



Positive Lock | Positive Lock 250

TE Internal #: 170233-1

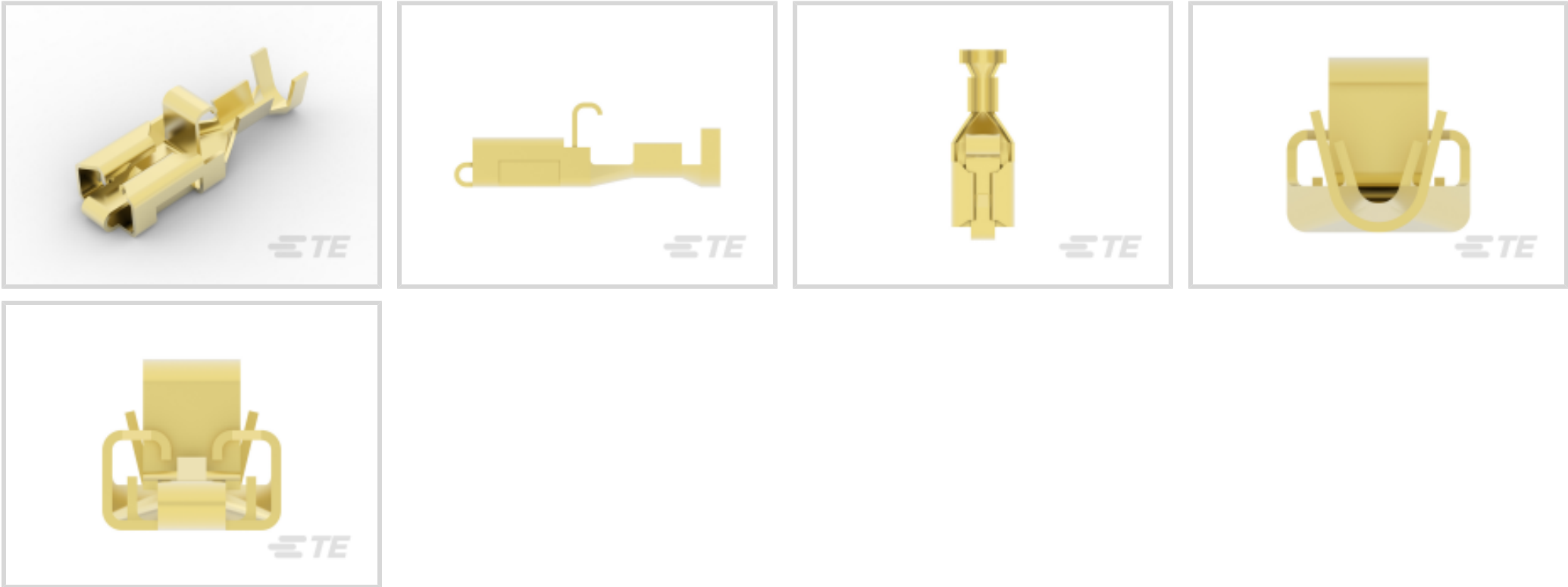
Positive Lock 250, Quick Disconnects, Receptacle, 20 – 14AWG

Wire Size, .51 – 2.08mm<sup>2</sup> Wire Size, Quick Disconnect Mating Tab

Width 6.35 mm [.25 in]

[View on TE.com >](#)

Terminals & Splices > Quick Disconnects



Terminal & Splice Type: **Receptacle**

Wire Size: **.51 – 2.08 mm<sup>2</sup>**

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

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

Features

Product Type Features

|                                  |              |
|----------------------------------|--------------|
| Wire Stop                        | No           |
| Wire/Cable Type                  | Regular Wire |
| Terminates To                    | Wire & Cable |
| Quick Disconnect Insertion Force | Low          |
| Sealable                         | No           |
| Insulated                        | No           |

Configuration Features

|                     |        |
|---------------------|--------|
| Connection Capacity | Single |
|---------------------|--------|

Body Features

|                                   |          |
|-----------------------------------|----------|
| Fully Insulated                   | No       |
| Quick Disconnect Plating Material | Unplated |

