

172795-1 ✓ ACTIVE



Positive Lock | Positive Lock 312

TE Internal #: 172795-1

Receptacle, 20 – 14 AWG Wire Size, .51 – 2.08 mm² 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 – 2.08 mm²**

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

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

Features

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 |

Dimensions

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|--------------------------------------|-------------------------------|
| Wire Size | .51 – 2.08 mm ² |
| Product Length | 18.8 mm[.74 in] |
| Compatible Insulation Diameter Range | 2.21 – 3.4 mm[.087 – .134 in] |
| Terminal Material Thickness | .33 mm[.013 in] |

Packaging Features

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| Packaging Method | Strip/Reel |
|------------------|------------|



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|--------------------|------|
| Packaging Quantity | 2000 |
|--------------------|------|

Product Type Features

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|-----------------|-----|
| Insertion Force | Low |
|-----------------|-----|

Usage Conditions

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|-------------------|-------------|
| Insulation Option | Uninsulated |
|-------------------|-------------|

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|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 110 °C[-40 – 230 °F] |
|-----------------------------|----------------------------|

Other

| | |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
|--------------------|-----------|

| | |
|-------------------|-----------|
| EU ELV Compliance | Compliant |
|-------------------|-----------|

Configuration Features

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|-----------------------------------|---------------|
| Compatible With Wire & Cable Type | Discrete Wire |
|-----------------------------------|---------------|

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|---------------------|--------|
| Connection Capacity | Single |
|---------------------|--------|

Termination Features

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|-----------------------|--------------|
| Product Terminates To | Wire & Cable |
|-----------------------|--------------|

Mechanical Attachment

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|-------------------------|------|
| Wire Insulation Support | With |
|-------------------------|------|

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|-----------------------|--------|
| Mating Retention Type | Dimple |
|-----------------------|--------|

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|------------------|---------------|
| Extraction Force | .7 – 10.2 kgf |
|------------------|---------------|

Industry Standards

| | |
|---|----|
| Compatible With Agency/Standards Products | UL |
|---|----|

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) Candidate List Declared Against: JUNE 2024 (241) 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)



TE Part # 2836758-2
OCEAN_2.0 APPLICATOR-S-090F140F-SSA

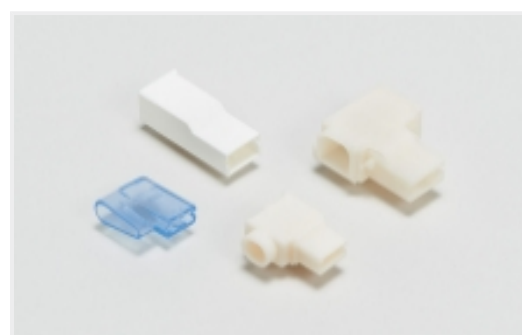


TE Part # 7-2836758-7
OCEAN_2.0 SPARE_PART_KIT-090F140F



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

Also in the Series | Positive Lock 312



Crimp Terminal Housings(2)



Insertion & Extraction Tools(1)



Quick Disconnects(5)

Customers Also Bought



TE Part #2213189-1
Assembly, IPI Connector 22-18GA w/o cap



TE Part #640416-2
BLADE TAB 250 18-14AWG TPBR



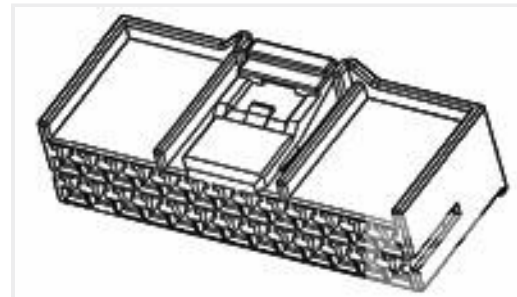
TE Part #2106431-1
Connector, SMT-IDC PASS THRU, 1 POS, 18



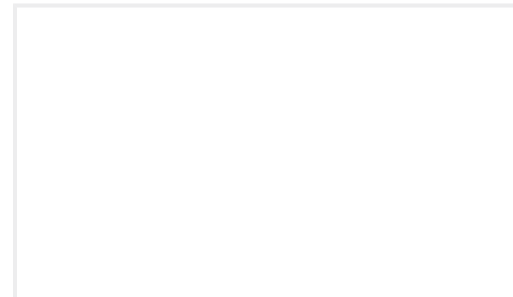
TE Part #2106431-3
Connector, SMT-IDC PASS THRU, 3 POS, 18



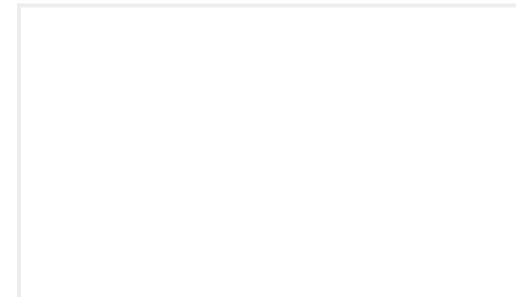
TE Part #2-967627-1
TAB HSG 2.8MM 12POS.



TE Part #936201-1
090III 16P PLUG ASSY



TE Part #1544114-2
CLIP DRAPEAU 6,35



TE Part #1010-008-0206
GROMMET, 2P, RED/ORG, N, DT

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.

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



Instruction Sheets

[Instruction Sheet \(non U.S.\)](#)

[Japanese](#)