



Positive Lock | Positive Lock 250

TE Internal #: 172765-1

Receptacle, 14 – 12 AWG Wire Size, 2.1 – 3.31 mm² Wire Size,  
Mating Tab Width 6.35 mm [.25 in], Flag, Brass, Positive Lock 250,  
Quick Disconnects

[View on TE.com >](#)

Terminals & Splices > Quick Disconnects



Quick Disconnect Terminal Type: **Receptacle**

Wire Size: **2.1 – 3.31 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

|                                   |               |
|-----------------------------------|---------------|
| Connection Capacity               | Single        |
| 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           | Flag            |
| Contact Base Material          | Brass           |
| Terminal Plating Material      | Pre-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          | .41 mm[.016 in]             |
| Product Length                       | 21.6 mm[.85 in]             |
| Compatible Insulation Diameter Range | 2.8 – 5.2 mm[.11 – .204 in] |
| Wire Size                            | 2.1 – 3.31 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 | 2000       |
| 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: 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 # 1-172469-2<br>PL 250 (6.3 MM) HOUSING BLUE 6/6<br>NYLON | TE Part # 341299-2<br>PL 250 REC TERMINAL 20-15 AWG<br>PTPB | TE Part # 1-172469-1<br>PL 250 HOUSING NATURAL 6/6<br>NYLON | TE Part # 2150940-2<br>OCEAN_2.0_Applicator-E-130F2190-<br>SEA |

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





|                                                                                                                                                         |                                                                                                                                                        |                                                                                                                                                   |                                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part #2-6609028-0<br/>30VK6=F7358 S0</p>                        |  <p>TE Part #3-641238-2<br/>02P MTA100 CONN ASSY NATL 30AU</p>        |  <p>TE Part #6609047-3<br/>15VT1=F7334 S0</p>                  |  <p>TE Part #61177-2<br/>250 FASTON FLAG REC 18-12 AWG TPBR</p> |
|  <p>TE Part #3-1355397-3<br/>4POS MQS REC COD C</p>                    |  <p>TE Part #329633<br/>GASKET</p>                                    |  <p>TE Part #224152-E<br/>M8 MALE, A CODE, 4P, 16.25MM SMT</p> |  <p>TE Part #20010725-09<br/>PRESS XDCR U535D-000005-150PG</p>  |
|  <p>TE Part #134521-E<br/>ERBIC BUS * BUS-SYSTEM SYS DEVN HO SC CU</p> |  <p>TE Part #144744-E<br/>ERBIC BUS B BUS-SYSTEM SYS CAN HO SC CU</p> |                                                                                                                                                   |                                                                                                                                                    |

Documents

Product Drawings

PL 250 FLAG REC 14-12 0.40 X 49.2 PTBR

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_172765-1\_E.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_172765-1\_E.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_172765-1\_E.3d\_stp.zip

English

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

Datasheets & Catalog Pages



Positive Lock Receptacles

English

1654742\_HOUSEHOLD\_APPLIANCES\_RAST5

English

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Product Specifications

1-Pos.'250' Flag, Positive Lock Connector

Japanese

Application Specification

Japanese