Contact Features

|                        |            |
|------------------------|------------|
| Terminal Type          | Receptacle |
| Terminal & Splice Type | Receptacle |



|                                       |          |
|---------------------------------------|----------|
| Quick Disconnect Terminal Orientation | Straight |
| Contact Base Material                 | Brass    |
| Crimp Type                            | F-Crimp  |
| Barrel Type                           | Open     |

Mechanical Attachment

|                         |        |
|-------------------------|--------|
| Mating Retention Type   | Dimple |
| Wire Insulation Support | With   |

Dimensions

|                                        |                              |
|----------------------------------------|------------------------------|
| Accepts Wire Insulation Diameter Range | 2.1 – 3.4 mm[.082 – .134 in] |
| Overall Length                         | 22.1 mm[.87 in]              |
| Receptacle Terminal Stock Thickness    | .41 mm[.016 in]              |
| Wire Size                              | .51 – 2.08 mm²               |
| Quick Disconnect Mating Tab Width      | 6.35 mm[.25 in]              |
| Quick Disconnect Mating Tab Thickness  | .81 mm[.032 in]              |

Usage Conditions

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

Industry Standards

|           |            |
|-----------|------------|
| UL Rating | Recognized |
|-----------|------------|

Packaging Features

|                                   |            |
|-----------------------------------|------------|
| Packaging Quantity                | 2000       |
| Quick Disconnect Packaging Method | Strip/Reel |

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 2021 (211)<br>Candidate List Declared Against: JAN 2021 (211)<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 # 171809-2<br/>POSITIVE LOCK (PL) HOUSING</p>             |  <p>TE Part # 171809-1<br/>POSITIVE LOCK (PL) HOUSING</p>         |  <p>TE Part # 171810-2<br/>POSITIVE LOCK HOUSING RECEPTACLE</p> |  <p>TE Part # 1380089-1<br/>PL MKIII L.I.F 250 REC&gt;1.0/2.5 MM2 BR</p> |
|  <p>TE Part # 1380088-1<br/>PL MKIII L.I.F 250 REC 0.5/1.0 MM2 BR</p> |  <p>TE Part # 2-2836398-2<br/>OCEAN_2.0_Applicator-S-110F180F</p> |  <p>TE Part # 2836398-2<br/>OCEAN_2.0_Applicator-S-110F180F</p> |  <p>TE Part # 7-2836398-2<br/>OCEAN_2.0_Applicator-S-110F180F</p>        |
|  <p>TE Part # 7-2836398-7<br/>OCEAN_2.0_SPARE_PART_KIT-110F180F</p>   |  <p>TE Part # 752940-1<br/>CRIMPING JAW HEAD ASSY</p>             |                                                                                                                                                      |                                                                                                                                                               |

Also in the Series | Positive Lock 250



Automotive Terminals(1)



Crimp Terminal Housings(203)



Insertion & Extraction Tools(3)



Insulation Boots & Sleeves(6)



Quick Disconnects(189)

Customers Also Bought



TE Part #1-2308340-1  
D-SUB BACKSHELL SIZE 1



TE Part #1-2308272-3  
CABLE CLAMP FOR SIZE 1-3STD/1-4  
QL SHELL



TE Part #1622218-1  
LR0204 1% 33K



TE Part #1612683-1  
MULTILOCK, CONNECTOR HOUSING



TE Part #1-1897620-1  
MINI MTDL 10P PLUG HSG



TE Part #1612684-1  
060/187 ABS 26POS COVER ASSY



TE Part #1473140-1  
SQUIB 11DIA MK-2 LOCKING BUTTO



TE Part #1612123-1  
SQUIB FERRITE



TE Part #1601075-2  
131-145-014=WIRE2BLADE,STD,SMZ



TE Part #EK4828-000  
91H1-11-06-1-C-HE100

Documents



Product Drawings

PL 250 REC 0.5-2.27 MM2 BR

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_170233-1\_M.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_170233-1\_M.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_170233-1\_M.3d\_stp.zip

English

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

Product Specifications

Crimping of Positive Lock Receptacle Contact

English

Application Specification

English

Product Environmental Compliance

MD\_170233-1\_10272017617\_dmtec

English

MD\_170233-1\_10272017617\_dmtec

English