



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

TE Part # 172795-1

TE Internal #: 172795-1

[View on TE.com >](#)

Terminals & Splices > Quick Disconnects



Terminal & Splice Type: **Receptacle**

Wire Size: .51 – 2.08 mm²

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 ²
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 # 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)



TE Part # 2-2836758-2
OCEAN_2.0_APPLICATOR-S-090F140FA

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

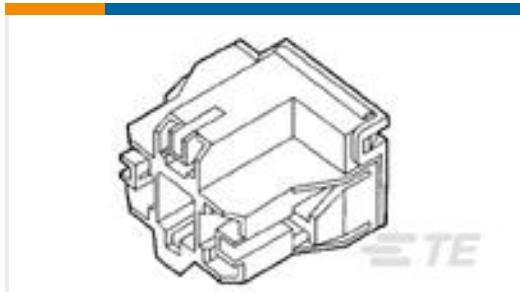


Crimp Terminal Housings
(4)

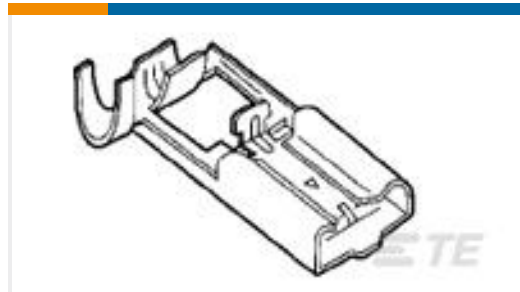


Quick Disconnects(5)

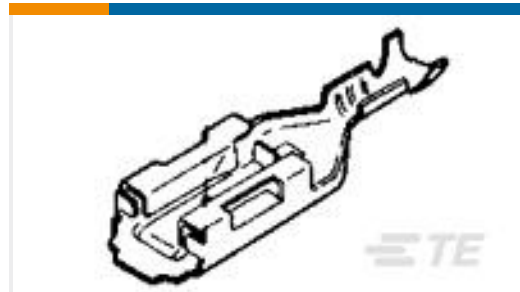
Customers Also Bought



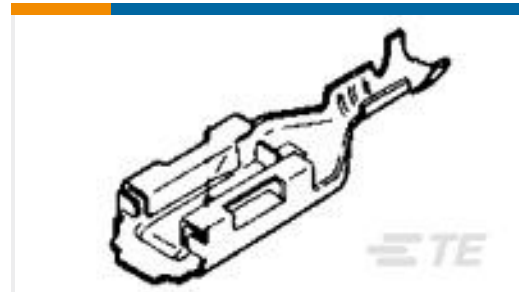
TE Part #172615-2
POSITIVE LOCK 312
HOUSING RECEPTACLE



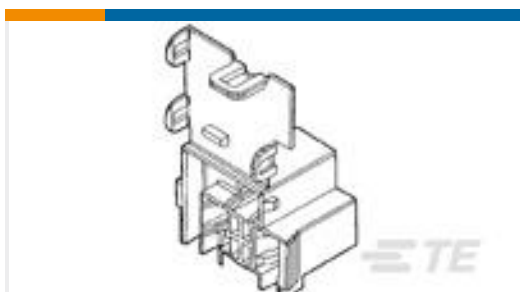
TE Part #172796-1
PL 312 FLAG REC 20-14
0.32 X 24.9 PTPBR



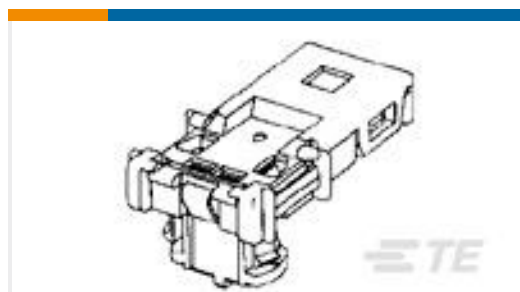
TE Part #170452-1
PL 250 AM REC 22-20
AWG 0.406 X 21 BR



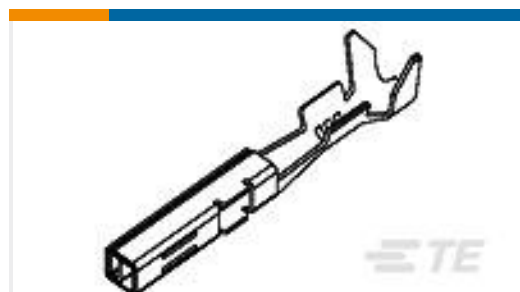
TE Part #170454-2
PL 250 AM REC 18-14 0.40
X 21 PRE-TPBR



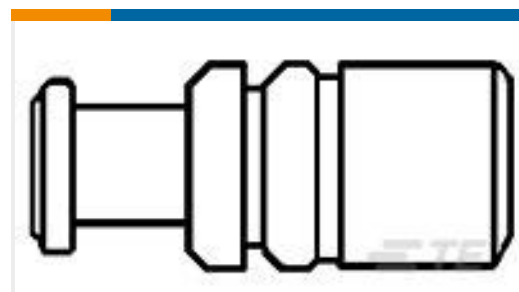
TE Part #353752-2
HEAD LAMP
CONNECTOR .312 (7.92
MM)



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



TE Part #900293-1
ABS .060 REC CONTACT



TE Part #316867-1
.060 RUBBER PLUG S
LIGHT GRAY

Documents

Product Drawings

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

English

CAD Files

Customer View Model

[ENG_CVM_172795-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_172795-1_A.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_172795-1_A.2d_dxf.zip](#)

English

3D PDF

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

Product Environmental Compliance

TE Material Declaration

English

Instruction Sheets

Instruction Sheet (non U.S.)

Japanese