

3-640252-1 ✓ ACTIVE



CST | SL-156

TE Internal #: 3-640252-1

Connector Contact, Socket, Wire-to-Board / Wire-to-Wire, 24 – 18

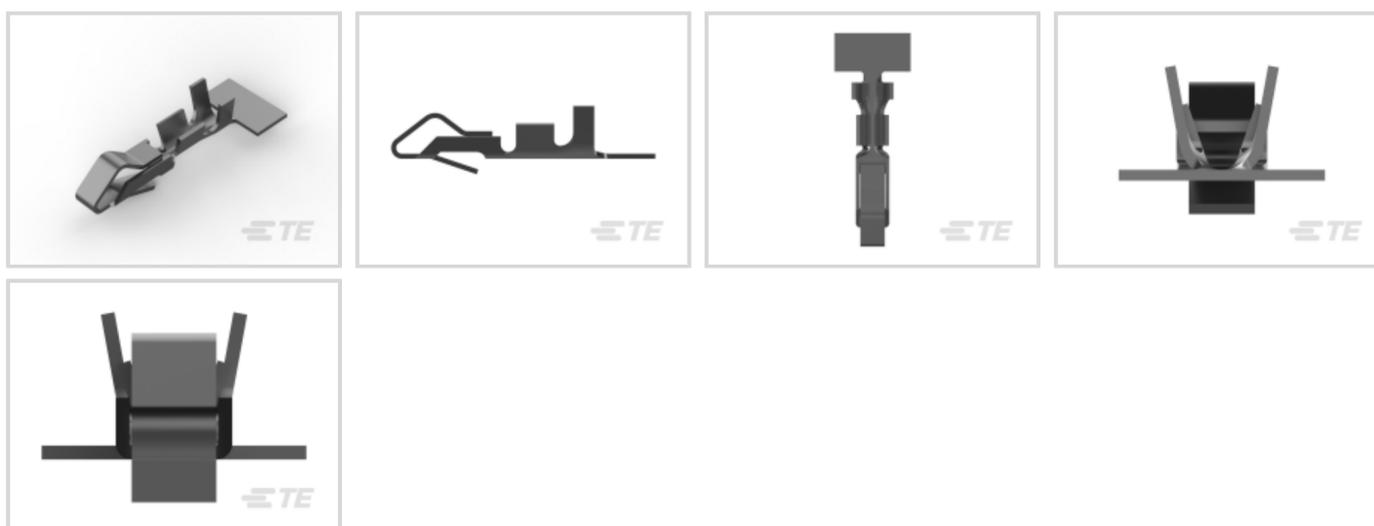
AWG Wire Size, .2 – .9 mm<sup>2</sup> Wire Size, Tin, Reel, Wire & Cable, 6.5

A, Signal, SL-156

[View on TE.com >](#)

[Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Contacts >](#)

Wire-to-Board Connector Contacts: socket, wire size 30-16 AWG, SL 156



Contact Type: **Socket**

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

Wire Size: **.2 – .9 mm<sup>2</sup>**

Contact Mating Area Plating Material: **Tin**

[All Wire-to-Board Connector Contacts: socket, wire size 30-16 AWG, SL 156 \(24\)](#)

## Features

### Product Type Features

|                                   |                             |
|-----------------------------------|-----------------------------|
| Applied Pressure                  | High                        |
| Connector System                  | Wire-to-Board, Wire-to-Wire |
| Sealable                          | No                          |
| Connector & Contact Terminates To | Wire & Cable                |

### Configuration Features

|                                   |               |
|-----------------------------------|---------------|
| Compatible With Wire & Cable Type | Discrete Wire |
|-----------------------------------|---------------|

