

174777-1 ✓ ACTIVE

[Positive Lock](#) | [Positive Lock 110](#)

TE Internal #: 174777-1

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

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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

Insertion Force	Low
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Configuration Features

Connection Capacity	Single
Compatible With Wire & Cable Type	Discrete Wire

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

Termination Features

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Product Terminates To	Wire & Cable
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Mechanical Attachment

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

Terminal Material Thickness	.25 mm[.01 in]
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Product Length	17.2 mm[.68 in]
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Compatible Insulation Diameter Range	2.1 – 3.3 mm[.082 – .13 in]
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Wire Size	.51 – 1.31 mm ²
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Usage Conditions

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

Agency/Standard	UL
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Packaging Features

Packaging Quantity	8000
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Packaging Method	Strip/Reel
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Other

Terminals & Splices 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
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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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 # 2150039-2
OCEAN_2.0_Applicator-E-080F130F



TE Part # 7-2150039-2
OCEAN_2.0_Applicator-E-080F130F




KIT
TE Part # 7-2150039-7
OCEAN_2.0_SPARE_PART_KIT-080F130F




TE Part # 2-2150039-2
OCEAN_2.0_Applicator-E-080F130F

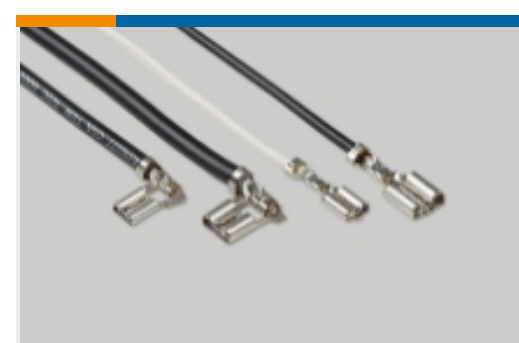
Also in the Series | Positive Lock 110



Crimp Terminal Housings(12)

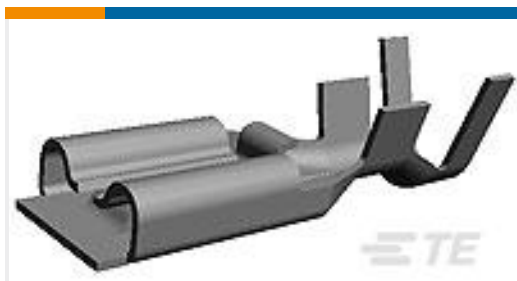


Insertion & Extraction Tools(1)



Quick Disconnects(8)

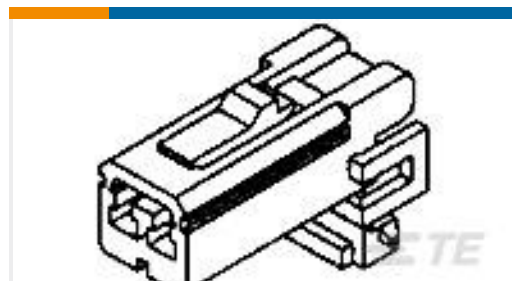
Customers Also Bought



TE Part #173724-1
187 PL EX REC. 20-14AWG PTBR



TE Part #927774-3
TIMER, RECEPTACLE AND TAB



TE Part #776127-2
2POS .070 MULTILOCK PLUG RIGHT



TE Part #1-966658-1
32pos MQS .63 header 180deg



TE Part #2209545-1
94P, MQS CB, REC HSG, ASSY, SEALED



TE Part #1814890-1
2 WAY RECEPTACLE HSG. FASTI



TE Part #2370907-1
PROTECTION CAP/CVR, 26P
LEAVYSEAL CONN.



TE Part #293212-1
FF 250 REC 0.8-2.5MM2 TPPB



TE Part #2348041-1

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

[MD_174777-1_081120161045_dmtec](#)

English