



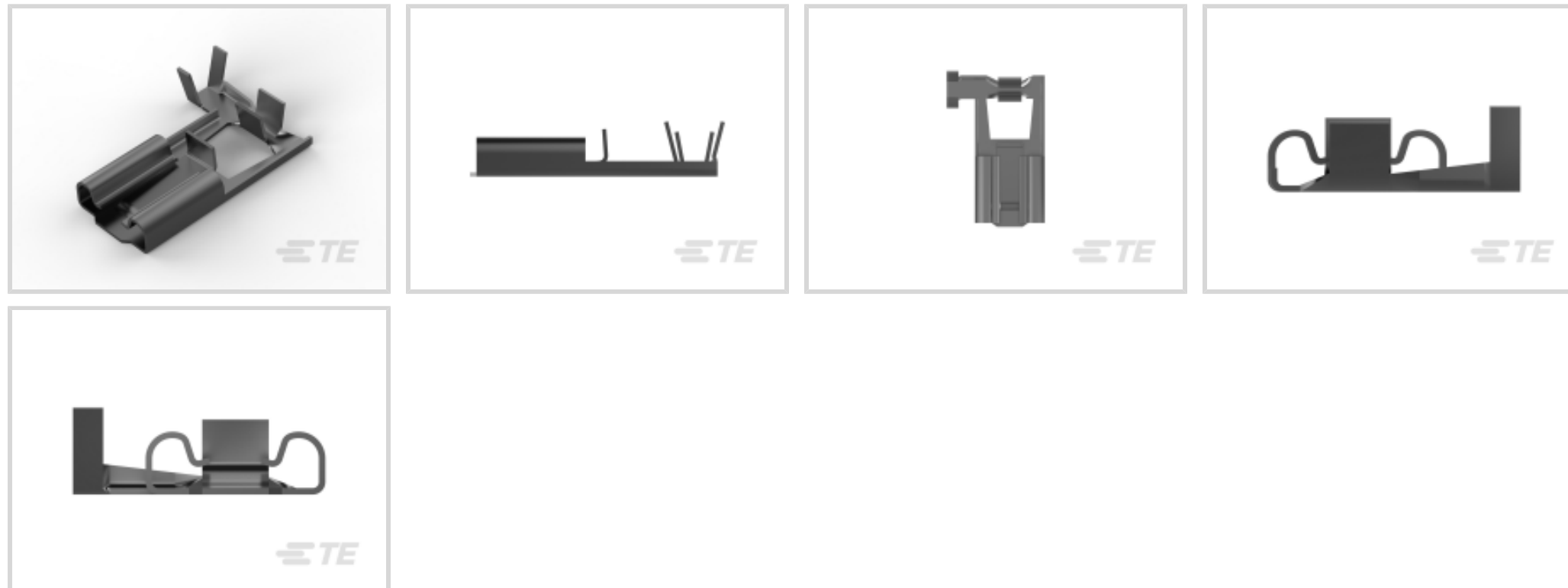
Positive Lock | Positive Lock 312

TE Part # 172796-1

TE Internal #: 172796-1

[View on TE.com >](#)

Terminals & Splices > Quick Disconnects



Terminal & Splice 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

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

### Configuration Features

Connection Capacity	Single
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### Body Features

Fully Insulated	No
Plating Material	Tin

### Contact Features

Terminal Type	Receptacle
Terminal & Splice Type	Receptacle
Terminal Orientation	Flag
Contact Base Material	Brass



Crimp Type	F-Crimp
Barrel Type	Open

### 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]
Overall Length	18.8 mm [.74 in]
Receptacle Terminal Stock Thickness	.33 mm [.013 in]
Wire Size	.51 – 2.08 mm <sup>2</sup>
Mating Tab Width	7.92 mm [.312 in]
Mating Tab Thickness	.81 mm [.032 in]

### Usage Conditions

Operating Temperature Range	-40 – 110 °C [-40 – 230 °F]
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### 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: JAN 2019 (197) Candidate List Declared Against: JAN 2019 (197)
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

### Compatible Parts



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



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



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



TE Part # 172615-2  
POSITIVE LOCK 312 HOUSING RECEPTACLE



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



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

Also in the Series | [Positive Lock 312](#)

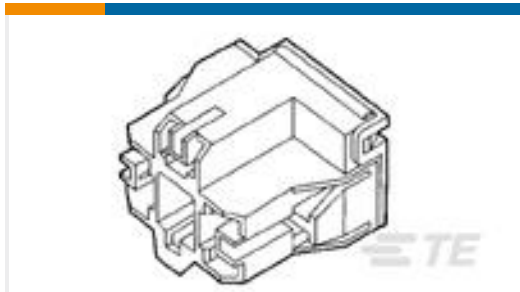


Crimp Terminal Housings  
(4)

