



Positive Lock | Positive Lock 187

TE Internal #: 173724-1

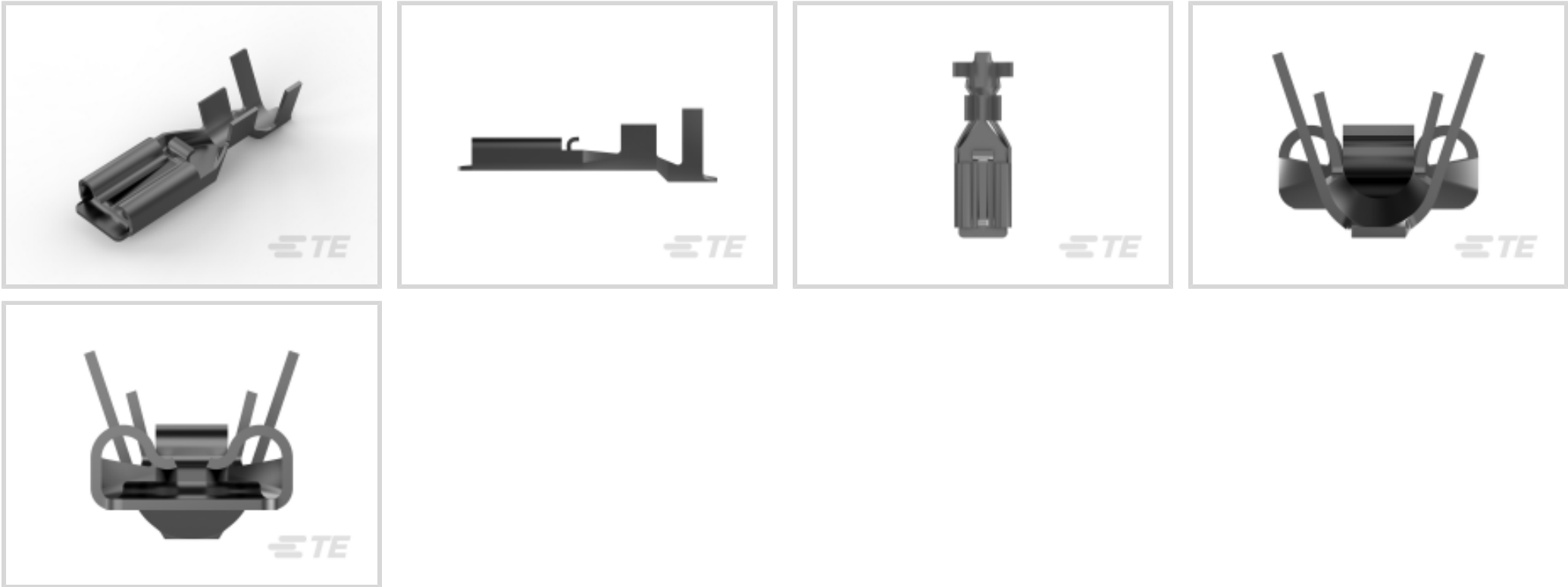
Positive Lock 187, Quick Disconnects, Receptacle, 20 – 14AWG

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

Configuration Features

Connection Capacity	Single
---------------------	--------

Electrical Characteristics

Voltage (Max)	250 V
---------------	-------

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

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

Dimensions

Accepts Wire Insulation Diameter Range	1.9 – 4.4 mm[.074 – .173 in]
Overall Length	17.2 mm[.677 in]
Receptacle Terminal Stock Thickness	.3 mm[.012 in]
Wire Size	.51 – 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]

Packaging Features

Packaging Quantity	6000
Quick Disconnect 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 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



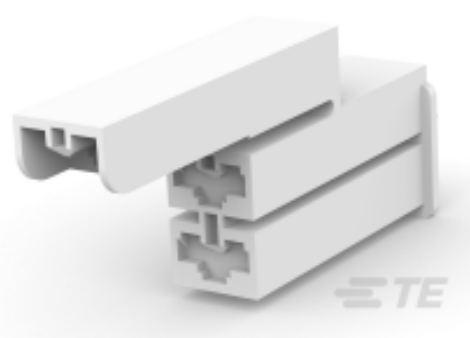
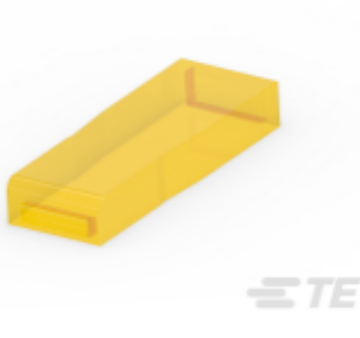
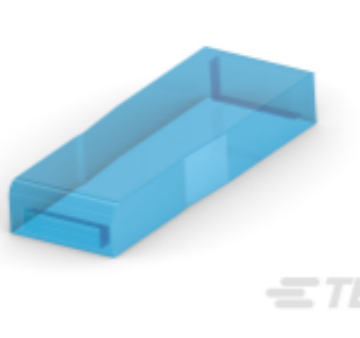
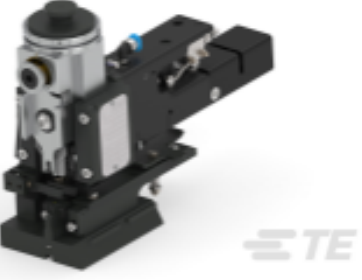
Solder Process Capability

