



Positive Lock | Positive Lock 187

TE Internal #: 170330-2

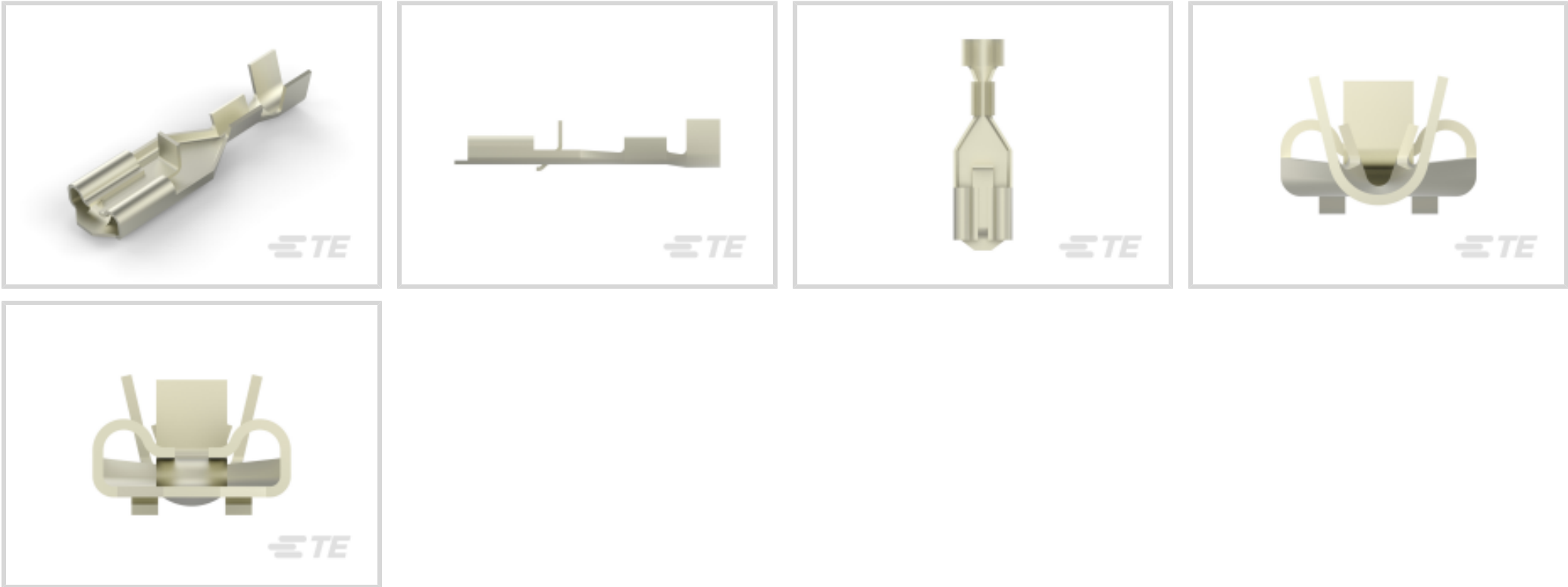
Positive Lock 187, Quick Disconnects, Receptacle, 24 – 20AWG

Wire Size, .2 – .51mm² 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: **.2 – .51 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	Regular Wire
Terminates To	Wire & Cable
Quick Disconnect Insertion Force	Low
Sealable	No
Insulated	No

Configuration Features

Connection Capacity	Single
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Body Features

Fully Insulated	No
Quick Disconnect Plating Material	Nickel

Contact Features

Terminal Type	Receptacle
Terminal & Splice Type	Receptacle



Quick Disconnect Terminal Orientation	Straight
Contact Base Material	Phosphor Bronze
Crimp Type	F-Crimp
Barrel Type	Open

Mechanical Attachment

Mating Retention Type	Dimple
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 ²
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	500
Quick Disconnect Packaging Method	Loose Piece/Carton

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

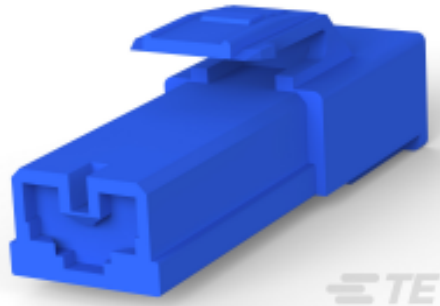
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 169994-1 POS.LOCK H.T.4,8



