



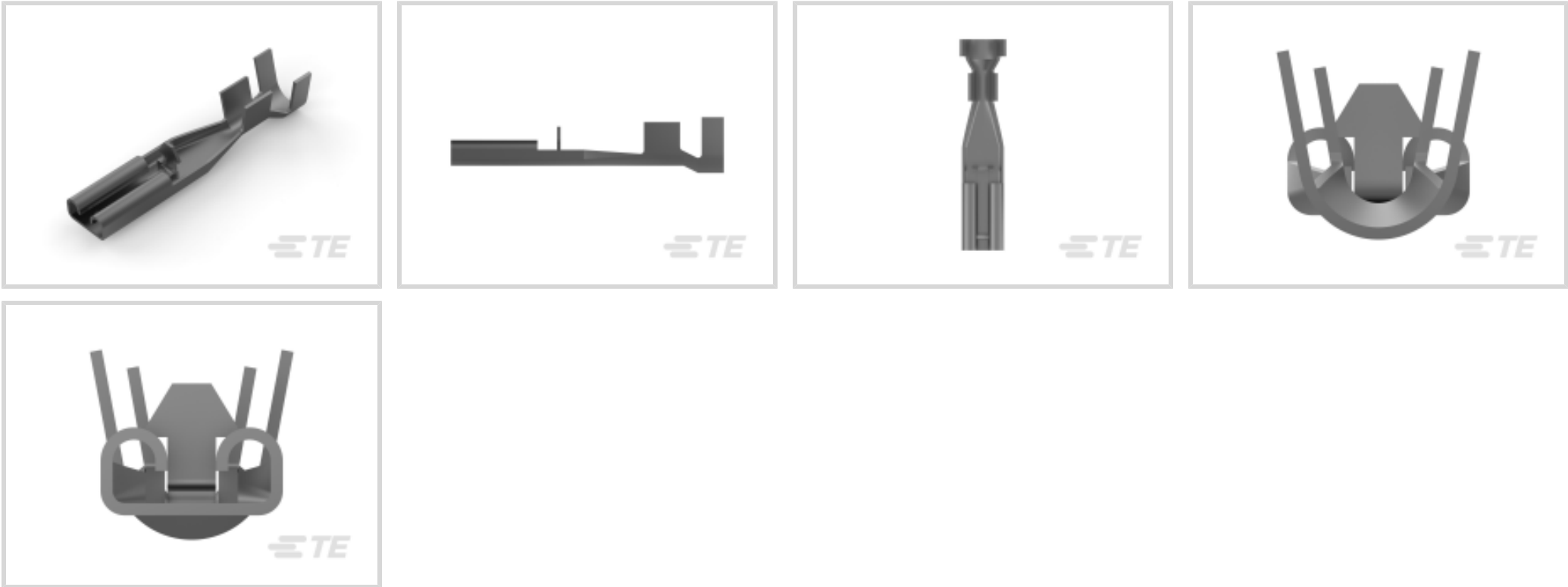
Positive Lock | Positive Lock 110

TE Internal #: 174777-1

Positive Lock 110, Quick Disconnects, Receptacle, 20 – 16 AWG
Wire Size, .51 – 1.31 mm² Wire Size, Mating Tab Width .11 in [2.8 mm], Straight, Brass

[View on TE.com >](#)

Terminals & Splices > Quick Disconnects



Quick Disconnect Terminal Type: **Receptacle**

Wire Size: **.51 – 1.31 mm²**

Mating Tab Width: **2.8 mm [.11 in]**

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

Features

Product Type Features

Terminates To	Wire & Cable
Wire/Cable Type	Regular Wire
Wire Stop	No
Insertion Force	Low
Sealable	No

Configuration Features

Connection Capacity	Single
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Contact Features

Quick Disconnect Terminal Type	Receptacle
Mating Tab Width	2.8 mm[.11 in]
Mating Tab Thickness	.51 mm[.02 in]
Terminal Orientation	Straight
Contact Base Material	Brass
Terminal Plating Material	Pre-Tin
Crimp Type	F-Crimp



Barrel Type	Open
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Mechanical Attachment

Mating Retention Type	Dimple
Extraction Force	7 – 100 Newton
Wire Insulation Support	With

Dimensions

Accepts Wire Insulation Diameter Range	2.1 – 3.3 mm[.082 – .13 in]
Receptacle Terminal Stock Thickness	.25 mm[.01 in]
Overall Length	17.2 mm[.68 in]
Wire Size	.51 – 1.31 mm²

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	8000
Packaging Method	Strip/Reel

Other

Comment	Air-feed Applicator should be used.
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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 2022 (223) Candidate List Declared Against: JAN 2022 (223) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free