### Electrical Characteristics

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

### Contact Features

|                                         |                  |
|-----------------------------------------|------------------|
| Mating Square Post Dimension            | 1.14 mm[.045 in] |
| Contact Retention Within Housing        | With             |
| Contact Underplating Material Thickness | 1.27 μm[50 μin]  |



|                                                 |       |
|-------------------------------------------------|-------|
| Wire Contact Termination Area Plating Thickness | .2 μm |
|-------------------------------------------------|-------|

|                                                       |        |
|-------------------------------------------------------|--------|
| Wire Contact Termination Area Plating Material Finish | Bright |
|-------------------------------------------------------|--------|

|                                                |     |
|------------------------------------------------|-----|
| Wire Contact Termination Area Plating Material | Tin |
|------------------------------------------------|-----|

|                                                |                 |
|------------------------------------------------|-----------------|
| Contact Mating Area Plating Material Thickness | 2.03 μm[80 μin] |
|------------------------------------------------|-----------------|

|                                             |        |
|---------------------------------------------|--------|
| Contact Mating Area Plating Material Finish | Bright |
|---------------------------------------------|--------|

|                               |        |
|-------------------------------|--------|
| Contact Underplating Material | Nickel |
|-------------------------------|--------|

|                       |       |
|-----------------------|-------|
| Contact Base Material | Brass |
|-----------------------|-------|

|              |        |
|--------------|--------|
| Contact Type | Socket |
|--------------|--------|

|                                      |     |
|--------------------------------------|-----|
| Contact Mating Area Plating Material | Tin |
|--------------------------------------|-----|

|                              |       |
|------------------------------|-------|
| Contact Current Rating (Max) | 6.5 A |
|------------------------------|-------|

### Termination Features

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

### Mechanical Attachment

|                                       |               |
|---------------------------------------|---------------|
| Contact Retention Type Within Housing | Locking Lance |
|---------------------------------------|---------------|

|                         |                            |
|-------------------------|----------------------------|
| Connector Mounting Type | Cable Mount (Free-Hanging) |
|-------------------------|----------------------------|

### Dimensions

|                                        |                |
|----------------------------------------|----------------|
| Accepts Wire Insulation Diameter Range | 2.8 mm[.11 in] |
|----------------------------------------|----------------|

|           |                         |
|-----------|-------------------------|
| Wire Size | .2 – .9 mm <sup>2</sup> |
|-----------|-------------------------|

### Usage Conditions

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

### Operation/Application

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

### Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 7500 |
|--------------------|------|

|                  |      |
|------------------|------|
| Packaging Method | Reel |
|------------------|------|

### Other

|         |                                              |
|---------|----------------------------------------------|
| Comment | Recommended for 1 thru 12 position housings. |
|---------|----------------------------------------------|

### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

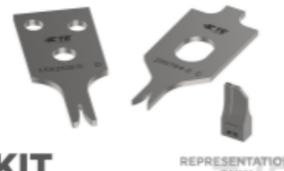
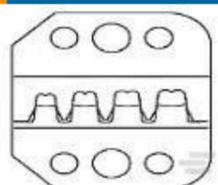
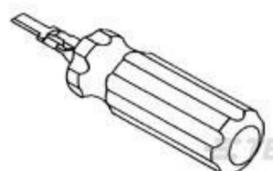
|                              |           |
|------------------------------|-----------|
| EU RoHS Directive 2011/65/EU | Compliant |
|------------------------------|-----------|

|                                               |                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 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)<br>Candidate List Declared Against: JUNE 2022 (224)<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

