



Positive Lock | Positive Lock 187

TE Internal #: 170332-1

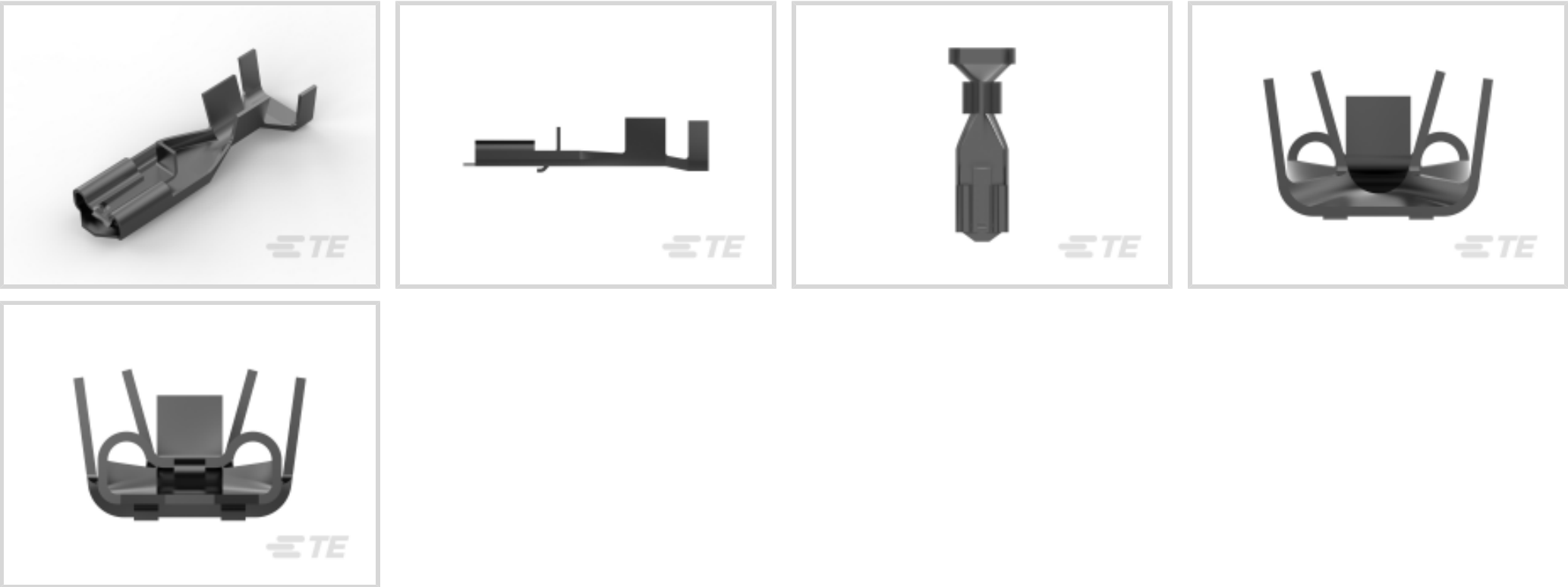
Positive Lock 187, Quick Disconnects, Receptacle, 18 – 14AWG

Wire Size, .82 – 2.08mm² Wire Size, Quick Disconnect Mating Tab

Width 4.75 mm [.187 in]

[View on TE.com >](#)

Terminals & Splices > Quick Disconnects



Terminal & Splice Type: **Receptacle**

Wire Size: **.82 – 2.08 mm²**

Quick Disconnect Mating Tab Width: **4.75 mm [.187 in]**

Quick Disconnect Mating Tab Thickness: **.51 mm [.02 in]**

Features

Product Type Features

Wire Stop	No
Wire/Cable Type	Discrete Wire
Terminates To	Wire & Cable
Quick Disconnect Insertion Force	Normal
Insulated	No

Body Features

Fully Insulated	No
Quick Disconnect Plating Material	Pre-Tin

Contact Features

Terminal Type	Receptacle
Terminal & Splice Type	Receptacle
Quick Disconnect 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	2.1 – 3.6 mm[.082 – .141 in]
Overall Length	21.6 mm[.85 in]
Receptacle Terminal Stock Thickness	.3 mm[.012 in]
Wire Size	.82 – 2.08 mm²
Quick Disconnect Mating Tab Width	4.75 mm[.187 in]
Quick Disconnect Mating Tab Thickness	.51 mm[.02 in]

Usage Conditions

Insulation Requirement	Uninsulated
Operating Temperature Range	-40 – 110 °C[-40 – 230 °F]

Industry Standards

UL Rating	Recognized
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Packaging Features