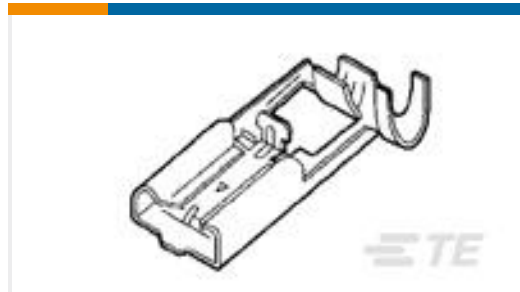


Quick Disconnects(5)

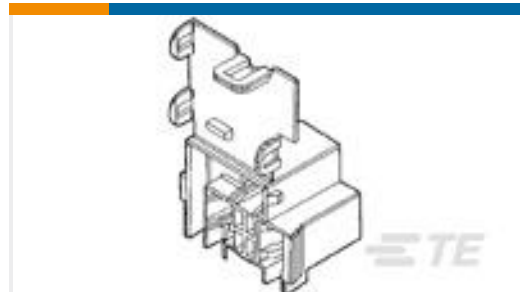
## Customers Also Bought



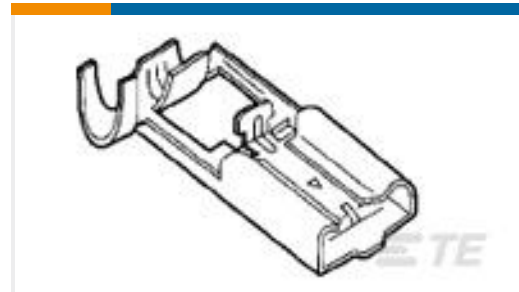
TE Part #172615-2  
POSITIVE LOCK 312  
HOUSING RECEPTACLE



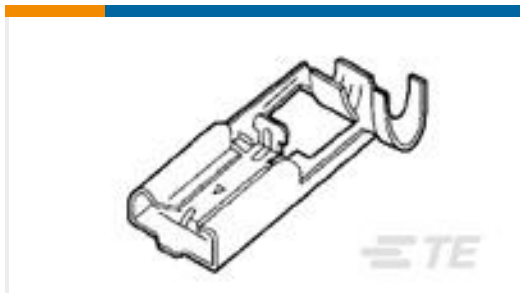
TE Part #172795-1  
PL 312 FLAG REC 20-14  
0.32 X 24.9 PTPBR



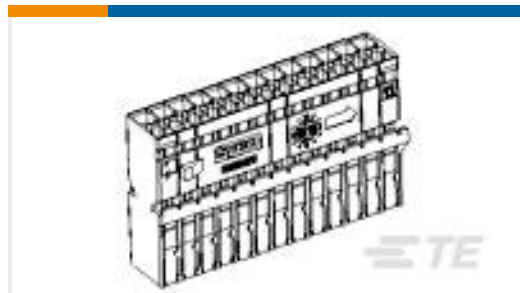
TE Part #353752-2  
HEAD LAMP  
CONNECTOR .312 (7.92  
MM)



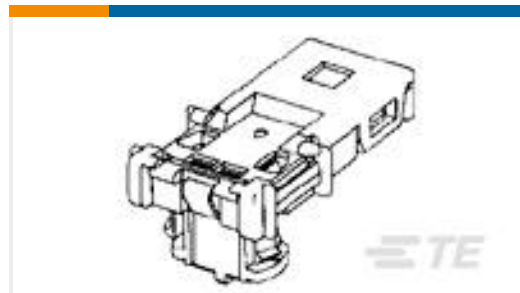
TE Part #900318-1  
PL 312 FLAG REC 20-  
18AWG 0.32X24.9 PTPBR



TE Part #900319-1  
PL 312 FLAG REC 20-  
18AWG 0.32X24.9 PTPBR



TE Part #1326042-1  
LAC CARRIER, 26 POS,  
0.64MM, A KEY



TE Part #1473139-1  
SQUIB 11DIA MK-2 PLUG  
HSG



TE Part #1612122-1  
SQUIB LOCKING BUTTON

## Documents

### Product Drawings

[PL 312 FLAG REC 20-14 0.32 X 24.9 PTPBR](#)

Japanese

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_172796-1\\_E.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_172796-1\\_E.2d\\_dxf.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_172796-1\\_E.3d\\_igs.zip](#)

English



### Product Specifications

#### Application Specification

English

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

Japanese

#### Application Specification

Japanese

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

English

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### Product Environmental Compliance

#### TE Material Declaration

English

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### Instruction Sheets

#### Instruction Sheet (non U.S.)

Japanese