177908-1  
POWER DBL LOCK CAP HSG P/M 4P



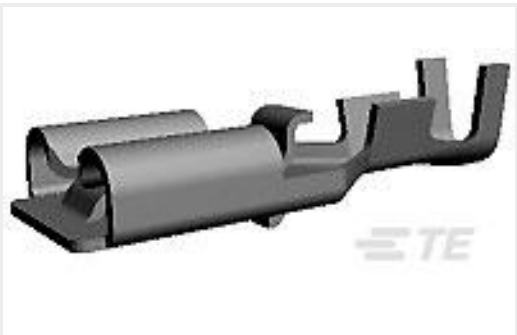
TE Part #179464-1  
POWER DBL LOCK CAP HSG F/H 3P



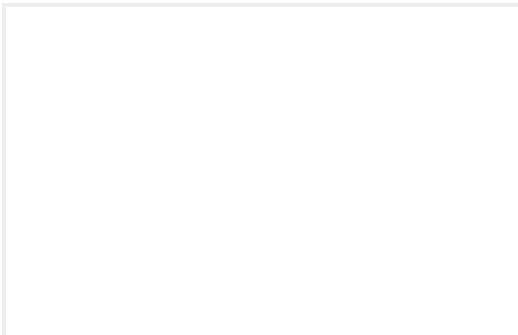
TE Part #179970-6  
PL EXII 250 REC HSG 1P NYLON BLUE



TE Part #179973-1  
250 PL EX REC. 22-18AWG PTBR



TE Part #179975-1  
250 PL EX REC. 15-10AWG PTBR



TE Part #913702-1  
HOOK SHEAR PICK-UP

Documents



Product Drawings

Plug HSG, VT, KeyA, 22pos, SGI 1.25

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2-2456588-2\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-2456588-2\_A.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-2456588-2\_A.2d\_dxf.zip

English

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

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English