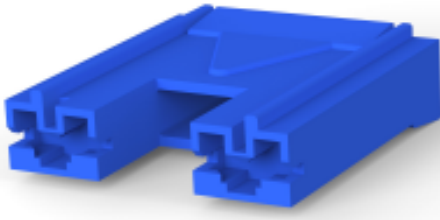
TE Part # 2063760-1
CCII 187 POSITIVE LOCK REC 24-20 ASSY



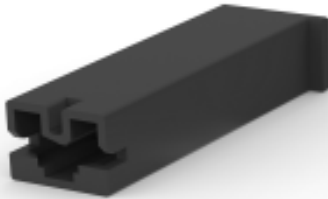
TE Part # 179183-6
POSITIVE LOCK 187 (4.8 MM) HOUSING



TE Part # 175578-1
PL 187 HOUSING RECEPTACLE



TE Part # 176498-6
PL MKII 187 REC HSG 2P NYLON BLUE



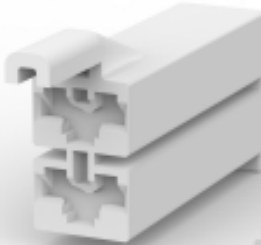
TE Part # 172074-2
POSITIVE LOCK 187 HOUSING RECEPTACLE



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

Also in the Series | Positive Lock 187



Crimp Terminal Housings(87)



Insertion & Extraction Tools(2)



Insulation Boots & Sleeves(9)

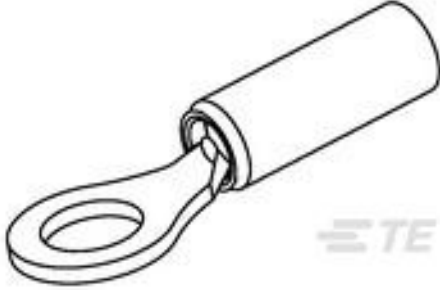


Quick Disconnects(56)

Customers Also Bought



TE Part #1577625-1
TERMINAL RT PIDG PEEK STRATO 20 AWG



TE Part #1577623-1
TERMINAL, PEEK PIDG STRATO, 20AWG



TE Part #1577647-1
TERMINAL RT PIDG PEEK STRATO 10 AWG



TE Part #1577622-1
TERMINAL, PEEK PIDG STRATO, 20AWG



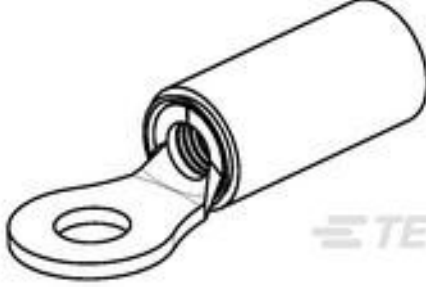
TE Part #1577648-1
TERMINAL RT PIDG PEEK STRATO 10 AWG



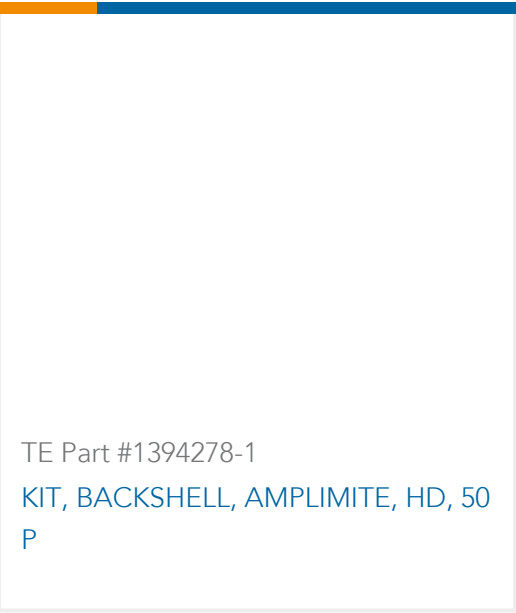
TE Part #1577632-1
TERMINAL RT PIDG PEEK STRATO 18-16 AWG



TE Part #1577633-1
TERMINAL RT PIDG PEEK STRATO 18-16 AWG



TE Part #1577646-1
TERMINAL RT PIDG PEEK STRATO 10 AWG



Documents

Product Drawings

[PL 187 RECEPTACLE 24-20 AWG NPPHBZ](#)

Japanese

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_170330-2_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_170330-2_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_170330-2_C.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English