



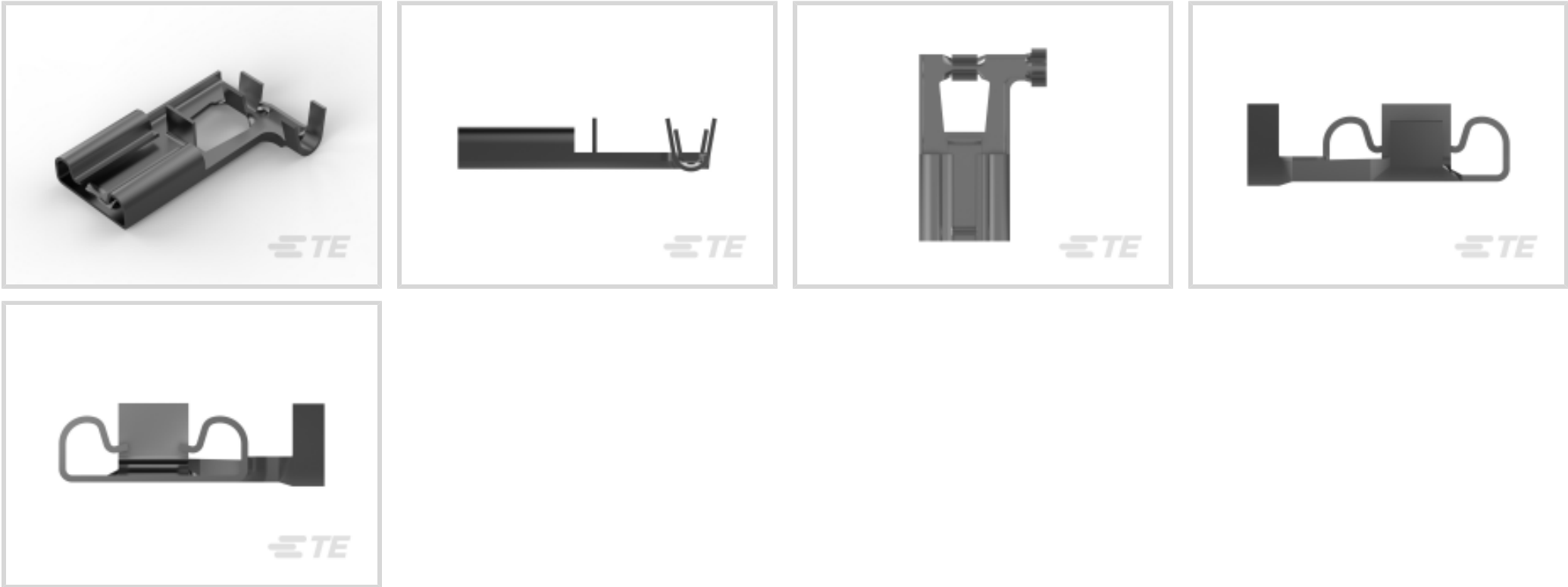
Positive Lock | Positive Lock 312

TE Internal #: 900319-1

Receptacle, 20 – 18 AWG Wire Size, .51 – .82 mm<sup>2</sup> Wire Size,  
Mating Tab Width 7.92 mm [.312 in], Flag, Brass, Positive Lock 312,  
Quick Disconnects

[View on TE.com >](#)

Terminals & Splices > Quick Disconnects



Quick Disconnect Terminal Type: **Receptacle**

Wire Size: **.51 – .82 mm<sup>2</sup>**

Mating Tab Width: **7.92 mm [.312 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               | 7.92 mm[.312 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          | .33 mm[.013 in]               |
| Product Length                       | 18.3 mm[.72 in]               |
| Compatible Insulation Diameter Range | 1.52 – 2.31 mm[.06 – .091 in] |
| Wire Size                            | .51 – .82 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 # 172615-2  
POSITIVE LOCK 312 HOUSING  
RECEPTACLE



TE Part # 177720-2  
312 POSITIVE FLAG HSG 3P



TE Part # 353752-2  
HEAD LAMP CONNECTOR .312 (7.92  
MM)

Also in the Series | Positive Lock 312



Crimp Terminal Housings(4)



Insertion & Extraction Tools(1)



Quick Disconnects(5)

Customers Also Bought



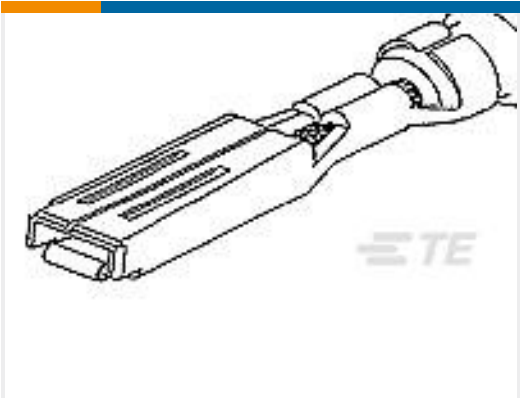
TE Part #2822363-1  
EJ-2 DBL LOCK PLUG 2P ASSY B



TE Part #170014-6  
FF 110 TAB 20-16AWG TPBR



TE Part #170140-2  
187 FASTON, FLAG, REC., 16-20 AWG,  
TPBR



TE Part #282403-1  
MINI MIC SRS REC CONT



Documents

Product Drawings

PL 312 FLAG REC 20-18AWG 0.32X24.9 PTPBR

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_900319-1\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_900319-1\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_900319-1\_A.3d\_stp.zip

English

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

Product Specifications

Application Specification

English

.312 Series Positive Lock Receptacle (Flag)

English

Instruction Sheets

Instruction Sheet (non U.S.)

Japanese