

173690-1 ✓ ACTIVE

[Positive Lock](#) | [Positive Lock 187](#)

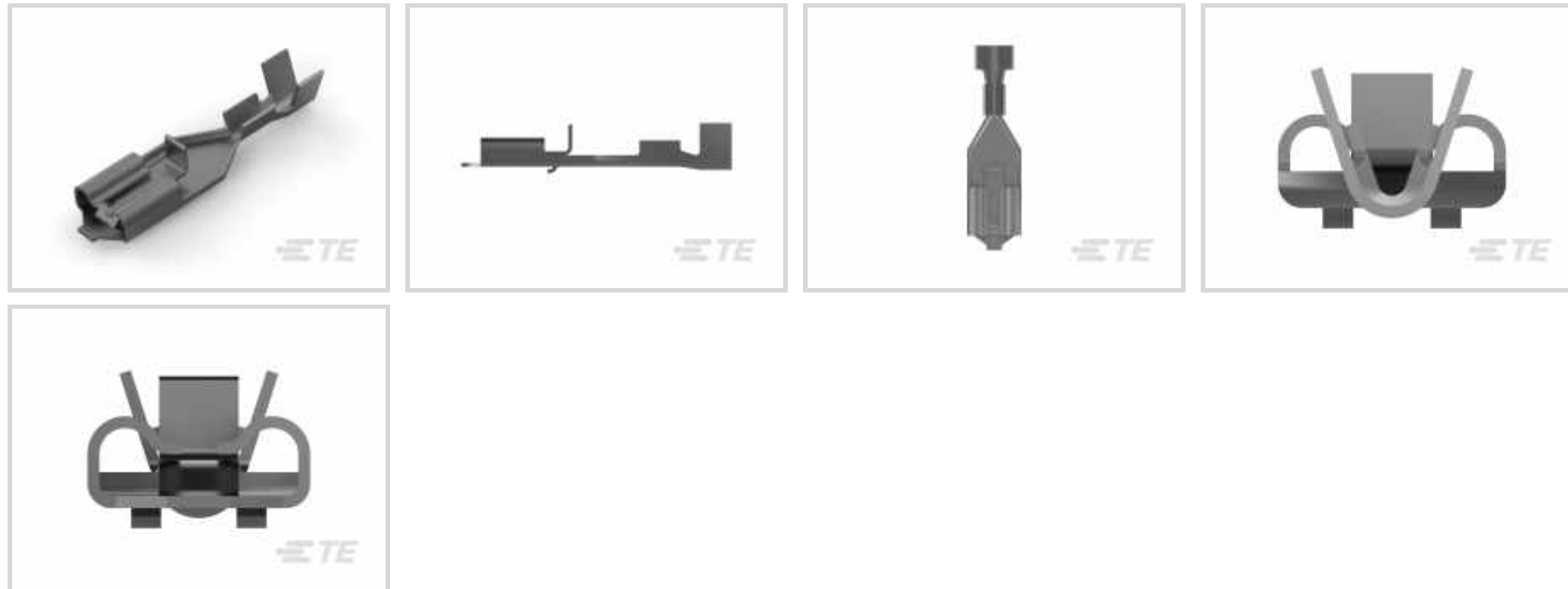
TE Internal #: 173690-1

Positive Lock 187, Quick Disconnects, Receptacle, 24 – 20 AWG, .2 – .51 mm<sup>2</sup>, Mating Tab Width 4.75 mm [.187 in], Mating Tab Thickness .81 mm [.032 in]

[View on TE.com >](#)



Terminals & Splices > Quick Disconnects



Terminal & Splice Type: **Receptacle**

Wire Size: .2 – .51 mm<sup>2</sup>

Mating Tab Width: 4.75 mm [.187 in]

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

## Features

### Product Type Features

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

### Body Features

Fully Insulated	No
Plating Material	Pre-Tin

### Contact Features

Terminal Type	Receptacle
Terminal & Splice Type	Receptacle
Terminal Orientation	Straight
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	1.5 – 2.7 mm [.059 – .106 in]
Overall Length	21.6 mm [.85 in]
Receptacle Terminal Stock Thickness	.3 mm [.012 in]
Wire Size	.2 – .51 mm <sup>2</sup>
Mating Tab Width	4.75 mm [.187 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	8000
Packaging Method	Strip/Reel

### 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 2020 (205) Candidate List Declared Against: JUL 2019 (201) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JUL 2019 (201)
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 Model / Part # 2150059-2  
OCEAN\_2.0\_APPLICATOR-E-062F130F



TE Model / Part # 7-2150059-7  
OCEAN\_2.0\_SPARE\_PART\_KIT-062F130F



TE Model / Part # 284106-2  
5P.MODULAR CONN.MICRO RELAY W.



TE Model / Part # 2-2150059-2  
OCEAN\_2.0\_APPLICATOR-E-062F130F



TE Model / Part # 2-2150478-2  
OCEAN\_2.0\_Applicator-E-062F100OVA



TE Model / Part # 2150478-2  
OCEAN\_2.0\_Applicator-E-062F100OVA



TE Model / Part # 7-2150478-7  
OCEAN\_2.0\_SPARE\_PART\_KIT-062F100OV

Also in the Series | [Positive Lock 187](#)



Crimp Terminal Housings(89)

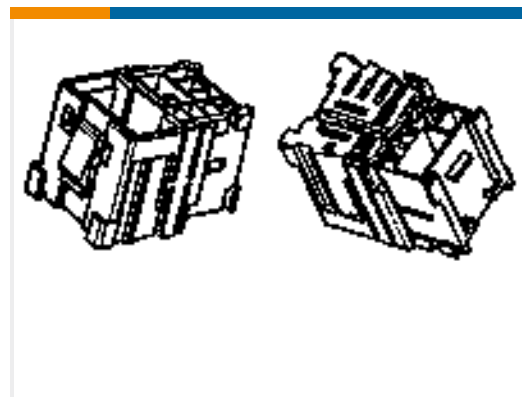


Insulation Boots &amp; Sleeves(9)



Quick Disconnects(54)

## Customers Also Bought

TE Model / Part #284106-2  
5P. MODULAR CONN. MICRO RELAY  
W.TE Model / Part #1379918-1  
COVER FOR 20W TAB HSGTE Model / Part #284443-5  
COVER + LEVER FOR 12 POS MOSTE Model / Part #284321-1  
12 POS. MOS SHELL FOR STEERINGTE Model / Part #347681-1  
0.35MM CABLE SEAL LC SILIC

## Documents

### Product Drawings

PL 187 TERMINAL 24-20 AWG 0.3 X 14.0

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_173690-1\\_O.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_173690-1\\_O.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_173690-1\\_O.3d\\_stp.zip](#)

English

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**Product Specifications**

**Application Specification**

Japanese

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**Product Environmental Compliance**

**TE Material Declaration**

English