

170456-1 ✓ ACTIVE

Positive Lock | Positive Lock 250

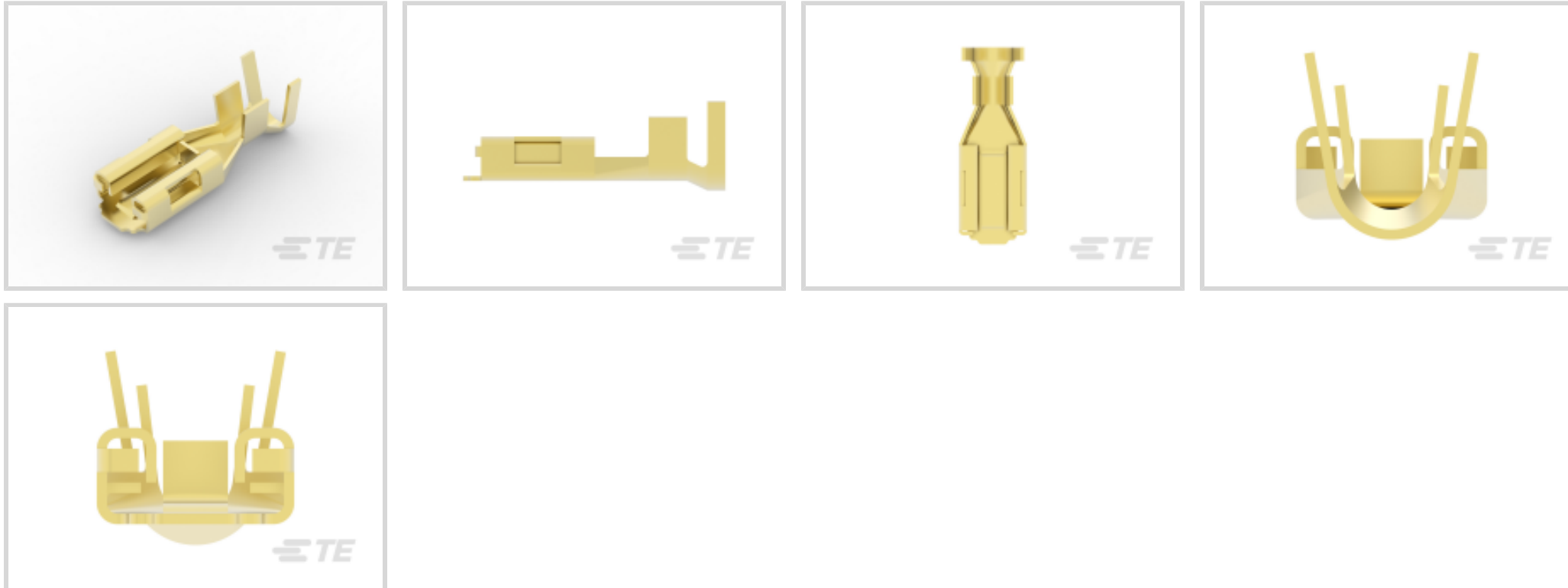
TE Internal #: 170456-1

Quick Disconnects, Receptacle, 12 – 10 AWG Wire Size, 3.31 – 5.26 mm² Wire Size, Mating Tab Width 6.35 mm [.25 in], Straight, Brass, Positive Lock 250

[View on TE.com >](#)



Terminals & Splices > Quick Disconnects



Quick Disconnect Terminal Type: **Receptacle**

Wire Size: **3.31 – 5.26 mm²**

Mating Tab Width: **6.35 mm [.25 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 | 6.35 mm [.25 in] |
| Mating Tab Thickness | .81 mm [.032 in] |
| Terminal Orientation | Straight |
| Contact Base Material | Brass |
| Terminal Plating Material | Unplated |
| Crimp Type | F-Crimp |
| Barrel Type | Open |

Termination Features

| | |
|--|--|
| | |
|--|--|



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

Mechanical Attachment

| | |
|------------------|-------------------|
| Extraction Force | 4.9 – 29.4 Newton |
|------------------|-------------------|

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

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

Dimensions

| | |
|-----------------------------|-----------------|
| Terminal Material Thickness | .41 mm[.016 in] |
|-----------------------------|-----------------|

| | |
|----------------|-----------------|
| Product Length | 22.8 mm[.89 in] |
|----------------|-----------------|

| | |
|--------------------------------------|---------------------------|
| Compatible Insulation Diameter Range | 3.6 – 5 mm[.14 – .197 in] |
|--------------------------------------|---------------------------|

| | |
|-----------|-----------------------------|
| Wire Size | 3.31 – 5.26 mm ² |
|-----------|-----------------------------|

Usage Conditions

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

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

Industry Standards

| | |
|-----------------|----|
| Agency/Standard | UL |
|-----------------|----|

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 3000 |
|--------------------|------|

| | |
|------------------|--------------------|
| Packaging Method | Loose Piece/Carton |
|------------------|--------------------|

