

172795-1 ✓ ACTIVE

[Positive Lock](#) | [Positive Lock 312](#)

TE Internal #: 172795-1

Quick Disconnects, Receptacle, 20 – 14 AWG Wire Size, .51 – 2.08 mm<sup>2</sup> Wire Size, Mating Tab Width .312 in [7.92 mm], Flag, Brass, Positive Lock 312

[View on TE.com >](#)



Terminals & Splices > Quick Disconnects



Quick Disconnect Terminal Type: **Receptacle**

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

Mating Tab Width: **7.92 mm [ .312 in ]**

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

## Features

### Product Type Features

Terminates To	Wire & Cable
Wire/Cable Type	Regular Wire
Wire Stop	No
Insertion Force	Low
Sealable	No

### Configuration Features

Connection Capacity	Single
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### 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	Tin
Crimp Type	F-Crimp



Barrel Type	Open
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### Mechanical Attachment

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

### Dimensions

Accepts Wire Insulation Diameter Range	2.21 – 3.4 mm [.087 – .134 in]
Receptacle Terminal Stock Thickness	.33 mm [.013 in]
Overall Length	18.8 mm [.74 in]
Wire Size	.51 – 2.08 mm <sup>2</sup>

### Usage Conditions

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

### Industry Standards

UL Rating	Recognized
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### Packaging Features

Packaging Quantity	2000
Packaging Method	Strip/Reel

### Other

Comment	Heavy Duty
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### 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 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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 # 353752-2  
HEAD LAMP CONNECTOR .312 (7.92 MM)



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



TE Part # 2-2836758-2  
OCEAN\_2.0\_APPLICATOR-S-090F140FA



TE Part # 2836758-2  
OCEAN\_2.0\_APPLICATOR-S-090F140FA



TE Part # 7-2836758-2  
OCEAN\_2.0\_APPLICATOR-S-090F140FA



TE Part # 7-2836758-7  
OCEAN\_2.0\_SPARE\_PART\_KIT-090F140F



TE Part # 724719-1  
EXT.TOOL FOR SHIELD BEAM



TE Part # 900318-2  
PL 312 FLAG REC 20-18AWG



TE Part # 900319-2  
PL 312 FLAG REC 20-18AWG

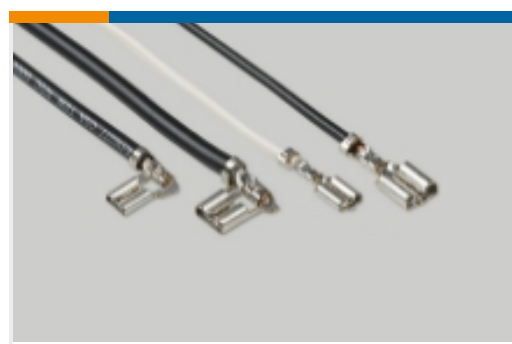
Also in the Series | **Positive Lock 312**



Crimp Terminal Housings(4)



Insertion &amp; Extraction Tools(1)



Quick Disconnects(7)

## Customers Also Bought

TE Part #1879074-9  
THS15 2R0 5%TE Part #2176053-9  
RLP73N 2A R11 1% 1K RLTE Part #1775441-7  
AMP HPI 1.5MM RECEPTACLE  
HOUSINGSTE Part #2106431-1  
Connector, SMT-IDC PASS THRU, 1  
POS, 18TE Part #2-2106431-3  
Connector, SMT-IDC PASS THRU, 3  
POS, 22TE Part #2106431-3  
Connector, SMT-IDC PASS THRU, 3  
POS, 18TE Part #1544114-2  
CLIP DRAPEAU 6,35

## Documents

### Product Drawings

PL 312 FLAG REC 20-14 0.32 X 24.9 PTPBR

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_172795-1\\_D.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_172795-1\\_D.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_172795-1\\_D.3d\\_stp.zip](#)

English

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



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### Product Specifications

#### Application Specification

Japanese

APPLICATION SPECIFICATION; CRIMPING "312" SERIES, POSITIVE LOCK FLAG RECEPTACLE CONTACT

Japanese

#### Application Specification

English

APPLICATION SPECIFICATION; CRIMPING "312" SERIES, POSITIVE LOCK FLAG RECEPTACLE CONTACT

English

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### Product Environmental Compliance

MD\_172795-1\_10212015120\_dmtec

English

MD\_172795-1\_10212015120\_dmtec

English

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### Instruction Sheets

Instruction Sheet (non U.S.)

Japanese