



Positive Lock | Positive Lock 250

TE Internal #: 175178-1

Quick Disconnect Receptacle, Uninsulated, 12 – 10 AWG, 3.31 – 5.26 mm² Wire, 6.35 mm [.25 in] Tab Width, Tab-Lok, Flag, Brass, Positive Lock 250

[View on TE.com >](#)

Terminals & Splices > Quick Disconnects



Quick Disconnect Terminal Type: **Receptacle**

Wire Size: **3.31 – 5.26 mm²**

Mating Tab Width: **6.35 mm [.25 in]**

Mating Tab Thickness: **.81 mm [.032 in]**

Features

Product Type Features

Insertion Force	Low
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Configuration Features

Compatible With Wire & Cable Type	Discrete Wire
Connection Capacity	Single

Contact Features

Quick Disconnect Terminal Type	Receptacle
Mating Tab Width	6.35 mm[.25 in]
Mating Tab Thickness	.81 mm[.032 in]
Terminal Orientation	Flag
Contact Base Material	Brass
Terminal Plating Material	Pre-Tin
Crimp Type	Tab-Lok
Barrel Type	Open

Termination Features

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Product Terminates To	Wire & Cable
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Mechanical Attachment

Wire Insulation Support	With
Extraction Force	.7 – 10.2 kgf

Dimensions

Product Length	20.8 mm[.82 in]
Compatible Insulation Diameter Range	2.8 – 4.9 mm[.11 – .193 in]
Terminal Material Thickness	.41 mm[.016 in]
Wire Size	3.31 – 5.26 mm²

Usage Conditions

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

Industry Standards

Compatible With Agency/Standards Products	UL
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Packaging Features

Packaging Quantity	2000
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: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 # 1-176497-7
PL EX SLEEVE 250 FLAG RED 6/6 NYLON



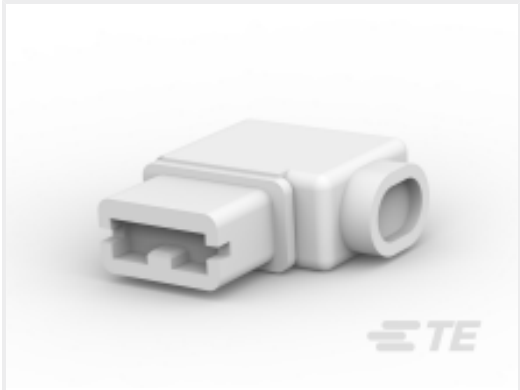
TE Part # 1-176497-1
250 HSG. PL EX FLAG REC. NAT NYLON



TE Part # 2232343-2
250 PL EX FLAG REC. 18-12AWG PTBR FLAT



TE Part # 2232343-1
250 PL EX FLAG REC. 18-12AWG PTBR FLAT



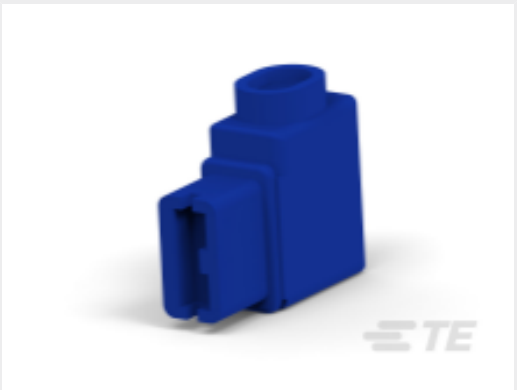
TE Part # 176497-1
POSITIVE LOCK .250 Hsg (6.3 MM) V2



TE Part # 1-176497-9
PL EX SLEEVE 250 FLAG BLACK 6/6 NYLON

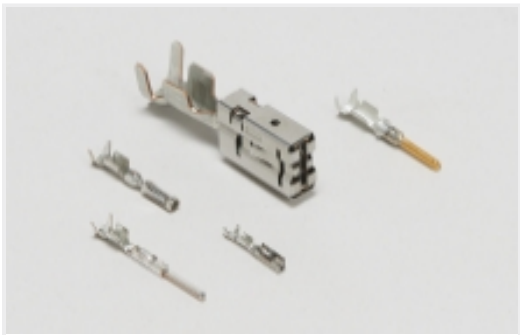


TE Part # 1855688-1
HDM-FA-EA-HB-LM & BENCH G-CUT

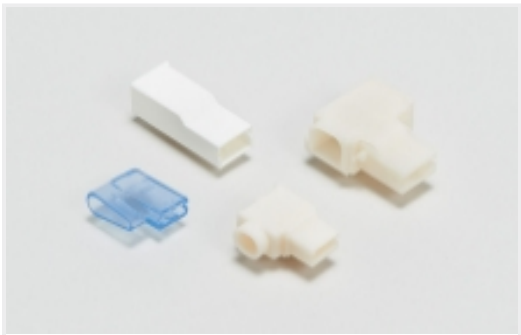


TE Part # 1-176497-6
PL EX 250 REC HSG 1P NYLON BLUE

Also in the Series | Positive Lock 250



Automotive Terminals(1)



Crimp Terminal Housings(176)



Insertion & Extraction Tools(3)



Insulation Boots & Sleeves(5)



Quick Disconnects(171)

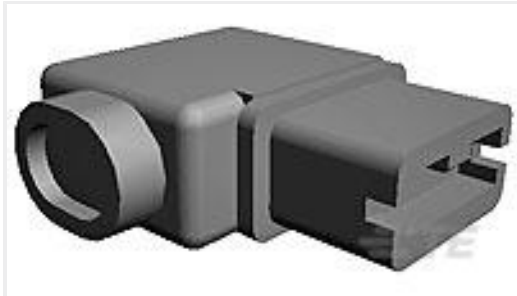
Customers Also Bought



TE Part #170213-1
250 FASTON,REC.,18-14 AWG,BR



TE Part #176271-4
AMP UNIVERSAL POWER PLUG 2P



TE Part #1-176497-1
250 HSG. PL EX FLAG REC. NAT



TE Part #640385-8
08P MTA156 HDR ASSY SQ R/A



TE Part #1217281-3
FF 110 REC 24-20AWG BR



TE Part #1565088-1
GRACE INERTIA CONNECTOR 3.5 6P



TE Part #1747050-1
GRACE INERTIA CONNECTOR 7.92 2POS PLUG H



TE Part #1747066-3
GRACE INERTIA CONN 2.5 PLUG HSG 3P NATUR



TE Part #1747591-1
GRACE INERTIA CONN 2.5 REC CONTACT



TE Part #5172070-1
DRAWER CONN. FEMALE HSG ASSY 8

Documents

Product Drawings

PL EX 250 REC TERMINAL-FLAG 12-10 PTPB

Japanese

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_175178-1_L_c-175178-1-l.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_175178-1_L_c-175178-1-l.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_175178-1_L_c-175178-1-l.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

Instruction Sheets

[Instruction Sheet \(non U.S.\)](#)

English

[POSITIVE LOCK EX CONTACT](#)

English

Agency Approvals

[UL Report](#)

English