



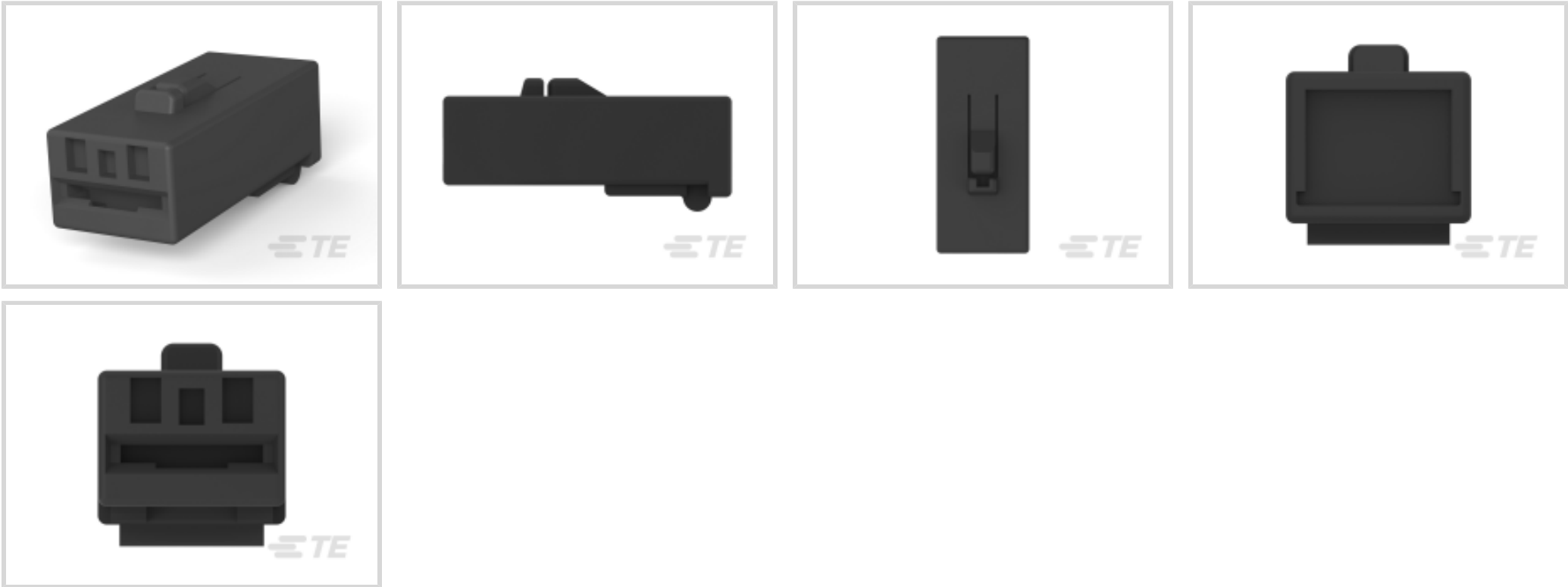
Positive Lock | Positive Lock 250

TE Internal #: 174090-2

Receptacle, Plug, 1 Position, Straight, UL 94V-2, Black, Nylon 66,  
Contact Mating Retention, Positive Lock 250, Crimp Terminal  
Housings

[View on TE.com >](#)

Terminals & Splices > Terminal Housings, Insulation Sleeves & Blocks > Crimp Terminal Housings



Terminal Type: **Receptacle**  
Connector & Housing Type: **Plug**  
Number of Positions: **1**  
Terminal Orientation: **Straight**  
UL Flammability Rating: **UL 94V-2**

Features

Contact Features

|                          |            |
|--------------------------|------------|
| Terminal Type            | Receptacle |
| Terminal Orientation     | Straight   |
| Contact Mating Retention | With       |

Product Type Features

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

Configuration Features

|                     |   |
|---------------------|---|
| Number of Positions | 1 |
|---------------------|---|

Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-2 |
|------------------------|----------|

Body Features

|  |  |
|--|--|
|  |  |
|--|--|



|                       |       |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

Housing Features

|                  |          |
|------------------|----------|
| Housing Material | Nylon 66 |
|------------------|----------|

Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Mating Alignment        | With                       |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Method   | Bag |
| Packaging Quantity | 100 |

Usage Conditions

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

Other

|                    |           |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance  | Compliant |

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

|                                                                    |                                                                    |                                                                  |                                                                 |
|--------------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------------|
| <br>TE Part # 170456-1<br>PL 250 AUTOMOTIVE REC 12-10 0.40 X 21 BR | <br>TE Part # 170454-1<br>PL 250 AUTOMOTIVE REC 18-14 0.40 X 21 BR | <br>TE Part # 170456-2<br>PL 250 AM REC 12-10 0.40 X 21 PRE-TPBR | <br>TE Part # 170452-1<br>PL 250 AM REC 22-20 AWG 0.406 X 21 BR |
| <br>TE Part # 170452-2<br>PL 250 AUTOMOTIVE REC 22-20 AWG PRE TPBR | <br>TE Part # 170454-2<br>PL 250 AM REC 18-14 0.40 X 21 PRE-TPBR   | <br>TE Part # 172863-1<br>250 POSITIVE DBL LOCK 1P               | <br>TE Part # 172864-1<br>250 POSITIVE DBL LOCK 2P NATUR        |

Also in the Series | Positive Lock 250

|                             |                                  |                                     |                                   |
|-----------------------------|----------------------------------|-------------------------------------|-----------------------------------|
| <br>Automotive Terminals(1) | <br>Crimp Terminal Housings(190) | <br>Insertion & Extraction Tools(3) | <br>Insulation Boots & Sleeves(4) |
| <br>Quick Disconnects(185)  |                                  |                                     |                                   |

Customers Also Bought



TE Part #172434-2  
POSITIVE LOCK 250 (6.3 MM)  
HOUSING

TE Part #6-176143-6  
187 CAP HSG ASSY 2P LIGHT GRAY

TE Part #1903611-6  
0.50 SERIES CONN 12POS PLUG  
HOUSING ASSY

TE Part #1743757-2  
SPT SEALED 3P CAP HSG

TE Part #1981561-2  
0.50 SERIES CAVITY PLUG

TE Part #2005281-3  
MT3/JPT/SPT HYB 58P PLUG ASSY

TE Part #2348822-2  
HV-20 TERMINATOR, 200V

TE Part #2229097-3  
0.50 SERIES CONN 21POS PLUG ASSY

TE Part #85069-2  
250 P.LOCK REC

TE Part #85003-2  
187 CLIP HSG

Documents

Product Drawings  
PL .250 (6.3 MM) HOUSING

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_174090-2\_G\_c-174090-2-g.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_174090-2\_G\_c-174090-2-g.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_174090-2\_G\_c-174090-2-g.3d\_stp.zip

English

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

Product Specifications



Crimping of 250 Series, Automotive Positive Lock Receptacle Contact

English

Application Specification

English

Instruction Sheets

Instruction Sheet (non U.S.)

English

Instruction Sheet (non U.S.)

Japanese