



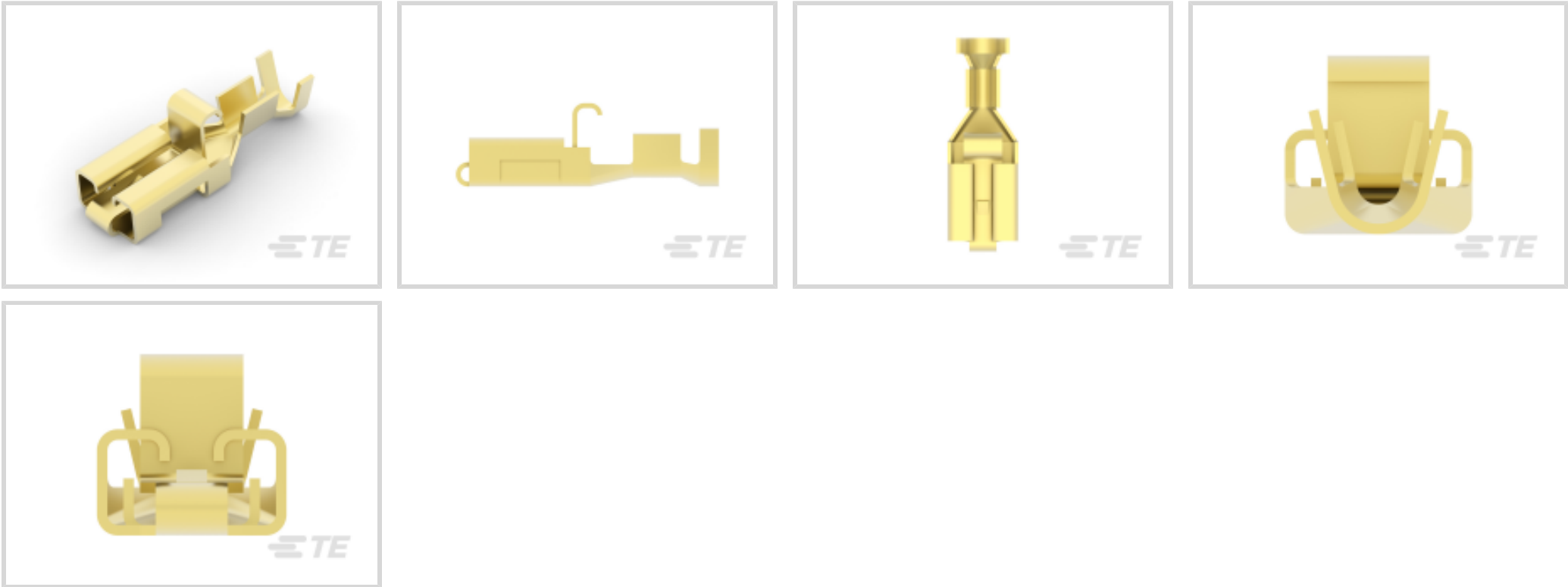
Positive Lock | Positive Lock 250

TE Internal #: 170265-1

Receptacle, 20 – 14 AWG Wire Size, .51 – 2.08 mm² Wire Size,  
Mating Tab Width 6.35 mm [.25 in], Straight, Brass, Positive Lock  
250, Quick Disconnects

[View on TE.com >](#)

Terminals & Splices > Quick Disconnects



Quick Disconnect Terminal Type: **Receptacle**

Wire Size: **.51 – 2.08 mm²**

Mating Tab Width: **6.35 mm [.25 in]**

Mating Tab Thickness: **.81 mm [.032 in]**

Features

Product Type Features

|                 |     |
|-----------------|-----|
| Insertion Force | Low |
|-----------------|-----|

Configuration Features

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

Contact Features

|                                |                 |
|--------------------------------|-----------------|
| Quick Disconnect Terminal Type | Receptacle      |
| Mating Tab Width               | 6.35 mm[.25 in] |
| Mating Tab Thickness           | .81 mm[.032 in] |
| Terminal Orientation           | Straight        |
| Contact Base Material          | Brass           |
| Terminal Plating Material      | Tin             |
| Crimp Type                     | F-Crimp         |
| Barrel Type                    | Open            |

Termination Features

|                       |              |
|-----------------------|--------------|
| Product Terminates To | Wire & Cable |
|-----------------------|--------------|



Mechanical Attachment

|                         |                |
|-------------------------|----------------|
| Extraction Force        | 7 – 100 Newton |
| Wire Insulation Support | With           |
| Mating Retention Type   | Dimple         |

Dimensions

|                                      |                              |
|--------------------------------------|------------------------------|
| Terminal Material Thickness          | .6 mm[.023 in]               |
| Product Length                       | 23 mm[.905 in]               |
| Compatible Insulation Diameter Range | 2.2 – 3.4 mm[.086 – .134 in] |
| Wire Size                            | .51 – 2.08 mm²               |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Insulation Option           | Uninsulated                |
| Operating Temperature Range | -40 – 110 °C[-40 – 230 °F] |

Industry Standards

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

Packaging Features

|                    |                    |
|--------------------|--------------------|
| Packaging Quantity | 1000               |
| Packaging Method   | Loose Piece/Carton |

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 # 171809-2  
POSITIVE LOCK (PL) HOUSING