Not applicable for solder process capability

Product Compliance Disclaimer

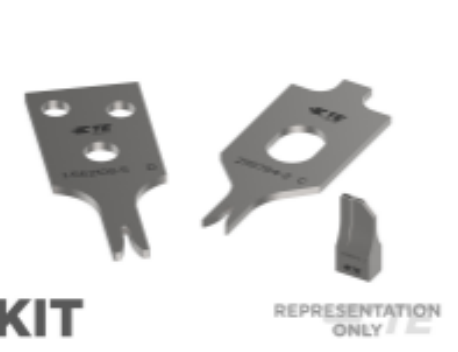
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1-172075-1 3 POS PL 187(4.8 MM) HOUSING NATURAL	 TE Part # 2232342-1 187 PL EX FLAG REC. 22-16AWG PTBR	 TE Part # 174737-2 187 sleeve PL YELLOW transparent	 TE Part # 174737-1 187 sleeve PL BLUE transparent
 TE Part # 2013799-1 250 HSG. PL EX REC. BLACK	 TE Part # 1743058-1 PL 187 REC 22-16 AWG 0.3 X 22.8 PTBR	 TE Part # 1743221-1 250 PL EX FLAG REC. 18-12AWG PTBR	 TE Part # 2-2150058-1 OCEAN_2.0_APPLICATOR-E-110F200F
 TE Part # 2-2150058-2 OCEAN_2.0_APPLICATOR-E-110F200FA	 TE Part # 2150058-1 OCEAN_2.0_APPLICATOR-E-110F200F	 TE Part # 2150058-2 OCEAN_2.0_APPLICATOR-E-110F200FA	 TE Part # 7-2150058-1 OCEAN_2.0_APPLICATOR-E-110F200F



TE Part # 7-2150058-2
OCEAN_2.0_APPLICATOR-E-110F200FA



TE Part # 7-2150058-7
OCEAN_2.0_SPARE_PART_KIT-110F200F

Also in the Series | Positive Lock 187



Crimp Terminal Housings(87)



Insertion & Extraction Tools(2)



Insulation Boots & Sleeves(9)



Quick Disconnects(56)

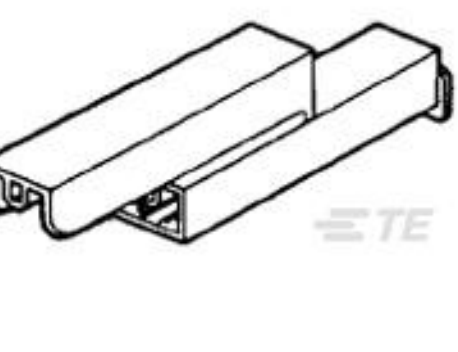
Customers Also Bought



TE Part #1376393-1
STD Temp Power Key Plug



TE Part #917700-1
Signal Double Lock TPA



TE Part #1-174712-1
187 HSG. PL MKII REC. 6.65mm 2P NAT



TE Part #173974-1
187 HSG. PL MKII REC. NAT



TE Part #173722-1
187 PL EX REC. 26-20AWG PTBR



TE Part #170324-1
187 PL MKII REC. 24-20AWG PTBR



TE Part #1-456134-2
CRIMPER, INSULATION "F"(.155")



TE Part #1376477-4
2.5MM PITCH SIGNAL MATE CONN



TE Part #1-1762942-6
WIRE CRIMPER, END FEED



TE Part #1744492-3
EP II Housing 03P, Red



Documents

Product Drawings

187 PL EX REC. 20-14AWG PTBR

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_173724-1_W.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_173724-1_W.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_173724-1_W.3d_stp.zip

English

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

Product Specifications

Application Specification

English

Product Environmental Compliance

MD_173724-1_11122018846_dmtec

English

MD_173724-1_11122018846_dmtec

English

Instruction Sheets

Instruction Sheet (non U.S.)

English

POSITIVE LOCK EX CONTACT

English

Agency Approvals

UL

English