Other

| | |
|-----------------------------|------------|
| Terminals & Splices Comment | Heavy Duty |
|-----------------------------|------------|

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 # 172320-1
POSITIVE LOCK 250 (6.3 MM)
HOUSING



TE Part # 172863-2
POSITIVE LOCK (PL) .250 (6.3 MM)



TE Part # 172320-2
POSITIVE LOCK 250 (6.3 MM)
HOUSING



TE Part # 174090-2
PL .250 (6.3 MM) HOUSING



TE Part # 724659-2
EXT TOOL FOR POSITIVE .250



TE Part # 172864-2
250 HSG. REC. 6mm 2P BLACK



TE Part # 172434-2
POSITIVE LOCK 250 (6.3 MM)
HOUSING



TE Part # 174090-1
1P POSITIVE LOCK HSG



TE Part # 172320-4
POSITIVE LOCK 1P GREEN



TE Part # 172433-2
250 AUTOMOTIVE POSITIVE LOCK 2P



TE Part # 172434-1
POSITIVE LOCK 250 (6.3 MM)
HOUSING



TE Part # 9-172320-2
POSIT LOCK HSG 1P BLACK VO94




TE Part # 2-2150582-2
OCEAN_2.0_Applicator-S-150F250F



TE Part # 2150582-2
OCEAN_2.0_Applicator-S-150F250F



TE Part # 2219341-1
250 TAB CONT FOR GLASS ANT




TE Part # 7-2150582-2
OCEAN_2.0_Applicator-S-150F250F



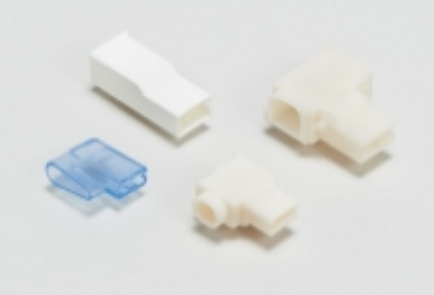
KIT
REPRESENTATION ONLY

TE Part # 7-2150582-7
OCEAN_2.0_SPARE_PART_KIT-150F250F


Also in the Series | Positive Lock 250



Automotive Terminals(1)




Crimp Terminal Housings(193)



Insertion & Extraction Tools(3)



Insulation Boots & Sleeves(4)



Quick Disconnects(186)

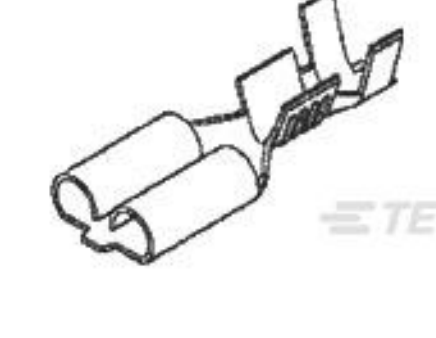
Customers Also Bought



TE Part #1473672-2
TH/.025 CONNECTOR SYSTEM,
HOUSING



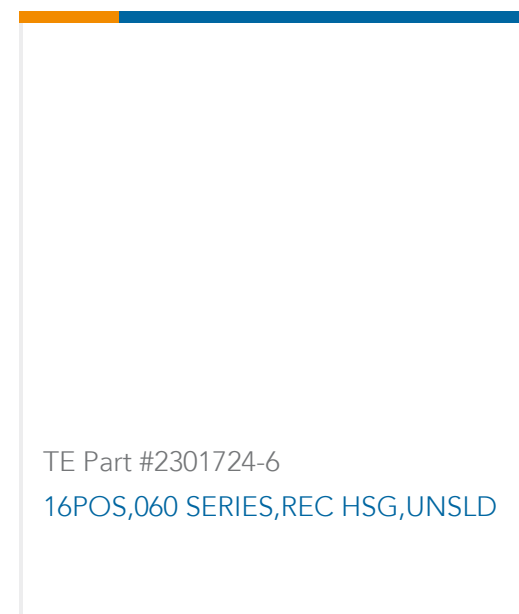
TE Part #172320-2
POSITIVE LOCK 250 (6.3 MM)
HOUSING



TE Part #170384-2
250 FASTON, REC., 22-20 AWG, TPBR



TE Part #316833-2
040 SEALED REC CONT S FORMING



Documents

Product Drawings

[PL 250 AUTOMOTIVE REC 12-10 0.40 X 21 BR](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_170456-1_R.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_170456-1_R.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_170456-1_R.3d_stp.zip](#)

English

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

Product Specifications

[Crimping of Positive Lock Receptacle Contact](#)

English

[Application Specification](#)

English

[Crimping of 250 Series, Automotive Positive Lock Receptacle Contact](#)

English

[Application Specification](#)

English

Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English

Instruction Sheets

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

170456-1

Quick Disconnects, Receptacle, 12 – 10 AWG Wire Size, 3.31 – 5.26 mm² Wire Size,
Mating Tab Width 6.35 mm [.25 in], Straight, Brass, Positive Lock 250



English

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

Japanese