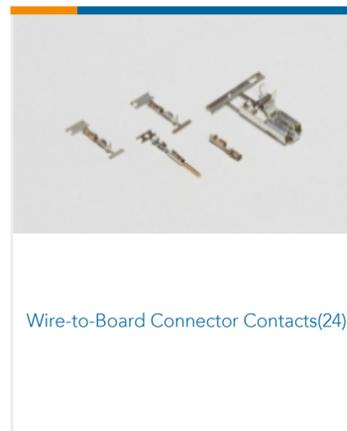
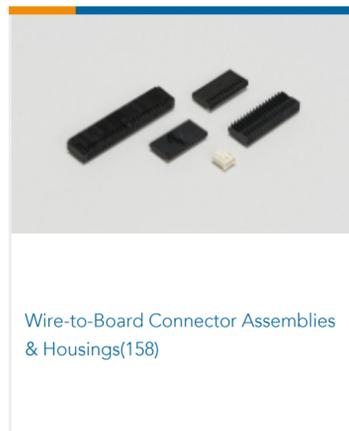
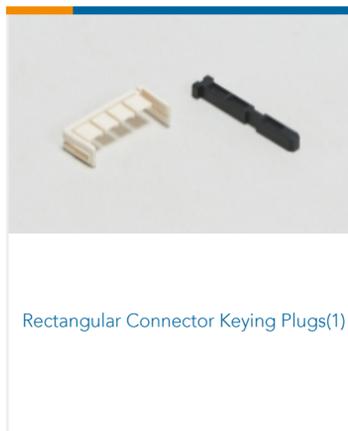
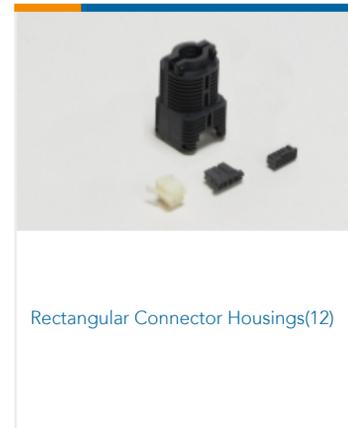
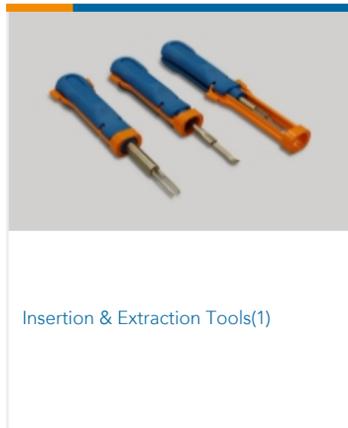
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

|                                                                                                                                           |                                                                                                                                                             |                                                                                                                                                          |                                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 58614-1<br/>PROCrimp, HT&amp;D SL156</p> |  <p>TE Part # 2305570-1<br/>Strip Terminal Cutter-Side Feed-No Crimp</p> |  <p>TE Part # 7-2151033-7<br/>OCEAN_2.0_SPARE_PART_KIT-070F100F</p> |  <p>TE Part # 2151033-1<br/>OCEAN-2.0-APPLICATOR-S-070F100F</p>   |
|  <p>TE Part # 58614-2<br/>PROCrimp, DIE, SL156</p>     |  <p>TE Part # 90471-1<br/>EXTRACTION TOOL, SC-156</p>                    |  <p>TE Part # 91597-1<br/>CCII SL-156 REC 24-18 ASSY</p>            |  <p>TE Part # 2-2151033-1<br/>OCEAN-2.0-APPLICATOR-S-070F100F</p> |



## Also in the Series | SL-156



## Documents

### Product Drawings

045 POST CONT 0126PTPBR

English

### CAD Files

3D PDF

3D

Customer View Model



[ENG\\_CVM\\_CVM\\_3-640252-1\\_AT.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_3-640252-1\\_AT.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_3-640252-1\\_AT.3d\\_stp.zip](#)

English

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

---

### Datasheets & Catalog Pages

[MTA, CST-100 II, SL-156 and AMP Economy Power \(EP\) Connectors](#)

English

---

### Product Specifications

[Application Specification](#)

English

---

### Product Environmental Compliance

[MD\\_3-640252-1\\_10262018647\\_dmtec](#)

English

[MD\\_3-640252-1\\_10262018647\\_dmtec](#)

English

---

### Agency Approvals

[CSA Certificate](#)

English