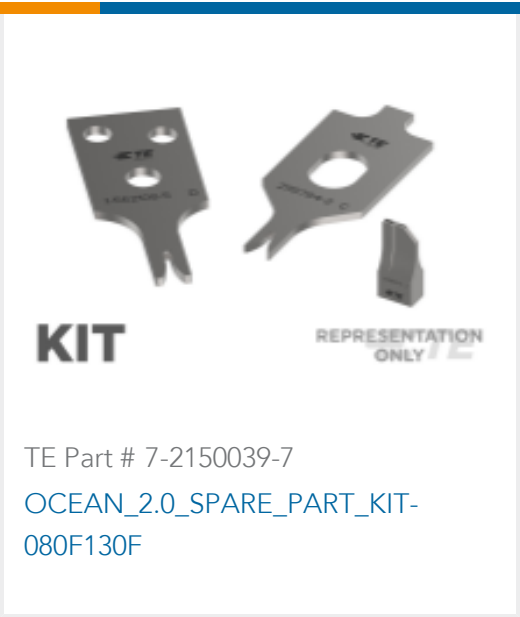
Solder Process Capability

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

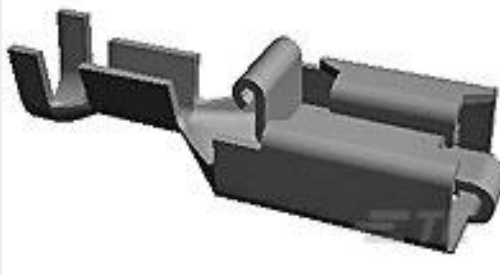
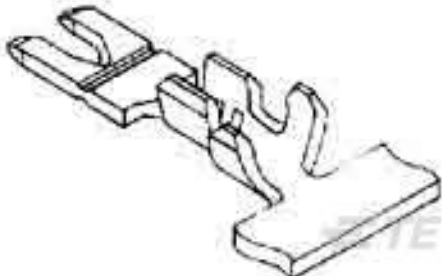
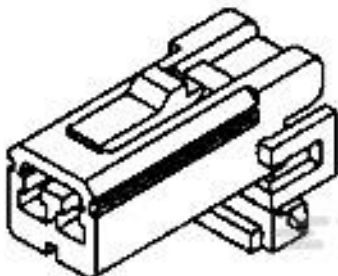
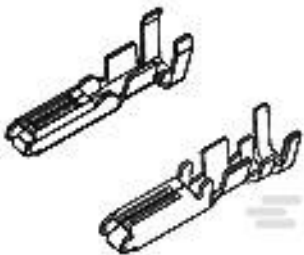
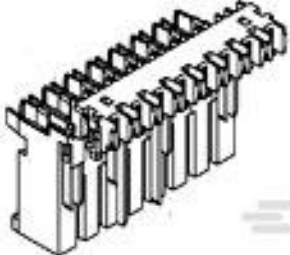
 TE Part # 174779-1 PL 110 HOUSING RECEPTACLE	 TE Part # 2232942-1 110 POS-LK MARK III NAT	 TE Part # 2255152-1 CCII 110 POS LOCK 24-16 ASSY	 TE Part # 2-2150039-2 OCEAN_2.0_Applicator-E-080F130F
 TE Part # 2150039-2 OCEAN_2.0_Applicator-E-080F130F	 TE Part # 7-2150039-2 OCEAN_2.0_Applicator-E-080F130F	 TE Part # 7-2150039-7 OCEAN_2.0_SPARE_PART_KIT-080F130F	

Also in the Series | Positive Lock 110

 Crimp Terminal Housings(12)	 Insertion & Extraction Tools(1)	 Quick Disconnects(8)
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Customers Also Bought



 TE Part #1-480349-0 01P CMNL PLUG HSG F/H NATL	 TE Part #163301-6 MATENLOK PIN	 TE Part #6-160448-2 FF 250 REC 1.0-2.5MM2 TPPB	 TE Part #160759-3 250 PL MKI REC. 20-15AWG TPBR
 TE Part #881257-3 MAG-MATE TERMINAL	 TE Part #964280-2 JPT A REC 2.8 Contact SRC Sn	 TE Part #776127-2 2POS .070 MULTILOCK PLUG RIGHT	 TE Part #776129-2 .070 MULTILOCK RECEPTACLE
 TE Part #1-282002-1 AMP MONO-SHAPE TAB CONN 2P.	 TE Part #1217486-1 FLUORESCENT TUBE SOCKET TERMINAL		

Documents

Product Drawings

PL 110 REC 20-16 AWG 0.25 X 10.4 PTBR

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_174777-1_M.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_174777-1_M.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_174777-1_M.3d_stp.zip

English

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Datasheets & Catalog Pages



Positive Lock Receptacles

English

POS_LOCK_MIL_QRG

English

Product Specifications

Application Specification

English

Crimping 110 Series, Positive Lock Contact

English

Product Environmental Compliance

MD_174777-1_081120161045_dmtec

English

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