Packaging Quantity	1000
Quick Disconnect Packaging Method	Loose Piece/Carton

Other

Comment	External Diameter of a wire 1.6-3.1mm.
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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 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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 # 724659-1 EXT TOOL FOR POSITIVE .187	TE Part # 172075-1 POSITIVE LOCK 187 HOUSING RECEPTACLE	TE Part # 1-172075-1 3 POS PL 187(4.8 MM) HOUSING NATURAL	TE Part # 173974-6 PL MKII 187 REC HSG 1P NYLON BLUE
TE Part # 174513-1 PL 187 HOUSING RECEPTACLE	TE Part # 176498-1 POSITIVE LOCK 187 (4.8 MM) HOUSING	TE Part # 1-174712-1 187 HSG. PL MKII REC. 6.65mm 2P NAT	TE Part # 174712-1 PL 187 (4.8 MM) HOUSING RECEPTACLE
TE Part # 172074-1 187 HSG. PLMKII REC. NAT	TE Part # 173974-1 187 HSG. PL MKII REC. NAT	TE Part # 176498-4 POSITIVE LOCK 187 (4.8 MM) HOUSING	TE Part # 179183-6 POSITIVE LOCK 187 (4.8 MM) HOUSING

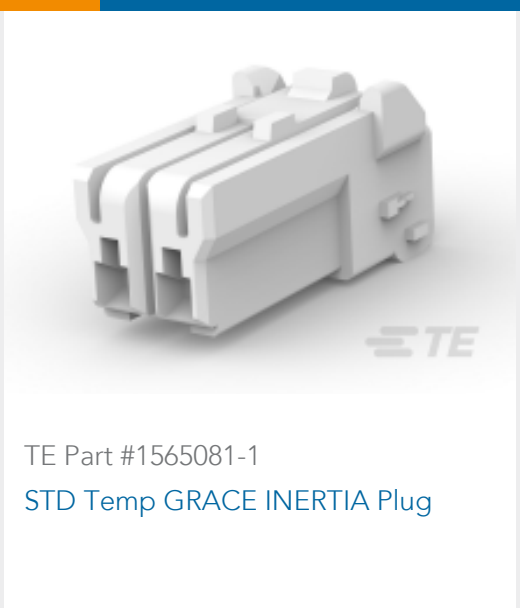
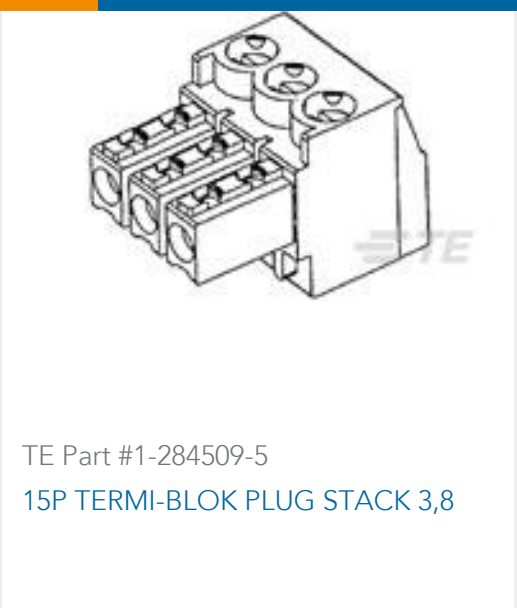


 TE Part # 175578-1 PL 187 HOUSING RECEPTACLE	 TE Part # 176498-6 PL MKII 187 REC HSG 2P NYLON BLUE	 TE Part # 172074-2 POSITIVE LOCK 187 HOUSING RECEPTACLE	 TE Part # 1-172210-1 187 HSG. PL MKII REC. 6mm 2P NAT
 TE Part # 172210-1 POSITIVE LOCK 250 HOUSING RECEPTACLE	 TE Part # 1-174587-1 PL MK2 2P 187 HOUSING RECEPTACLE NAT	 TE Part # 173974-2 PL 187 (4.8 MM) HOUSING RECEPTACLE	 TE Part # 173974-7 PL 187 (4.8 MM) HOUSING RECEPTACLE

Also in the Series | Positive Lock 187

 Crimp Terminal Housings(87)	 Insertion & Extraction Tools(2)	 Insulation Boots & Sleeves(9)	 Quick Disconnects(56)
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Customers Also Bought

 TE Part #1-178288-5 DYNAMIC 3100 REC AND TAB HSG	 TE Part #170038-2 187 FASTON,REC.,20-16 AWG,TPBR	 TE Part #1565081-1 STD Temp GRACE INERTIA Plug	 TE Part #1-284509-5 15P TERMI-BLOK PLUG STACK 3,8
 TE Part #1-917807-2 DYNAMIC 5000 REC AND TAB HSG	 TE Part #1-170823-5 250 FASTON SLEEVE,REC., TRANSPARENT	 TE Part #1-171432-2 FF 312 REC HSG 6P NYLON RED	 TE Part #NB20394001 VERSAFIT-3/16-9-SP



Documents

Product Drawings

PL 187 RECEPTACLE 18-14 AWG PTPBR

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_170332-1_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_170332-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_170332-1_C.3d_stp.zip

English

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Datasheets & Catalog Pages

1654742_HOUSEHOLD_APPLIANCES_RAST5

English

Product Specifications

Application Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English