



Positive Lock | Positive Lock 110

TE Internal #: 174777-1

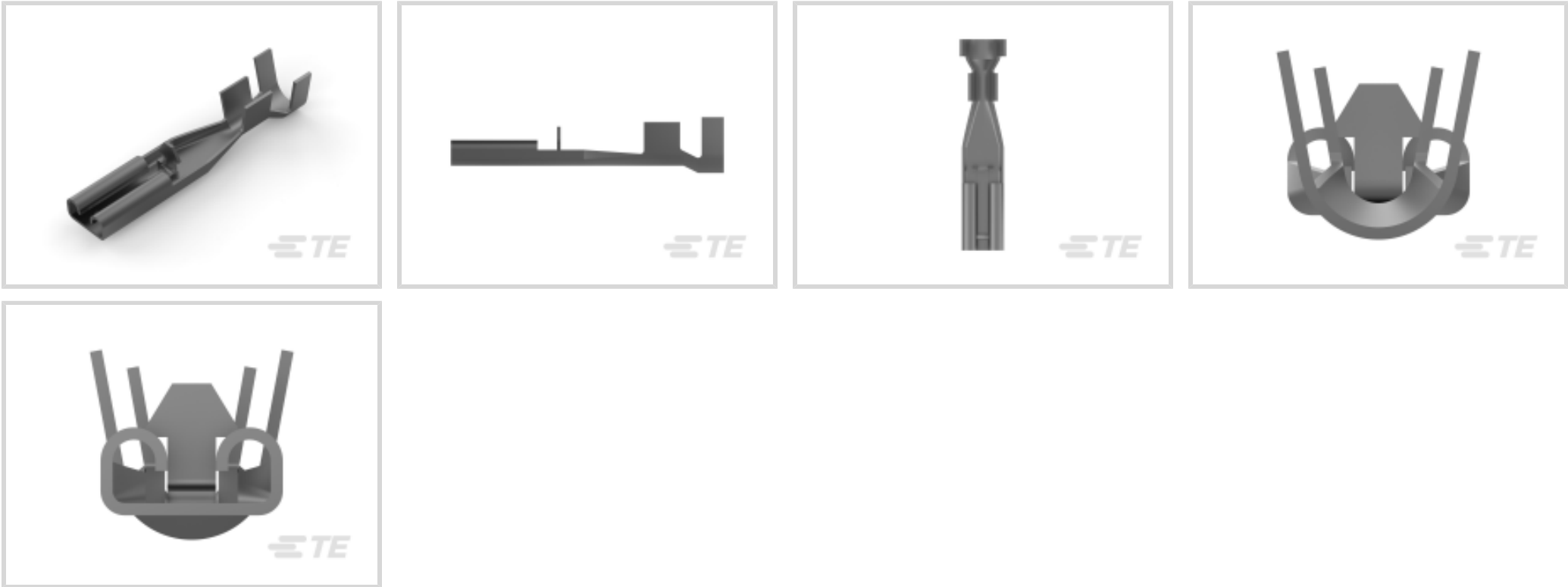
Positive Lock 110, Quick Disconnects, Receptacle, 20 – 16AWG

Wire Size, .51 – 1.31mm² Wire Size, Quick Disconnect Mating Tab

Width 2.8 mm [.11 in]

[View on TE.com >](#)

Terminals & Splices > Quick Disconnects



Terminal & Splice Type: **Receptacle**

Wire Size: **.51 – 1.31 mm²**

Quick Disconnect Mating Tab Width: **2.8 mm [.11 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	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 – 3.3 mm[.082 – .13 in]
Overall Length	17.2 mm[.68 in]
Receptacle Terminal Stock Thickness	.25 mm[.01 in]
Wire Size	.51 – 1.31 mm²
Quick Disconnect Mating Tab Width	2.8 mm[.11 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	8000
Quick Disconnect 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 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 # 2232942-1
110 POS-LK MARK III NAT

TE Part # 174779-1
PL 110 HOUSING RECEPTACLE

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)

Customers Also Bought



TE Part #1375820-3
Receptacle Housing: 2.54mm, 1 Row, CST-100 II



TE Part #160927-4
FF 250 REC 1.0-2.5MM2 TPPB



TE Part #163301-6
MATENLOK PIN



TE Part #1375819-1
CST-100 II CONTACT TIN PLT



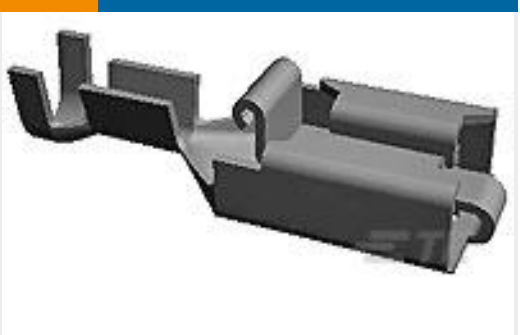
TE Part #1452203-1
GET .64 CONNECTOR SYSTEM, CONNECTOR HSG



TE Part #968136-2
MOS, RECEPTACLE AND TAB



TE Part #1718758-3
MCON, RECEPTACLE AND TAB



TE Part #160759-3
250 PL MKI REC. 20-15AWG TPBR



TE Part #1544964-1
8MM NG1+ TERMINAL



TE Part #1583690-5
CRIMPER, INSULATION O (.125")

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_MII_QRG](#)

English

Product Specifications

Application Specification

English

[Crimping 110 Series, Positive Lock Contact](#)

English

Product Environmental Compliance

[MD_174777-1_081120161045_dmtec](#)

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