

2178301-1 ✓ ACTIVE

FASTON | FASTON 250

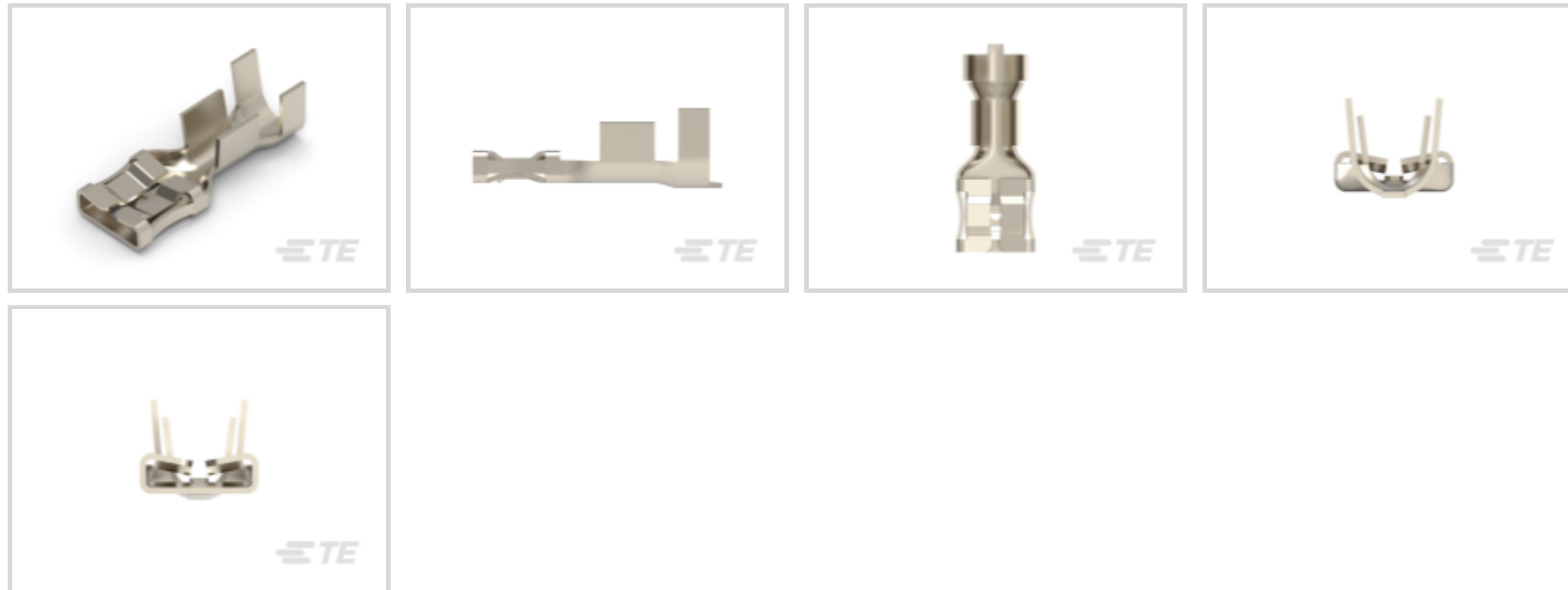
TE Internal #: 2178301-1

Quick Disconnects, Receptacle, 12 – 10 AWG Wire Size, 3.31 – 5.26 mm<sup>2</sup> Wire Size, Mating Tab Width .25 in [6.35 mm], Straight, Steel, FASTON 250

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Terminals & Splices > Quick Disconnects



Quick Disconnect Terminal Type: **Receptacle**

Wire Size: **3.31 – 5.26 mm<sup>2</sup>**

Mating Tab Width: **6.35 mm [ .25 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 |
|---------------------|--------|

### 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          | Steel            |
| Terminal Plating Material      | Pre-Nickel       |
| Crimp Type                     | F-Crimp          |



|             |      |
|-------------|------|
| Barrel Type | Open |
|-------------|------|

### Mechanical Attachment

|                         |           |
|-------------------------|-----------|
| Mating Retention Type   | Dimple    |
| Extraction Force        | 40 Newton |
| Wire Insulation Support | With      |

### Dimensions

|                                        |                             |
|----------------------------------------|-----------------------------|
| Accepts Wire Insulation Diameter Range | 3.6 – 5 mm [.141 – .197 in] |
| Receptacle Terminal Stock Thickness    | .41 mm [.016 in]            |
| Overall Length                         | 19 mm [.748 in]             |
| Wire Size                              | 3.31 – 5.26 mm <sup>2</sup> |

### Usage Conditions

|                             |                             |
|-----------------------------|-----------------------------|
| Insulation Option           | Uninsulated                 |
| Operating Temperature Range | -40 – 250 °C [-40 – 482 °F] |

### Industry Standards

|           |        |
|-----------|--------|
| UL Rating | Listed |
|-----------|--------|

### Packaging Features

|                    |            |
|--------------------|------------|
| Packaging Quantity | 5000       |
| Packaging Method   | Strip/Reel |

### Other

|         |                     |
|---------|---------------------|
| Comment | With locking lance. |
|---------|---------------------|

### 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)<br>Candidate List Declared Against: JAN 2022 (223)<br>SVHC > Threshold:<br>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 reviewed 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 # 2-2150338-1  
OCEAN\_2.0\_Applicator-E-140F220F