TE Part # 171809-1  
POSITIVE LOCK (PL) HOUSING



TE Part # 755342-1  
DAHT POS LOCK REC CONT 20-14  
ASSY

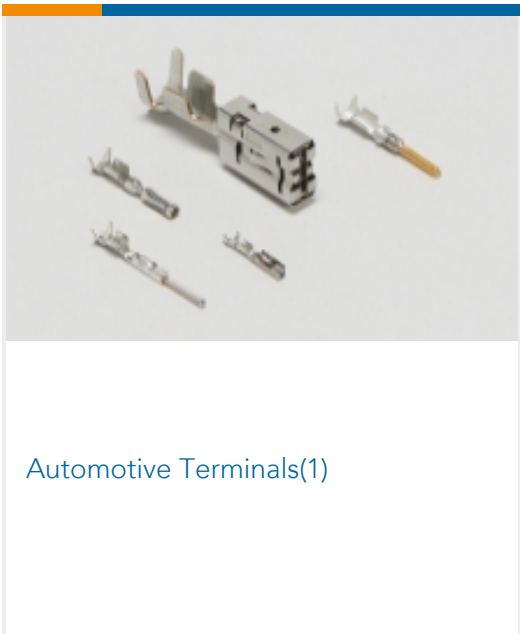


TE Part # 784640-1  
EXT TOOL FOR POS LOCK MKI

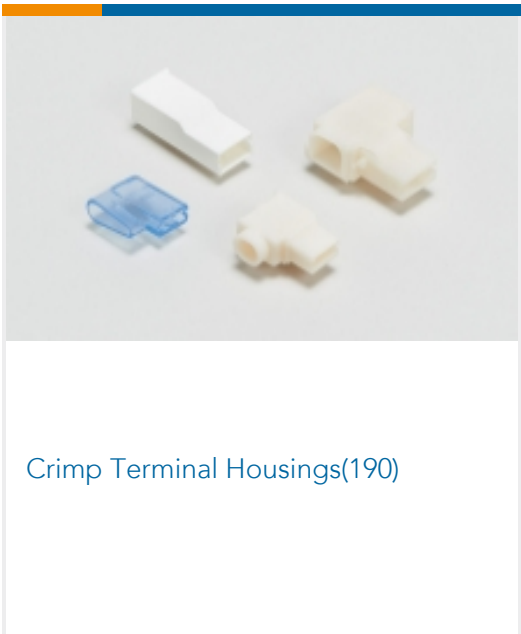


TE Part # 752940-1  
CRIMPING JAW HEAD ASSY

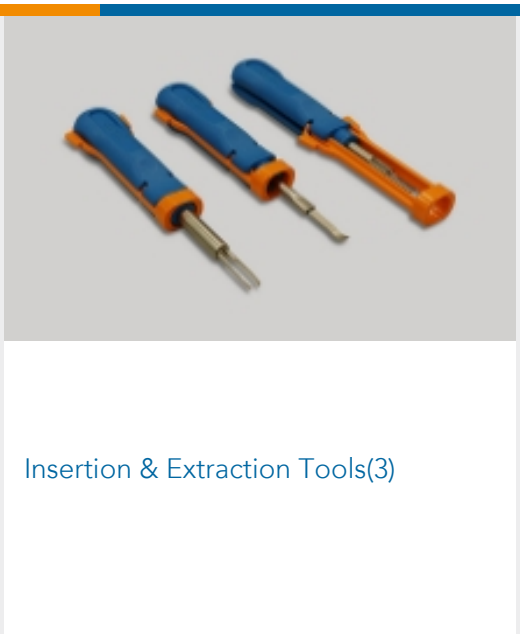
Also in the Series | Positive Lock 250



Automotive Terminals(1)



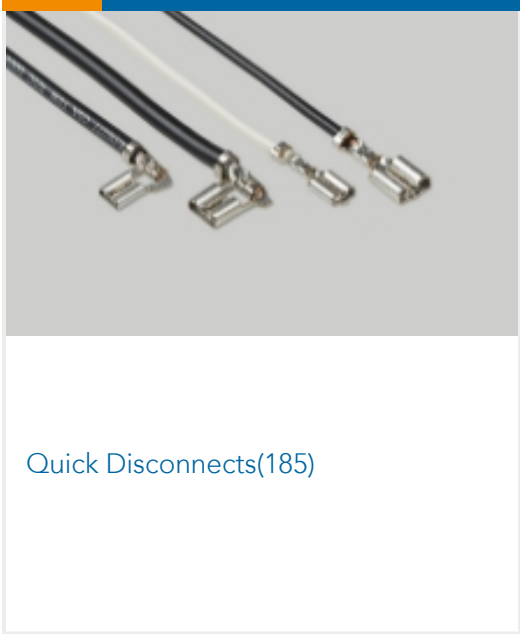
Crimp Terminal Housings(190)



Insertion & Extraction Tools(3)



Insulation Boots & Sleeves(4)



Quick Disconnects(185)



Customers Also Bought

TE Part #1-179552-3  
DYNAMIC D-3200 WTW TAB HSG 3P

TE Part #178964-5  
DYNAMIC D-3 W-T-W TAB HSG 10P

TE Part #3-2176070-7  
3521 330R 1% 2W

TE Part #42822-2  
250 FASTON TAB TPBR

TE Part #170467-1  
187 FASTON,REC.,18-14 AWG,TPPB

TE Part #60196-3  
187 FASTON REC 20-16 AWG TPBR

TE Part #171809-1  
POSITIVE LOCK (PL) HOUSING

Documents

Product Drawings

PL 250 REC 12-10 AWG 0.406 X 42.3 BR

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_170265-1\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_170265-1\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_170265-1\_A.3d\_stp.zip

English

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Product Specifications

Product Specification

English

1-Position, Positive Lock Connector

English