170381-1 ✔ ACTIVE

Positive Lock | Positive Lock 312

TE Internal #: 170381-1

Receptacle, 20 – 14 AWG Wire Size, .51 – 2.08 mm² Wire Size, Mating Tab Width 7.92 mm [.312 in], Straight, Brass, Positive Lock 312, Quick Disconnects

View on TE.com >

Terminals & Splices > Quick Disconnects







Quick Disconnect Terminal Type: **Receptacle**

Wire Size: **.51 – 2.08 mm²**

Mating Tab Width: **7.92 mm [.312 in]**

Mating Tab Thickness: **.76 mm [.03 in]**

Features

Contact Features

Quick Disconnect Terminal Type	Receptacle
Mating Tab Width	7.92 mm[.312 in]
Mating Tab Thickness	.76 mm[.03 in]
Terminal Orientation	Straight
Contact Base Material	Brass
Terminal Plating Material	Tin
Crimp Type	F-Crimp
Barrel Type	Open

Dimensions

Wire Size	.51 – 2.08 mm²
Product Length	22.5 mm[.886 in]
Compatible Insulation Diameter Range	2.21 – 3.4 mm[.087 – .134 in]
Terminal Material Thickness	.33 mm[.013 in]

Packaging Features

Packaging Method	Strip/Reel

Packaging Quantity	15000

Product Type Features

Insertion Force	Normal

Usage Conditions

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

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Configuration Features

Compatible With Wire & Cable Type	Discrete Wire
Connection Capacity	Single

Termination Features

Product Terminates To	Wire & Cable

Mechanical Attachment

Wire Insulation Support	With
Mating Retention Type	Dimple
Extraction Force	.7 – 10.2 kgf

Industry Standards

Compatible With Agency/Standards Products	UL

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

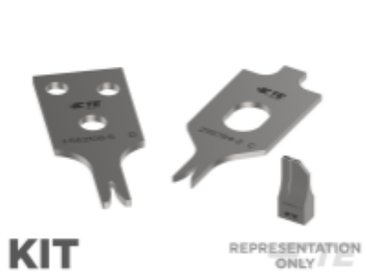
Product Compliance Disclaimer

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



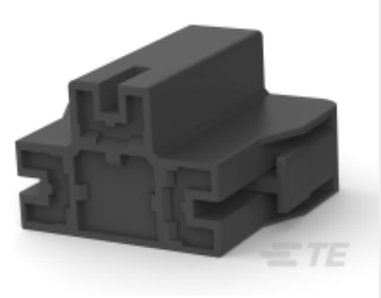
TE Part # 2150826-2
OCEAN_2.0_Applicator-E-090F130F-REA



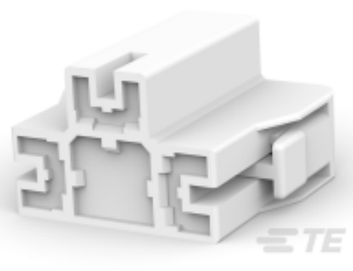
TE Part # 7-2150826-7
OCEAN_2.0_SPARE_PART_KIT-090F130F



TE Part # 724719-1
EXT.TOOL FOR SHIELD BEAM

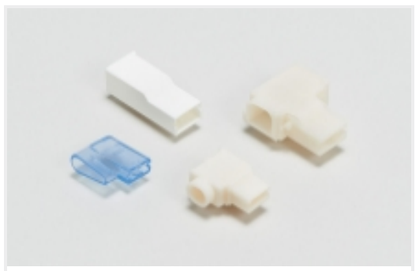


TE Part # 172236-2
POSITIVE LOCK 312 HOUSING



TE Part # 172236-1
POSITIVE LOCK 312 HOUSING

Also in the Series | Positive Lock 312



Crimp Terminal Housings(2)

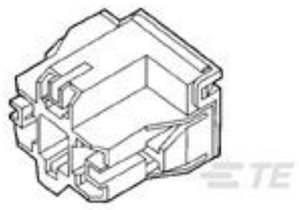


Insertion & Extraction Tools(1)

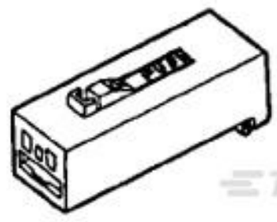


Quick Disconnects(5)

Customers Also Bought



TE Part #172615-2
POSITIVE LOCK 312 HOUSING RECEPTACLE



TE Part #174090-2
PL .250 (6.3 MM) HOUSING



TE Part #34892
TERMINAL,BUDG R 12-10 6



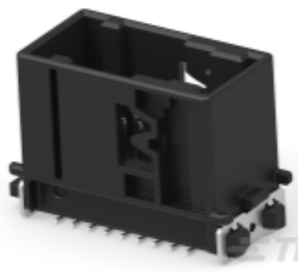
TE Part #2098835-1
20P HYBRID HEADER ASSEMBLY KEY



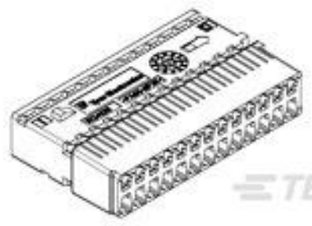
TE Part #590760-000
ES-CAP-HW-NO.3-0-45MM-ST



TE Part #3-643818-5
05P MTA156 CONN ASSY 20AWG YEL



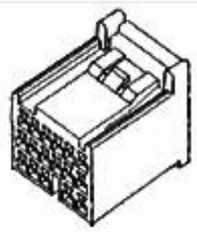
TE Part #1438543-1
18P SMT LAC HDR ASY KEY CF,BLK



TE Part #1924136-2
Carrier, 26P Generation Y, 52P Conn



TE Part #1927688-3
ASSY, 1X6,GET RA HDR, KEY C



TE Part #353031-1
040 H/D-3 PLUG HSG ASSY 31P

Documents

Product Drawings

PL .312 REC AV 0.5-2 MM2 PRE-TPBR

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_170381-1_J.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_170381-1_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_170381-1_J.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