TE Part # 2-2150338-2  
OCEAN\_2.0\_Applicator-E-140F220F



TE Part # 2150338-1  
OCEAN\_2.0\_Applicator-E-140F220F



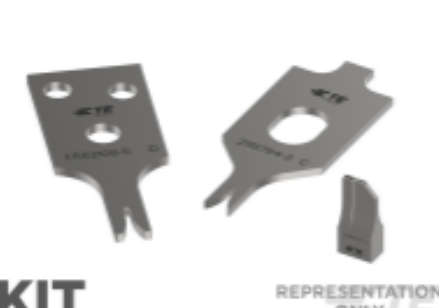
TE Part # 2150338-2  
OCEAN\_2.0\_Applicator-E-140F220F



TE Part # 7-2150338-1  
OCEAN\_2.0\_Applicator-E-140F220F




TE Part # 7-2150338-2  
OCEAN\_2.0\_Applicator-E-140F220F

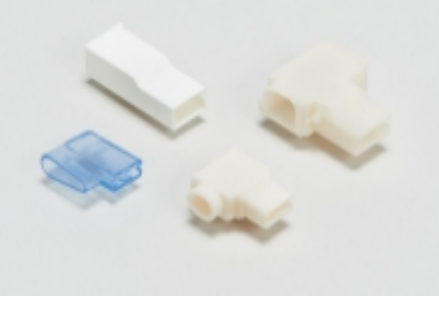


TE Part # 7-2150338-7  
OCEAN\_2.0\_SPARE\_PART\_KIT-170F220F


### Also in the Series | FASTON 250



Compression Connectors(4)



Crimp Terminal Housings(143)



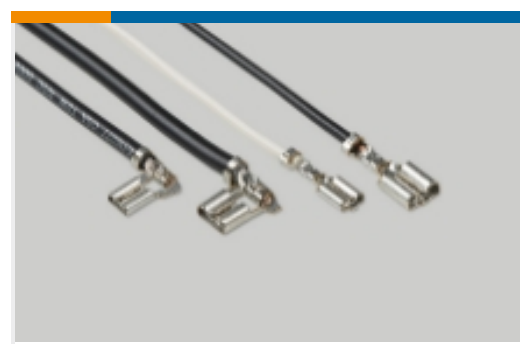
Insertion & Extraction Tools(6)



Magnet Wire Terminals(1)



PCB Terminals(144)

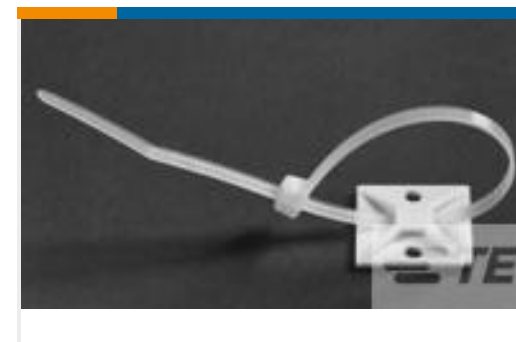
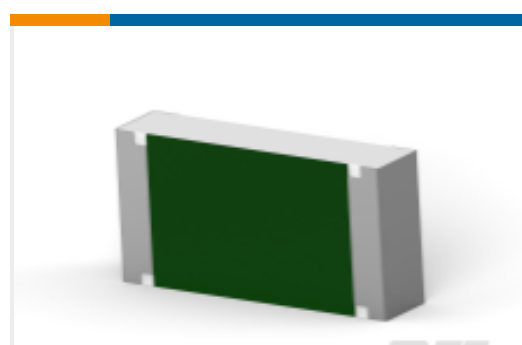
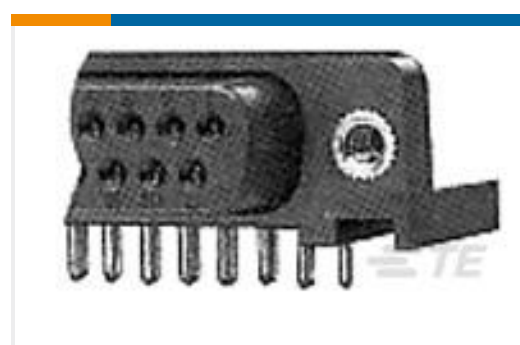


Quick Disconnects(456)



Splices(4)

## Customers Also Bought

TE Part #2834082-2  
5.0MM SIDE ENTRY MSC 3P\_GYTE Part #63698-1  
FASTON .187 (4.75 MM) ADAPTER  
TPBRTE Part #1658012-3  
MSB0.80RC-ASY120FL,-,10,-TYTE Part #608803-1  
CABLE TIE MOUNT, 4-WAY,1-1/8"TE Part #2176397-6  
3502 1R6 1%TE Part #5748901-1  
AMP III RCPT 25P RA 318 THD INTE Part #2-5178238-8  
CHAMP.050 REC ASS'Y 68P PB-FREE

## Documents

### Product Drawings

250 FASTON,F-SPR REC.,20-18 AWG,PNST

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2178301-1\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2178301-1\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2178301-1\\_B.3d\\_stp.zip](#)

English

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



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### Datasheets & Catalog Pages

[F-spring Contact FASTON Terminal Flyer](#)

English

[White Paper - Improving Connector Reliability and Safety - F-Spring Contact FASTON Terminal](#)

English

[Data sheet\\_2178301-1](#)

English

[White Paper - Improving Connector Reliability and Safety - F-Spring Contact FASTON Terminal](#)

English

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### Product Specifications

[PRODUCT SPECIFICATION](#)

English

[Crimping for Faston steel Nickel plated product](#)

English